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COMPETITION POWER

Your Guide to Government Jobs & All other Competitive Exams

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What's There

G.K. Hindu Review: April
Current Affairs Zinger March

HANDY NOTES :

- Mixture Alligation
- Indian Polity: President of India
- Prepositions
- Blood Relation
- ATM
- Computer Terminologies
- GK Tricky Notes
- Twisted Ones

How to Crack SBI Prelims ?

PRACTICE SETS:

- SSC CGL 2016
- SBI CLERK PRELIMS
- SBI CLERK MAINS
- BANKING (IBPS/SBI) PO



Newsmakers

- ⇒ The 3 Nation Visit of Modi Ji
- ⇒ And the 63rd National Awards goes to...
- ⇒ First Bi-monthly Monetary Policy Statement, 2016-17
- ⇒ The winner of 2016 Sultan Azlan Shah Cup is Australia
- ⇒ The T-20 World Cup 2016 winners are the WEST INDIES

Content Partners



From the Editor's Desk

Dear Readers,

Bankers Adda in collaboration with Career Power brings to you **Competition Power(June Edition)** . The reason why this collaboration is so important and a landmark event as both BA and Career Power has had a long and extremely successful association with students appearing for competitive exams.

This magazine includes various initiatives that cover various aspects of Banking and SSC exams in an exhaustive manner.

Keeping in mind the upcoming exams, we have covered Current Affairs for not only the month of **April** but also for the month of **March** under the name "**Current Affairs Zinger**". To make learning easy for the students we have also introduced another initiative by the name "**NEWS MAKER OF THE MONTH**" which covers all the important people, appointments, awards, etc that have made news.

Having covered the GK and CA portion in an exhaustive manner, we have also given equal importance and focus to all the other aspects of the exams, be it Covering each aspect of the various subjects(like reasoning, english, quant, computers) right from building the student's concepts to helping him practice a few topics.or be it Interview Preparation or Guidance and boosting the confidence of students. We Have It All Covered!!!

Along with this we have also included **Mock Papers on SBI Clerk Prelims Practice Set, IBPS PO/SBI PO Mains Practice Set and SSC CGL Practice Set following the respective exam pattern** for practice for our readers, so that they can increase their speed and accuracy. This edition of Magazine also includes a new series named "**Twisted Ones**"which will have questions with higher difficulty level.

Basically this magazine is a one stop place for all those preparing for government sector competitive exams. Within few months of its launch, it has become quite popular among the students, who love to refer to it for their exams.

We believe that each and every student has the hidden potential to reach the unattainable heights, and it is our responsibility to provide them with a platform that hones their skills enabling them to overcome each and every challenge that comes their way while appearing for these exams.

Having said this I would like to give special thanks to the specialized mentors of Bankers Adda and Career Power team for providing us with the needed support and making this magazine a success.

Good Luck And God Bless

Team Competition Power !!

- **Motivational Articles | 4, 51**
- **Success Story | 8**
- **GK Hindu Review : April | 52**
- **Current Affairs Zinger | 62**
- **Handy Notes :**
 - **Mixture Alligation | 40**
 - **Indian Polity: President of India | 42**
 - **Prepositions | 45**
 - **Blood Relation | 46**
 - **ATM | 48**
 - **Computer Terminologies | 49**
- **GK Trickky Notes | 61**
- **Twisted Ones | 70-76**
- **Practice Sets | 50, 77**
- **How to Crack SBI Prelims ? | 94**

WHAT'S THERE?**NEWSMAKERS OF THE MONTH | 5-7****CURRENT AFFAIRS | 9-39**

India In News | State In News | News From The Banking Sector News
Related To Indian Economy | Business News | Agreement | Mou Signed
| Committees In News |

Ranks And Reports | Pm Visits | New Appointments | Obituaries |
Awards | Defence | Sports News & more

MOCK PAPERS | 78-138

SSC CGL-2016 Practice Set | SBI Clerk Prelims Practice Set

SBI Clerk Mains Practice Set

Banking (IBPS/SBI) - PO Practice Set

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Motivational : It's My Turn Now.....

Hello Friends,

The month of April was full of results and I am sure many of your lives have changed after the magical date, 1st April. I called it magical as it has transformed many lives from Unemployed to Employed. Let it be Clerical, PO, AAO or any result, certainly many families have got the opportunity to celebrate the day.



The Only Person You Need To Be Better Than Is The Person You Were Yesterday

But on the other hand, we forget that a huge number of aspirants are still out there with opportunity missed. It's a bitter truth and one has to accept it that the number of selected ones are quite less than those who missed it. We are talking about a competition where one is sacrificing an year and still couldn't make it to the final. But we are so much busy with other problems that we forget that we have almost wasted an year with no result in the mean time. Friends, its good to be optimistic but it is also true that one should face the reality as well. Don't you want to be happy? Don't you want to enjoy the luxuries? Do you want to continue like this only? The world is too selfish and the opportunity will never wait. Everyone has to step up and grab it. Or you will disappear like pin in a haystack. But if you want the world to recognize you, then you need to do it differently. You need to identify the loopholes and will have to change as the time demands.

**If The Plan Doesn't Work
Change The Plan
Never The Goal**

What we require is a source of inspiration. We keep looking for it outside but we forget to search it within. I am sure everyone of us at some point of time did something that have transformed our lives too. Let it be at any age, since birth you must have done something that has changed your life. But we are so busy searching for it in the outside world that we neglected ourselves only. A baby who takes the first step keep trying until he/she learns walking on his own. Everyone has to deal with their share of hurdles and you are the only one who can figure it out. Recently in the movie Jungle Book, we saw Mogli using some techniques to simplify the work. But Bagira kept reminding him that this is not the way animals used to live. But when needed, Bagira himself asked him to adopt the way to kill Sherkhan. So friends, when the time demand, you need to adopt a way to get yourself through.

Donot Give Up, The Beginning Is Always The Hardest

The nearest target that we can see is the SBI Junior Associate and the Preliminary exam is just few weeks away. And the wounded ones should not forget the pain they went through during the whole span of preparation. You cannot leave these things on luck as it will decide the future course of your life. Either you are going to get a settled life or again want bear the pain of struggle.

So don't let this opportunity get slipped away.



NEWS MAKERS OF THE MONTH – APRIL 2016

The 3 Nation Visit of Modi Ji

Our Prime Minister Narendra Modi was on a visit to Belgium (30th March), USA (31st March to 1st April) and Saudi Arabia (2nd April to 3rd April). The trip becomes more important because of 13th India-EU Summit with the E.U. leadership and 4th Nuclear Security Summit.



1. Visit To Belgium

On his first day of the tours, Prime Minister Narendra Modi had visited Brussels, Belgium to meet with the Belgium Prime Minister Mr. Charles Michel and also to attend 13th India-EU Summit with the E.U. leadership. The title given to this summit was EU-India Summit: A new momentum for the EU-India Strategic Partnership. The summit took place in Brussels.

PM also notified that within the E.U., Belgium is India's 2nd largest trading partner. PM Modi met with PM of Belgium aims to expand trade, investment and high technology partnership.

During visit of the nation PM Narendra Modi along with Belgium Prime Minister Charles Michel had also activated the India-Belgium ARIES (Aryabhata Research Institute for Observational Sciences) Telescope by remote. This telescope is the Asia's biggest telescope and made with the assistance of Belgium.

Apart from Indo-EU summit and meetings, PM also interacted with the Board Members of the Association of Diamond Traders in Belgium and addressed/interact in a community programme with the Indian community.

2. Visit To USA

After Belgium PM Narendra Modi had visited the USA on 31st March, where he participated in the 4th Nuclear Security Summit in which several nations and global organizations were presents. The Nuclear Security Summit 2016 took place in Washington DC on April 1st, 2016.

In the Summit world leaders underline the importance of the Convention on Physical Protection of Nuclear Material and the International Convention on the Suppression of Acts of Nuclear Terrorism and will continue to work toward their universalization and full implementation. It also reaffirm the commitment to our shared goals of nuclear disarmament, nuclear non-proliferation and peaceful use of nuclear energy.

India will join trilateral initiative of Nuclear Security Submit chairs circulated at IAEA by subscribing states as the joint statement on strengthening nuclear security implementation and will also join three gift baskets for this summit in priority areas of counter nuclear smuggling, nuclear security contact group in Vienna, sharing of best practices through Centres of Excellence such as India's own.

On the sidelines of the Nuclear Security Summit, PM Modi also met with several world leaders to carry forward the agenda of bilateral cooperation with those Nations. and also taken forward his interaction with the scientists associated with LIGO project.

3. Visit To Saudi Arabia

After USA visit PM Modi had visited Saudi Arabia as a part of his 3 nation visit. He visited Saudi from 2nd April to 3rd April as he got the invitation from H.M.King Salman Bin Abdulaziz Al Saud.

So PM Modi had arrived in Riyadh on 2nd April to the oil-rich Saudi kingdom as both countries are set to firm up a raft of pacts to bolster their strategic partnership besides exploring ways to enhance security and counter-terror cooperation and combating threat of terrorism and radicalization were the agenda of the talks between Mr. Modi and the leadership of Saudi Arabia. He is the fourth Indian Prime Minister to visit Saudi Arabia after Dr. Singh in 2010, Indira Gandhi in 1982 and Jawaharlal Nehru in 1956.

There PM Modi met and held wide ranging talks with HM King Salman bin Abdulaziz Al Saud. PM Modi presents King Salman bin Abdulaziz Al Saud a gold-plated replica of the Cheraman Juma Masjid in Kerala. Cheraman Juma Masjid is symbol of active trade relations between India and Saudi Arabia since ancient times.

In Saudi Arabia PM Modi had visited Masmak Fortress, 'L&T Workers' Residential Complex and TCS All Women IT & ITES Center in Riyadh, which had trained over 1,000 Saudi women. and pitched the more focus on expanding the economic ties as Saudi Arabia is India's 4th largest trading partner and is also India's largest crude oil supplier. Saudi Arabia also planed to invest \$1 trillion in infrastructure development projects over the next 5 years.

The two leaders agreed to transform the buyer-seller relationship in the energy-sector and also agreed to focus on areas of training and human resources development and cooperation in research and development in the energy sector. Both the leaders also emphasized on furthering bilateral strategic engagement in the areas of security and defence co-operation. Also both the nations agreed to enhance cooperation to strengthen maritime security in the Gulf and the Indian Ocean regions.

PM Narendra Modi was conferred Saudi Arabia's highest civilian honour- the king Abdulaziz Sash. The Prime Minister was conferred the prestigious award by King Salman bin Abdulaziz at the Royal Court. The award is named after Abdulaziz Al Saud, the founder of the modern Saudi state.

The winner of 2016 Sultan Azlan Shah Cup is Australia

Australia has won the 25th edition of Sultan Azlan Shah Cup by defeating India in the final held in Ipoh, Malaysia. Australia notched up a thumping 4-0 victory over India. This was the 9th title for Australia at this tournament. The country has last won it in the year 2014.



Apart from Australia, India has last won this tournament in the year 2010. That was the fifth title of India in which India was jointly declared winners with South Korea.

The New Zealand team who was the winner of 2015 Sultan Azlan Shah Cup has acquired the third place in the 25th edition of the tournament.

The Sultan Azlan Shah Cup is an annual international men's field hockey tournament held in Malaysia. It has began in 1983 as a biennial contest.

First Bi-monthly Monetary Policy Statement, 2016-17

Reserve Bank of India (RBI) cuts the Repo rate under the liquidity



adjustment facility (LAF) by 25 basis points to 6.5% in its first bi-monthly monetary policy review for the 2016-17 fiscal and kept the Cash Reserve Rate

(CRR) unchanged.

Repo Rate is the rate at which banks borrow from the central bank. One basis point is one hundredth of a percentage point. The repo rate now stands at 6.5%, the lowest it has been since March 2011. With this, Home, auto and other loans are set to become cheaper.

However, the RBI cut the reverse repo, or the rate at which banks park excess funds with the central bank, to 6%, narrowing the policy corridor between the repo and reverse repo by 50 bps, bringing the marginal standing facility (MSF) rate to 7.0%. But the CRR has been kept unchanged at 4.0 per cent of net demand and time liabilities (NDTL).

The RBI also introduced number of measures to smooth-en liquidity supply so that banks can lend to the productive sectors. The policy said the average overnight borrowings by banks have increased to Rs 1,935 billion in March from Rs 1,345 billion in January.

Stating the inflation objectives to be closer to reality and price-rise will hover around the 5 per cent mark during current fiscal, Rajan reaffirmed that the monetary policy will continue to remain accommodative to address the growth concerns.

The RBI, though projected GDP growth to at about 7.6% for FY 2017, citing both upsides from a good monsoon, higher consumer demand from the 7th Pay Commission and OROP for ex-servicemen and downsides from sluggish investment.

R G Rajan welcomed the government move to amend the RBI Act to create a monetary policy committee, saying it will further

strengthen the policy's credibility. He also welcomed the government's adherence to the path of fiscal consolidation, calling it as a commendable commitment this will support the disinflation process going forward.

To sum up:

- Repo Rate cut by : 0.25 % to 6.50 %
- Reverse repo hiked by : 0.25% to 6%
- Cash reserve ratio or CRR unchanged : 4%
- Cut daily minimum CRR ratio to 90 per cent from 95 per cent.
- MSF rate cut by 0.75% to 7 % lower banks' borrowing cost
- Pegs 2016-17 growth forecast at 7.6%
- Expects inflation at around 5%
- SLR : 21.25 %

And the 63rd National Awards goes to...

Bollywood won big at the 63rd National Awards with Amitabh Bachchan and Kangana Ranaut scooping up Best Actor and Best



Actress awards for Piku and Tanu Weds Manu Returns respectively.

SS Rajamouli's magnum opus Baahubali emerged as the Best Film and

Sanjay Leela Bhansali won in the best director category for his period drama, Bajirao Mastani.

This is 4th National Amitabh Bachchan who had earlier won for Agneepath, Paa and Black. For Kangana, this comes as the second consecutive win. She was adjudged the Best Actress last year for Vikas Bahl's Queen, which also emerged as the Best Film.

List of winners:

- ✚ **Best Film:** Baahubali - The Beginning
- ✚ **Best Director:** Sanjay Leela Bhansali for 'Bajirao Mastani'
- ✚ **Best Actor:** Amitabh Bachchan for 'Piku'
- ✚ **Best Actress:** Kangana Ranaut for 'Tanu Weds Manu Returns'
- ✚ **Indira Gandhi Award for Best Debut Film Of A Director:** Neeraj Ghaywan, Masaan
- ✚ **Best Popular Film Providing Wholesome Entertainment:** Bajrangi Bhaijaan
- ✚ **Best Choreography:** Remo D'Souza, Deewani Mastani song in Bajirao Mastani
- ✚ **Best Malayalam Film:** Pathemari, Artistically narrated saga of 2 generations of Malayali workers who migrated to gulf for livelihood
- ✚ **Best Tamil Film:** Visaaranai
- ✚ **Best Sanskrit Film:** Priyamanasam

National Film Awards:

The National Film Awards is the most prominent film award ceremonies in India. Established in 1954, it has been administered, along with the International Film Festival of India and the Indian Panorama, by the Indian government's Directorate of Film Festivals since 1973.

Note: Ramesh Sippy chaired the 11-member jury for the selection of movies in 2016. While the nominees had a strong presence of regional movies, Bollywood emerged as a clear winner this year.

The T-20 World Cup 2016 winners are the WEST INDIES

West Indies won Women's title of ICC World T20 2016



West Indies Women's won their maiden Women's Cricket World T-20 title. In the final clash at Eden Gardens, Kolkata, West Indies defeated

reigning champions Australia by 8 wickets.

Key Awardees

- Player of the match - Hayley Matthews (West Indies Women)
- Player of the series - Stafanie Taylor (West Indies Women)

West Indies defeated England to win ICC World T20 Men's title

West Indies won the ICC Cricket World T-20 Men's Cup 2016. In the final clash at Eden Gardens, Kolkata, West Indies defeated England by 4 wickets.

Key Awardees:

- Player of the match – Marlon Samuels (West Indies)
- Player of the series – Virat Kohli (India)

With this win, West Indies became the only team so far to win the ICC World Twenty20 title twice, having secured it last in 2012.

Note: This was the 6th edition of the ICC World Twenty20. It was held in India from 8 March to 3 April 2016 and was the first edition to be hosted by the country. There were sixteen participating teams, ten qualifying automatically through their status as full members of the International Cricket Council (ICC), and another six qualifying through the 2016 World Twenty20 Qualifier.

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CAREER POWER STUDENT SUCCESS STORY : Not only Determination but also Good Guidance...

Jeevan Chaitanya Kunathi

Age : 21yrs

Andhra Pradesh (Vizianagaram district)

PO - United Bank of India

Hi!! This is Jeevan Chaitanya, recently got selected as PO for United Bank Of India through IBPS CWE-5. Actually this was the first bank exam that I have applied for and was very happy that I've got placed. I am a graduate (B.Tech) in EEE relieved in 2015. . My father is working as a conductor in APSRTC. His job was a very pressurized one with all mental tensions. Seeing him in that state I always aspired to secure good job so that he will be somewhat



relaxed. Many companies came to our college for placements. Most of them are of software and I am not all interested in software field. I rejected 2 software jobs. But my father didn't ask for a reason as he knew that I am not interested in them.

Now and then he used to say that his friend gave him sweet as his child got job which made me somewhat feel sad. I want to tell one thing, never ever in my life my parents forced me to do anything. They left everything for my own decision. Due to age eligibility criteria I didn't apply for SBI PO but I have applied for SSC CGL within one month of my relieving. I thought to give it a try by preparing on my own but I couldn't managed to clear while I got 85 whereas the cut off was 89. Then I realized that I need guidance and so I have joined CAREER POWER for a course of 2 months (Fast track batch). There I have seen the real world which is very different from that of B.Tech life. Even though it was only 2 months completed after relieving from college I have come to know the meaning of unemployment when I came to Hyderabad and seeing people struggling to get jobs and that made me stand stiff on my aim of getting job anyway.

Everyone there in the institute used to have discussions over current affairs or banking news etc.... I am the only odd one out. Being a B.Tech student I was not aware of all these. I was very afraid thinking how I can manage GA which is all time hate story for me. The faculty over there are quite active and taught in interesting manner so that I have managed to inculcate the habit of going through daily current affairs. Two

things that I won't forget in life, actually gave me life by helping me clearing this exam, one is Career power institute and the other is my friend Sailesh...

Every day we used to start preparation from morning 10 and at least we used to refer 2 subjects per day until evening 7. Then we used to take online test from the package given by Career power. After the test we used to discuss the section where we got less or negative marks. The very next day we used to prepare those topics and take a test. I was very thankful that both, my sir and Sailesh didn't feel irritated and helped me in every step of my preparation. Let it be 1am or 3am I used to send my doubts to them and whenever they see them they immediately sent solutions. For General awareness and current affairs I didn't go out of BA Capsule. While attempting exam I gave much preference to accuracy rather than quantity. I attempted only 11 in computers in mains exam and for my luck the cutoff was 11 in computers.

I've followed the only advice that if we are good in any topic then try to become better and best in that topic rather than touching all the topics. I got 84.5 in IBPS PO-5 MAINS. Scaling these marks to 80 I got 33.8, so I need to get at least 70 in my interview out of 100 for having fair chances of getting selected. I was very fortunate that my interview went very well and the panel members assured me that result will be good. Finally the wait was over as April 1st was approached.

I was very confident that everything will be fine. Due to some circumstances I could not able to see my result. Again it was Sailesh who congratulated me seeing my result. I got exactly 70 in interview that's how I managed to get job. And the very happy part is that he too got placed in Bank of India as clerk. When I informed my father about my result his happiness was depicted in his slow and relaxing voice saying that that your hard work payed. I was very happy to share my story here and will be grateful to everyone who supported me all the way here.....



CURRENT AFFAIRS : APRIL 2016

INDIA IN NEWS

Rs 842 Crore Approved for Karnataka, Puducherry, Arunachal Pradesh

The Government of India approved assistance of Rs 842.7 crore for Karnataka, Puducherry and Arunachal Pradesh, which have been affected by drought or floods. The decision to provide assistance was taken by the committee headed by Home Minister Rajnath Singh.

PM To Launch Rs. 8,000 crore Scheme For Free LPG Connections To Poor

Prime Minister Narendra Modi on May 1 will launch Rs. 8,000 crore scheme to provide 5 crore free LPG connections to Below Poverty Line (BPL) families using the money saved from 1.13 crore cooking gas users voluntarily giving up their subsidies. The scheme is called Pradhan Mantri Ujjwala Yojana.

Department of Disinvestment is Now 'Dipam': Notification Issued

The Department of Disinvestment comes under Finance ministry has been renamed as Department of Investment and Public Asset Management 'Dipam', a decision aimed at proper management of Center's investments in equity.

Government's Twitter Seva To Address Grievances Of Startups



A special Twitter cell by the Narendra Modi government manned by a set of dedicated officers of the Commerce and Industry Ministry was launched. It

will respond to queries from start-ups, exporters and importer, and other stakeholders within 48 and 72 working hours.

Dr. Mahesh Sharma Unveils Gold Finial at Humayun Tomb

Dr. Mahesh Sharma, Minister of State for Culture and Tourism (I/C) and Civil Aviation unveiled the restored 18 feet tall Finial at Humayun's Tomb, New Delhi as part of the ongoing conservation effort.

Government renames Rajiv Gandhi Khel Abhiyan as 'Khelo India'

The government of India has merged 'Rajiv Gandhi Khel Abhiyan Yojana', 'Urban Sports Infrastructure Scheme (USIS)' and

'National Sports Talent Search Scheme (NSTSS)' with 'Khelo India'. The decision has been taken to create competitive environment. The government in centre has allocated Rs 140 crore for the financial year 2016-17 for Khelo India.

PM Modi inaugurates Super Speciality hospital in Katra, J&K

Prime Minister Narendra Modi, in a major push to medical and health sector inaugurated a 230 bedded super specialty hospital at Kakriyal near Katra. It is named as Shri Mata Vaishno Devi Narayana Super Specialty Hospital.

Maneka launches Beti Bachao, Beti Padhao scheme in 61 more districts

On completion of the first year of Beti Bachao Scheme, this scheme is being expanded in additional 61 districts across 11 States/UTs with low Child Sex Ratio. The WCD Minister Smt. Maneka Sanjay Gandhi launched the Beti Bachao, Beti Padhao scheme in additional 61 districts.

Drones to inspect progress of mega rail projects

Indian Railway for the first time used an unmanned air vehicles or drones to inspect the ongoing work on the Dedicated Freight Corridor (DFC) project. The drone was used for three days on a trial basis to monitor a total of 98 kilometers on the DFC.

Maneka Gandhi inaugurated conference of north-east states on child adoption

The Union Minister for Women & Child Development, Smt Maneka Sanjay Gandhi inaugurated the Regional Conference of North Eastern States on Child Adoption in Shillong, Meghalaya. The Conference was organized by the Central Adoption Resource Authority (CARA) of the WCD Ministry.

Google and RailTel Launched Free WiFi Service At Bhubaneswar Railway Station

After Mumbai Central, Google in collaboration with RailTel, the telecom arm of the Indian Railways has launched the high speed public free Wi-Fi service at Bhubaneswar railway station. With this Bhubaneswar railway station became the 2nd station to be covered under the Google and RailTel Wi-Fi project.

Panagarh Airbase Renamed After Former IAF Chief Arjan Singh

The Union Government has renamed Panagarh Air Force Base of West Bengal as Air Force Station Arjan Singh, to honour the

Marshal of the Air Force Arjan Singh. It was renamed on the occasion of his birthday.

Govt unveils Sagarmala National Perspective Plan

The Government of India has released the Sagarmala National Perspective Plan to promote port-led development in the country. Narendra Modi, Prime Minister of India, unveiled the program at the inauguration of the Maritime India Summit in Mumbai. The Plan consists four strategic levers:

1. Optimizing multi-modal transport to reduce the cost of domestic cargo.
2. Minimizing the time and cost of export-import cargo logistics.
3. Lowering costs for bulk industries by locating them closer to the coast.
4. Improving export competitiveness by locating discrete manufacturing clusters near ports.

Intervention by the Union Finance Minister Shri Arun Jaitley at the G20 Finance Ministers

The Union Finance Minister Shri Arun Jaitley participated in the Sixth Annual Ministerial Meeting of India- US Economic and Financial Partnership (EFP) in Washington D.C. The meeting took stock of the concerted efforts undertaken by both sides to deepen mutual understanding and to improve cooperation across a wide range of bilateral and multilateral issues.

Cabinet nod to adopt statute of SAWEN to check wildlife crimes

Cabinet has given its approval for India adopting the Statute of the South Asia Wildlife Enforcement Network (SAWEN) and becoming its formal member in order to strengthen ties with the member countries in controlling the trans-boundary wildlife crime through communication, coordination, collaboration, capacity building and cooperation in the region.

EC Partner with Facebook For Tamil Nadu Polls

After joining hands with Twitter, Election Commission announced its partnership with Facebook to reach out to 31 per cent of the electorate in Tamil Nadu and achieve 100 per cent turnout. From May 15, Facebook users will see news feed reminders with informational links about their polling stations.

Shan-e-Punjab Express becomes India's first train fitted with CCTV cameras

Minister for Railways Suresh Prabhakar Prabhhu inaugurated the fitment of CCTV in Train Shan-e-Punjab Express through video-conferencing from Rail Bhawan premises, New Delhi.

Nadda launches CBNAAT machines for quick diagnosis of TB

Accelerating the efforts to combat Tuberculosis (TB) in the country, Union Health Minister J P Nadda launched Cartridge Based Nucleic Acid Amplification Test (CBNAAT) machines for the quick diagnosis of TB within two hours. The CBNAAT is a revolutionary rapid molecular test which detects Mycobacterium tuberculosis and rifampicin drug resistance, simultaneously.

India Distributes Scholarships To Over 800 Bangladeshi Students In Dhaka

India distributed scholarships to over 800 Bangladeshi students under the 'Mukti jodha Scholarship Scheme'. The scholarships were distributed at the hands of Minister for Liberation War Affairs in the presence of Indian High Commissioner Harsh Vardhan Sringla. Under the scheme, more than 130 million takas have been distributed so far.

PM Inaugurates Power transmission line between India & Bangladesh



Prime Minister Narendra Modi, Bangladesh Prime Minister Sheikh Hasina and Tripura Chief Minister Manik Sarkar jointly inaugurated India-Bangladesh Power Grid Transmission line through

video-conference. The transmission line from Tripura that will supply 100 MW power to Bangladesh. In return, Bangladesh expressed their contribution by providing 10GB Internet Bandwidth to India.

Health Ministry Launched the Longitudinal Ageing Study in India

The Ministry of Health & Family Welfare launched the Longitudinal Ageing Study in India (LASI). This is the largest survey of its kind. It will survey more than 60,000 elderly over 25 years plan.

Akhilesh Ranjan committee submits recommendations on Taxation of e-commerce

A committee was constituted by the Central Board of Direct Taxes to examine the business models for e-commerce, identify the direct tax issues in relation to e-commerce transactions and provide suggestions. This committee was headed by Akhilesh Ranjan, Joint Secretary (CBDT).

Recommendations

- a) Equalization Levy may be imposed on payments to non-residents for specified services by a separate chapter in the Finance Act, 2016.
- b) The rate of Equalization Levy may be between 6 to 8 percent of the gross sum received.

Rashtrapati Bhavan among Most Swachh buildings

Rashtrapati Bhavan and UPSC building have secured full marks to be declared the cleanest buildings along with Hyderabad House, Jawaharlal Nehru Bhavan and Vigyan Bhavan in Swachh Bharat rankings for Central government buildings this year.

Cabinet Approves Udaan Scheme Till 2019-20

Cabinet Committee on Economic Affairs (CCEA), led by the Prime Minister Narendra Modi has given its approval for extension of time period of the Udaan Scheme for Jammu & Kashmir till 2019-20 from the earlier time period of 2015-16. It provides exposure to the youth of J&K to the best of corporate India and corporate India to the rich talent pool available in the State.

World Bank to Extend Rs 9,000 Cr. Support for Swachh Bharat Mission

The Union Cabinet approved a \$1.5 billion (about Rs 9,000 crore) offer of World Bank support for the Swachh Bharat Mission (SBM) in rural areas. The project basically provides for incentivising states on the basis of their performance in the existing SBM-Gramin.

Mann Ki Baat: Centre will build 5 lakh farming pools in rural areas, says Narendra Modi

PM Narendra Modi, in his monthly radio programme 'Mann Ki Baat', said that the government is constructing 5 lakh 'farming pools' to tackle the problem of water shortage in some parts of India. He also asked the farming community to reduce the use of fertilisers and adopt water conservation methods like building small water reservoirs.

Kachhabali Becomes 1st Liquor-free village in Rajasthan

Kachhabali village in Bhim tehsil of Rajsamand district has become the 1st in the state to vote to close down its lone liquor shop.

Govt. to Create 2.5Lakh Dalit Entrepreneurs under Stand Up India

At the inauguration of the 5th National Industrial & Trade Fair organised by Dalit Indian Chamber Commerce & Industry (DICCI), Union Minister for MSME (Micro, Small & Medium Enterprises) Kalraj Mishra announced that, under Stand-up India initiative,

each of the 1.25 lakh bank branches would be encouraged to fund a SC/ST and woman entrepreneurs to create 2.5 lakh new entrepreneurs in the country.

LPG Subsidy In Bank Accounts Has Saved Rs 15,000 Cr.

Prime Minister Narendra Modi said the Centre's policy of giving LPG subsidy directly in consumers' bank accounts has saved the country Rs.15,000 crores last year.

A wax statue of Michael Jackson in Rajarhat

The Mother's Wax Museum in Kolkata has unveiled a wax statue of pop icon Michael Jackson as a part of its expansion plans.

11 Unilateral Advance Pricing Agreements Signed By CBDT

The Central Board of Direct Taxes (CBDT) signed 11 unilateral Advance Pricing Agreements (APAs). With the signing of these agreements, India has entered into 59 bilateral or unilateral APAs. 50 of these agreements have been signed in the current financial year.

112 Would Be the National Emergency Number in India

Since long, Indians had to memorize a plethora of emergency numbers, based on the situation. Now all those different set of emergency numbers would be phased out, and replaced with 112, which would be the default emergency response number for any situation in India.

BHEL commissions 40 MW hydropower plant in West Bengal

State-run power equipment maker Bharat Heavy Electricals Limited has commissioned a 40-mw unit of a hydro power plant in West Bengal.

Gujarat, Maharashtra contribute 46% to India's exports; share of top 5 is 69%

As per the study of industry lobby ASSOCHAM has said Gujarat and Maharashtra account for 46% of the country's merchandise exports. Maharashtra became the best-performing State by shipping goods worth \$72.83 billion in 2014-15. In the same period, Gujarat exported products worth \$ 59.58 billion while Tamil Nadu was the third largest sourcing State with exports worth \$27.47 billion.

DIPP Launches Startup India Website

An online portal, with a mobile application, dedicated to startups was launched by the government. The portal and app will help such enterprises register with for the programme, Department of Industrial Policy and Promotion (DIPP) Secretary Ramesh Abhishek.

Nadda launches GIS-enabled HMIS application, self-printing of e-CGHS Card

J P Nadda, Union Minister of Health and Family Welfare launched two major Digital initiatives to provide easy access to health services to the public: GIS-enabled HMIS application and the self-printing of e-CGHS cards, in New Delhi. GIS-enabled HMIS services will provide comprehensive data on a GIS platform on 1.6 lakh Government Health facilities spread across the country.

India's Fastest Train "Gatiman Express" Flagged Off From Delhi To Agra

Gatiman Express, India's fastest train is flagged off from Delhi to



Agra. Railway Minister Suresh Prabhu flagged off the much-awaited Gatiman Express for Agra from Nizamuddin Railway station. The

Nizamuddin-Agra Gatiman Express is the first semi-high speed service in railways and will run at a speed of 160 km per hour, covering the 188 kilometer distance in 100 minutes.

PM Modi to book first e-rickshaw through Ola: 'Stand up India'

Ola cab has announced the introduction of electric-rickshaws, (e-rickshaws), on its mobile app. The first Ola e-rickshaw was ridden by PM Narendra Modi, at the launch of 'Stand-Up India' initiative.

Government releases Rs. 25,834 crore to FCI as Food Subsidy

The Government has released Rs. 25,834 crore to FCI as Food Subsidy. In addition to this, wage and means advance of Rs. 10,000 crore will be released shortly. FCI is also raising short term loans from banks upto a maximum limit of Rs. 30,000 crore.

Petroleum & Natural Gas Minister dedicates 36 new CNG stations in Delhi & NCR.

Minister of State for Petroleum & Natural Gas Dharmendra Pradhan dedicated 36 new CNG stations located in Delhi and NCR to the public. 30 out of these stations have been installed by Indraprastha Gas Limited (IGL) 3 stations by Haryana City gas in Gurgaon, 1 station by GAIL Gas in Sonapat and 2 stations by Adani gas – one each in Faridabad and Khurja (Bulandshahar) have been set up.

World's 1st Sanctuary For White Tigers Opens In MP

The world's first wildlife sanctuary for white tigers was inaugurated Madhya Pradesh. The world's maiden 'White Tiger Safari' at Mukundpur in Satna district in the state's Vindhya region where the feline was first discovered more than 100 years ago.

Aadhaar enrollments hit 100 cr.

Over 100 crore people, including 93% of the adult population, now have an Aadhaar number. The Unique Identification Authority of India (UIDAI) had generated 100 crore Aadhaar numbers in five-and half years since the first Aadhaar was issued in 2010.

Jackie Chan gets wax statue in Jaipur

Actor and martial artist Jackie Chan got a wax statue at the Nahargarh Fort Museum in Jaipur. The statue, made by an Indian and a Chinese sculptor, was unveiled by Bollywood actor Sonu Sood. Notably, Sood and Chan will be seen together in the upcoming Indo-Chinese film 'Kung Fu Yoga'.

Govt. inaugurates 'Namma Toilet' in Delhi under Swachh Bharat Mission

To promote the Swachh Bharat Mission, Union Urban development Minister Venkaiah Naidu inaugurated 'Namma Toilet' in the national capital Delhi. This is a step in the direction of fulfilling the mission's target to establish over 2.5 lakh public toilets by 2nd October 2017.

Rudy launches Transnational Skill Standards aligned to UK

Union Minister Rajiv Pratap Rudy Launches Transnational Skill Standards in India benchmarked to the United Kingdom across 82 identified job roles, aiming to support international mobility of Indian workforce.

Santosh Gangwar Inaugurates 3 Mega Projects in Nagaland

Union Minister Santosh Kumar Gangwar inaugurated 3 mega textile projects in Nagaland. These 3 projects included Apparel and Garment Making Centre in Dimapur, Muga P3 Basic Seed Station Kobulong in Mokokchung district and newly approved Integrated Eri Silk Development Project under North East Textile Promotion Scheme (NERTPS).

Union Minister Piyush Goyal Lays Foundation Stone For IPDS Work

The Union Minister of the State (IC) for Power, Coal and New & Renewable Energy, Mr. Piyush Goyal has laid the foundation

stone for underground cabling work under 'Integrated Power Development Scheme (IPDS)' at Kabir Nagar, Varanasi.

Union HRD Minister Smriti Zubin Irani Launches ISBN Portal

The Union Human Resource Development Minister Smriti Irani has launched a portal for registration and allotment of International Standard Book Number (ISBN) at a function held in New Delhi. The portal has been created to facilitate publishers as well as the authors to register for ISBN online. ISBN gives an identity to a book and will enhance information about authors and publishers. It is a 13 character identification allotted by International ISBN Agency based in UK through the National ISBN Agency.

Union Minister Uma Bharti Has Inaugurated Water Films Festival

The Union Minister for water Resources, River Development and Ganga Rejuvenation- Uma Bharti has inaugurated the Water Film Festival as a part of the India Water Week celebrations at water expo 2016 in New Delhi. The 4th edition of India Water week has been observed from 4 to 8 April, 2016.

The theme for this year's India Water week is "Water for all: Striving together. The film festival is organized by the Water and Power Consultancy Services (WAPCOS).

Agriculture Minister lays foundation stone of horticulture University

Union Agriculture and farmers Welfare Minister, Radha Mohan Singh laid the Foundation stone of Haryana State University of Horticultural Sciences at Karnal, Haryana.

Sachin becomes the Brand Ambassador of Skill India

The ministry for skill development and entrepreneurship (MSDE) has named Cricket Icon Sachin Tendulkar as brand ambassador of the 'Skill India' campaign.

Centre Recommends Rs. 1,304 Crore For Drought Relief To UP

The Centre has recommended 1,304 crore rupees for drought relief to Uttar Pradesh under National Disaster Relief Fund (NDRF). The decision has been taken by a high-level committee headed by Union Home Minister Rajnath Singh in New Delhi.

BSNL Testing Wi-Fi Technology to Connect 1 Lakh Panchayats in a Year

As the government's rural broadband project is facing long delays, telecom PSU BSNL is testing an alternative WiFi-based network to connect about 1 lakh village panchayats in a year with high-speed Internet. Under the project, a wireless network

over 6 kilometres has been set up connecting WiFi towers in three villages -Karenda, Phalsa and Bahadri with BSNL's exchange in Bhiwadi.

Centre to Issue Universal ID-Cards for Differently-Abled People

Union government is set to issue universal identity cards to the physically challenged with the objective of providing them easy access to various benefits being extended by the government.

STATES IN NEWS

Green Delhi Initiative Phase 1 Has Launched By Arvind Kejriwal

Delhi Chief Minister Arvind Kejriwal has launched the first phase of the Green Delhi initiative by planting trees at the Triangular Park near ITO Chowk. The exercise will involve the greening of around 120 acres which includes central verges, side verges and the kutchra portion under flyovers.

Maharashtra first state to link colleges to National Cancer Grid

Maharashtra tied up with the Tata Trusts to link all government colleges and medical colleges to the national cancer grid for uniform cancer profiling and quality treatment. Chief Minister Devendra Fadnavis and Tata Trusts chairman Ratan Tata signed a memorandum of understanding (MoU) for this collaboration at Vidhan Bhavan in Mumbai.

Odisha Government launches 100 Adarsha Vidyalayas



Odisha government has launched 100 Adarsha Vidyalayas and CBSE-affiliated English medium schools in 14 districts of the state. Chief minister Naveen Patnaik has formally

inaugurated the first model school at Hinjli in Ganjam district of Odisha.

Complete Ban on Alcohol In Bihar Imposed By State CM

The Chief Minister of Bihar Mr. Nitish Kumar has declared total ban on the sale of all forms of alcohol with immediate effect.

Memorial for Abdul Kalam to be opened at Dilli Haat

Delhi government has passed a proposal to build a memorial for late President APJ Abdul Kalam at Dilli Haat, south Delhi. This memorial will include the notes, books, clothes and other

personal items of the former president, will be opened to the public on July 27 Kalam's death anniversary.

Rajasthan Becomes the first state in India to clear land title Bill

Rajasthan has become the first state to pass land title bill. State Assembly passed the Rajasthan Urban Land (Certification of Titles) Bills 2016. It will seek all the documents from the landowners, and will verify it against records held by the state.

'Green UP - Clean UP' programme : Five crore trees to be planted in UP

The Uttar Pradesh government has directed all the district magistrates for plantation of 5 cr. trees at 6,500 sites in 24 hours on a date fixed in month of July under the 'Green UP - Clean UP' programme.

Textiles Minister Inaugurates Apparel and Garment Making Unit In Tripura

The Union Textiles Minister Shri Santosh Kumar Gangwar inaugurated the Apparel and Garment Making unit in Bodhjunnagar Industrial Growth Centre, in Agartala.

Haryana fixes edu. Qualification for Urban Bodies' polls

Haryana Assembly passed two Bills mandating minimum educational qualification for contesting urban local bodies polls in the state. The minimum educational qualification for a general male candidate will be Class X, while that for women and those belonging to SC category would be Class VIII.

Haryana becomes 1st to launch injectable contraceptive.

Haryana has become the first state in India to launch injectable contraceptives as a family planning measure across all government healthcare facilities. The new move is a part of the Haryana government's Project Salamati, which was launched by Haryana Chief Minister Manohar Lal Khattar.

Haryana Government Decided To Rename Gurgaon And Mewat

Haryana Government has decided to rename Gurgaon as Gurugram and Mewat as Nuh. But the decision to change the name will be placed before the Haryana cabinet before being sent to the Union Government.

Delhi government bans sale of all forms of chewable tobacco for 1 year

Delhi government has banned for one year the sale, purchase and storage of all forms of chewable tobacco, including "guktha, pan masala, khaini and zarda", in the national capital.

Punjab Assembly Passes Agriculture Indebtedness Bill

Punjab Assembly has passed a bill, The Punjab Settlement of Agricultural Indebtedness Bill, 2016 that provides relief to the farmers. The bill specifies that the interest payable on debt shall be calculated at such rate as may be notified by the government.

Andhra govt. set to inaugurate country's first lift irrigation project

Andhra government which is known for its innovations and use of technologies in various sectors has also become the first Indian state to implement lift irrigation. Andhra Pradesh government is all set to inaugurate Pattiseema lift irrigation project.

Mizoram, JICA Sign Pact for Promoting Sustainable Agriculture

The Mizoram government and Japanese International Cooperative Agency (JICA) signed an agreement on Capacity Enhancement for Sustainable Agriculture and Irrigation Development.

Affordable plotted housing policy notified in Haryana

The Haryana Government has notified its Affordable Plotted Housing Policy 2016 for low and medium potential towns under the Deen Dayal Jan Awas Yojna. This policy will enable the creation of additional affordable housing stock in the low and medium potential towns of the state.

HC revoked President's Rule in Uttarakhand

The Uttarakhand high court on revoke the imposition of President' rule in the state and revived the Congress government headed by Harish Rawat, who has been asked to prove his majority on 29 April.

Punjab CM Parkash Badal Distributes Health Insurance Cards & Approves Rs 750 Cr. For Road Sector

Government of Punjab to begin the process of issuing pre-active cashless Farmers Health Insurance Cards under Bhagat Puran Singh Sehat BimaYojna in the maiden phase of project.

The cards, which bear the emblem of the United India Insurance Company, entitle the holder to free-of-cost treatment up to Rs 30,000, whereas the state government had claimed that the beneficiary would be entitled to free treatment up to Rs 50,000 per annum.

Maharashtra Legislative Assembly passed Dance Bar Bill 2016

The Maharashtra Legislative Assembly unanimously passed the Dance Bar Regulation Bill 2016. The bill has provisions for stringent actions against the violators. The new Bill fixes

accountability on the owner in case of violation of rules, exploitation of women employees, or in cases of obscenity.

Jharkhand Government announced to reserve 2 percent employment for meritorious sportspersons

Jharkhand Chief Minister Raghubar Das announced that the government would reserve two percent employment in various departments for meritorious sportspersons of the state.

Haryana Government appointed two-member inquiry panel to probe into Jat quota stir

Haryana government constituted a two-member Commission of Inquiry, headed by former Jammu and Kashmir High Court Chief Justice S N Jha, to probe conspiracy behind violent incidents during Jat agitation from 18 to 23 February 2016.

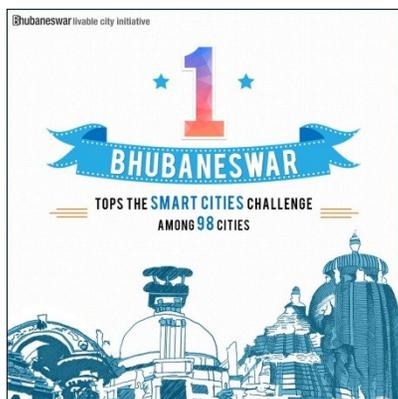
69th Himachal Day celebrated in the State

Himachal Pradesh celebrated 69th Himachal Day on 15th April. On the occasion, a state-level function held at Ghumarvin town in Bilaspur district where Chief Minister Virbhadra Singh has unfurled the national flag.

BHEL commissioned tilttable canal top solar plant in Andhra Pradesh

Bharat Heavy Electricals Limited (BHEL) commissioned a season-wise tilttable canal top solar PV plant at Bhimavaram in Andhra Pradesh. It is the first canal top project in Andhra Pradesh.

Bhubaneswar Smart City Limited, India's first SPV on smart city, started operations



India's first special purpose vehicle (SPV) on smart city - Bhubaneswar Smart City Limited - commenced operations on 1 April 2016. The SPV was set up as per the Smart City Mission Guidelines to enable faster execution of projects by delegating to them powers of various concerned departments and agencies.

Mehbooba Mufti took oath as first woman Chief Minister of Jammu & Kashmir

Mehbooba Mufti sworn in as the Chief Minister (CM) of Jammu and Kashmir (J&K) at Raj Bhawan in Jammu. The swearing-in ceremony was presided over by J&K Governor NN Vohra.

J Geetha Reddy appointed as PAC Chairperson of Telangana

Congress senior MLA J Geeta Reddy was appointed as the Chairperson of the Public Accounts Committee (PAC) of Telangana. She will be the first woman legislator to be appointed for the post in India.

Telangana Road Transport Authority's Mobile App M-Wallet launched

Telangana IT minister KT Rama Rao and transport minister P Mahender Reddy launched the State Road Transport Authority's new mobile app, M-Wallet in Hyderabad. It will help the user to download digital copies of documents like driving licence and registration certificate.

Gujarat government decided to set up first organic farming university of India

Gujarat government decided to set up country's first university focusing on organic farming. Gujarat Chief Minister Anandiben Patel made the announcement and called the farmers to switch to organic farming and its ways from conventional method of farming.

World Bank approved \$250 million loan to Support Electricity Distribution Sector Reforms in Rajasthan

The World Bank Board approved a 250 million US dollar Development Policy Loan (DPL) for Rajasthan. The loan was granted to support the government of Rajasthan in improving the performance of its electricity distribution sector under the State's 24x7 Power for All program.

BHEL commissioned 600 MW Jaipur Thermal Power Plant in Telangana

Bharat Heavy Electricals Limited (BHEL) announced that it successfully commissioned a 600 MW coal-based thermal power plant in Telangana. The unit was commissioned at the upcoming 2x600 MW Singareni Thermal Power Project (TPP) located at Jaipur in Adilabad district of Telangana.

AP Government signed MoU with Cisco to launch AP Fiber Net

The Government of Andhra Pradesh and Cisco signed a Memorandum of Understanding (MoU) to design and implement the AP Fiber Net project.

Telangana, French aviation companies signed MoU to set up training centre in Hyderabad

The Government of Telangana signed a Memorandum of Understanding (MoU) with Aero Campus Aquitaine and Bordeaux Metropole to set up aviation training institute in

Hyderabad. The MoU was signed on the sidelines of the India Aviation Show 2016 and in the presence of Jupally Krishna Rao, Minister for Industries and the representatives of the two companies.

Goa government classified its country liquor, Feni as Heritage Spirit of Goa

Goa government classified the country liquor, Feni as Heritage Spirit of Goa. Feni is the form of spirit produced exclusively in the coastal state. Feni is the first liquor product in the country to obtain such status and got its Geographical Indication (GI) certification in 2000.

India, WB signed USD 35 Million loan agreement for MP Citizen Access to Responsive Services Project

India signed loan agreement of 35 Million dollars with the World Bank for Madhya Pradesh Citizen Access to Responsive Services Project. The objective of the project is to improve access and quality of public services in the state.

Career Guidance Counselling Centres launched in Delhi to improve employment opportunities for women

Career Guidance Counselling Centres were launched on 14 March 2016 in Delhi-NCR. The centres were set-up to provide dedicated career services to young women seeking employment in the region.

BANKS IN NEWS

BRICS bank disburses \$250 million loan for renewable energy project to Canara Bank

The New Development Bank (NDB), commonly known as BRICS bank, has sanctioned its first batch of loans, including \$250 million to India's renewable energy projects. On April 13, the NDB approved four green renewable energy projects from India, China, Brazil and South Africa entailing financing of \$811 million. The project from India entails provisioning of multi-tranche loan of \$250 million to Canara Bank for onlending to renewable energy projects.

Unified Payments Interface Launched

The National Payments Corporation of India has launched the Unified Payment Interface (UPI) for the next generation online payments solution. Unified Payments Interface (UPI) will provide leverage trends such as increasing smartphone adoption and deeper penetration of mobile data. The biggest benefit of Unified Payment Interface is that it will be a single app for

accessing different bank accounts. And anyone using the interface for sending or receiving money from their mobile phones need not give their bank details to the other party.

RBL Becomes 1st Private Sector Bank To Open Dedicated Branch For Startups

The RBL Bank (formerly Ratnakar Bank) became the first private sector bank in India to open dedicated branch for startups. The branch was inaugurated at Koramangala, Bengaluru.

ICICI Bank Open To Investing In Startups

The country's largest private sector lender ICICI Bank has announced that it is open to invest in startups in the financial technology space.

PSU Bank OBC To Raise Over Rs 178 Crore Via Issue Of Shares To LIC

Oriental Bank of Commerce will raise over 178 crore by issuing shares to Life Insurance Corporation on a preferential basis.

Campus Wallet for Students Launched By Federal Bank

Federal Bank has tied up with Chillar Payment Solutions Pvt. Ltd. to promote the start-up's technology product 'Campus Wallet'. This is a student Identity Card integrated with banking technology and the Chillar Payment Solutions Pvt. Ltd. is a technology driven startup company.

Bharti Airtel First Entity to Get Payments Bank Licence From RBI



India leading telecom company Bharti Airtel received its payment bank license that is had applied

for in partnership with Kotak Mahindra Bank, a move that will help the companies take Indian government's financial inclusion plans to the next level.

Federal Bank-Phillip Capital Tie-Up Announced At Singapore

Federal Bank, the Indian Banking major in the private sector, entered into a strategic partnership with Phillip Capital (India) Pvt. Ltd, a subsidiary of the Singapore headquartered Phillip Capital group, for managing NRI Portfolio Investment Scheme (PIS).

CCEA Approved Andrew Yule Proposal To Convert Bank of Baroda's Loan Into Equity

The Cabinet Committee on Economic Affairs (CCEA) cleared conversion of Working Capital Term Loan (WCTL) of Bank of

Baroda's (BoB) 29.91 crore rupees loan to Andrew Yule & Co. Ltd. (AYCL) into equity shares. This approval was granted during the CCEA meet chaired Prime Minister Narendra Modi.

SBI Partners With Uber for Instant Vehicle Financing

India's largest Public Sector lender, SBI ties up with Taxi Aggregator, Uber to provide instant vehicle finance to "driver partners" on the latter's platform. The scheme would encourage skilled drivers to overcome liquidity crunch and excess documentation requirements to become an entrepreneur.

India's first Cash Giving App 'CASHe' Launched

India's first cash giving app has launched by a fin-tech company called Tslc Pte Ltd. The app is named as CASHe. This new application is very helpful and provides users a personalized experience to borrow cash anytime, anywhere within minutes for their needs

European Investment Bank to loan €450 million for Lucknow Metro

European Union, through the European Investment Bank (EIB), will lend India €450 million (approximately Rs. 3,300 crore) towards constructing a 23-km long Lucknow Metro rail line and a purchasing a fleet of new trains. EIB is the EU's official bank and the world's largest international public bank.

LIC Increases Stake in Andhra Bank And Dena Bank

Life Insurance Corporation stake Dena has gone up to 14.5 per cent from 11.63 per cent earlier. These are the post-acquisition of additional shares in Dena Bank. While, it holds more than 14.39 per cent in the lender, from over 10.15 per cent earlier.

Registration Of 22 NBFCs Has Been Cancelled By RBI

The Reserve Bank of India (RBI) said in a statement that it has cancelled registration of 22 non-banking financial companies (NBFCs) including Amazan Capital and Mascot Commerce.

Govt plans to infuse Rs. 5,050 crore in PSU banks

Government is planning to infuse additional capital of about Rs. 5,050 crore in some public sector banks. Parliament has approved Rs 5,050 crore for meeting additional expenditure on re-capitalisation of public sector banks.

Federal Bank To Open Startup Incubation Centres

Federal Bank is all set to open an incubation centers for startups in Bangalore and Ernakulam. These branches will offer advice on capital, regulatory support and even disburse funds in these specialized lounges. These lounges centres named as Launchpad

and are equipped with fast internet connections, support staff from the financial world and advisory mechanisms.

RuPay To Launch Its Credit Cards In September This Year

RuPay the domestic card payment service provider will be venturing into the credit card space this September after increasing its market share to 38 per cent in the debit card segment. The NPCI plans to issue 100,000 such cards in the first year of its launch.

South Indian Bank Gets ISO 9001:2008 Certification

The South Indian Bank has announced that its personnel department has achieved the ISO 9001:2008 certification. It is a very remarkable achievement for the bank as only very few personnel departments have won this certification in the industry.

DBS Likely To Acquire Royal Bank Of Scotland's India Operations

DBS Group Holdings is planning to acquire Royal Bank of Scotland Group's Indian onshore operations for about Rs. 1,000 crore.

Indian Overseas Bank Has Become The 1st Bank To Sell Indian Gold Coins

Indian Overseas Bank (IOB) has become the first bank to commence the sale of Indian Gold Coin (IGC) in the domestic market. It has tied up with Metals and Minerals Trading Corporation of India (MMTC) for the sale of IGC of 24 carat purity. The Indian Gold Coin has the national emblem "the Ashok Chakra" engraved on one side and the face of Mahatma Gandhi on the other side. The current denominations available in the coins are 5, 10 and 20 gm.

ECONOMY NEWS

Govt. Allows 49% FDI In Insurance Under Automatic Route

The government has relaxed FDI norms for the insurance sector by permitting overseas companies to buy 49 percent stake in domestic insurers without prior approval, which is another effort to bring more foreign players into India's vast insurance market.

Government Permits 100% FDI in Online Marketplaces

The government permitted 100% FDI in the marketplace format of e-commerce retailing with a view to attract more foreign investors. As per the guidelines issued by the Department of Industrial Policy and Promotion (DIPP) on FDI in e-commerce,

foreign direct investment (FDI) has not been allowed in inventory-based model of e-commerce.

Inflation negative for 17th month; at -0.85% in March

Continuing the deflationary trend for 17th month, WPI inflation was at (-)0.85 per cent in March but may inch up gradually in the coming months on growing pressure on food and vegetable prices.

India Emerges As Top FDI Destination, Ahead of US, China: Report

According to Foreign Direct Investment Intelligence Report India has replaced China as top destination for foreign direct investment (FDI) by attracting \$63 billion projects in 2015. FDI Intelligence is a division of The Financial Times Ltd. China suffered a 23 % decline in capital investment and a 16 per cent drop in FDI projects.

India's Ad Growth Rate To Be The Fastest In 2016 : Report

According to agency Carat, India's 2016 advertising growth rate will be the fastest at 12%, which is ahead of global average of 4.5%. The agency Carat is the part of the Dentsu Aegis Network.

India To Notch Up To 7.5 % Growth In 2016–17 : IMF

International Monetary Fund (IMF) has declared the India's growth is projected to notch up to 7.5% in 2016-17.

Asian Development Bank cuts Asia's growth forecast to 5.7% for 2016

The Asian Development Bank (ADB) slashed its economic growth forecast for developing Asia this year, citing global headwinds and a weaker outlook for China. Developing Asia will expand 5.7% this year and in 2017, the Manila-based lender said in its latest Asian Development Outlook released. It also said that Growth in India will slip to 7.4% this year from 7.6% in 2015, but should recover to 7.8% in 2017.



forecast for developing Asia this year, citing global headwinds and a weaker outlook for China. Developing Asia will expand 5.7% this

Nifty Launches New Index For Mid And Small Cap Stocks

The National Stock Exchange (NSE) has launched a new index Nifty Mid-Small cap 400. It will represent the mid and small market capitalization segments of the stock market. The new index will comprise of 400 companies which are the constituents of Nifty Midcap 150 and Nifty Smallcap 250 indices.

Centre Releases Rs.12, 230 crore To States For MGNREGA

The Ministry of Rural Development has released a central share of Rs. 12,230 crore to the states for implementation of its flagship programmes under the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA).

Japan to lend Rs.14,000 crore for Indian projects

Government of Japan has committed a loan of JPY 242.2 billion (around Rs.14,251 crore) for various projects across India, including Jharkhand, Odisha, Madhya Pradesh and the North East.

Government Of India Has Hiked DA, DR BY 6 %

The cabinet approved a 6 percent hike in Dearness Allowance (DA) to central government employees and Dearness Relief (DR) to pensioners. This will be applicable from January 1, 2016. The decision has been taken in the cabinet meeting chaired by Prime Minister Narendra Modi.

SEBI doing Away Of Fresh KYC For Opening Of New Accounts In Securities Market

Indian capital market regulator SEBI is considering doing away with the requirement of a fresh KYC for opening of new accounts in securities market if the investor has got a bank account. Under the proposed move, the market intermediaries like mutual funds would rather be allowed to use the Know Your Customer or KYC checks conducted by banks themselves.

Current Account Deficit Narrows To 1.3 % of GDP In 3rd Quarter

India's current account deficit narrowed to 1.3% of the gross domestic product (GDP) in the third fiscal quarter.

Cisco to invest \$100 millions in India; to train over 250,000 students

American multinational technology company Cisco Systems Inc will invest over \$100 million over the next 18 to 24 months to support the country's ambitious plan to connect thousands of its villages to the internet and create jobs.

BUSINESS NEWS

Uber partners with FICCI, Gujarat Tourism for soft skill training

Cab aggregator, Uber has entered into a partnership with Gujarat Tourism and FICCI in Ahmedabad city to facilitate training for Uber driver - partners. The training is designed and conducted in order to improve the overall rider experience in Gujarat.

GVK sells stake in Bangalore International Airport to Fairfax

GVK Power and Infrastructure Ltd has agreed to sell a 33% stake in Bangalore International Airport Ltd (BIAL) to India-born Canadian billionaire Prem Watsa's Fairfax India Holdings Corp. and Fairfax Financial Holdings Ltd for Rs.2,149 crore, seeking to raise money to repay debt.

Shah Rukh Khan to Continue As Dish TV's Brand Ambassador

Leading direct-to-home television operator Dish TV has extended its tie-up with Bollywood star Shah Rukh Khan, who has been endorsing the brand for more than eight years, and plans to launch a new pan-India campaign.

DVC To Form JV With Neyveli Lignite For Raghunathpur Plant

Damodar Valley Corporation (DVC) has decided to bring its 2x600 MW Raghunathpur thermal power project under a joint venture with Neyveli Lignite Corporation (NLC), offering NLC 74% stake while retaining 26% with itself.

Mahindra & Mahindra First Indian Company to Join EP100 Campaign

The Automobile giant Mahindra & Mahindra has become the first Indian company to join a global energy campaign led by an international non-profit group, known as the Climate Group. The world's largest manufacturer of tractors, Mahindra has committed to doubling their energy productivity by the year 2030.

Accenture Opens Cyber Centre In Bengaluru

A Global consulting and technology services firm Accenture has set up a cyber-center in Bengaluru to expand its security presence. The center will help Accenture's clients tackle complex security challenges, according to a statement from the company.

TCS In Time's Top 50 Employers For Women In UK

A part of the Tata group and India's largest IT services company, Tata Consultancy Services (TCS) has been recognized as one of the United Kingdom's leading employers for women in a list published by The Times.

Airtel Buys Aircel's 4G Spectrum in 8 Circles For Rs 3,500 crore

Bharti Airtel announced the acquisition of 20 MHz spectrum in eight circles from Aircel for Rs 3,500 crore. Bharti will acquire spectrum or radio-waves in 2,300 MHz band in Tamil Nadu, Bihar, West Bengal, Jammu and Kashmir, Assam, North East, Andhra Pradesh and Odisha.

JK Tyres Acquired Cavendish Industries For Rs 2200 Crore

The leading Indian tyre manufacturer JK Tyre has announced that it had completed the acquisition of tyre, tube and flap maker Cavendish Industries at an enterprise value of Rs.2,200 crore. It is a unit of Kesoram Industries Ltd and Kesoram Industries is a B.K. Birla Group company.

Infosys co-founder launches app chronicling Indian IT journey

S. 'Kris' Gopalakrishnan, co-founder Infosys, announced the launch of Itihaasa, a first-of-its-kind digital app that recounts the history of Indian IT since the 1950s in the presence of industry leaders and other guests at a ceremony. It is one of the largest chronicles of its kind with 600 videos featuring 44 technology stalwarts.

FICCI Ladies Org Plans To Set Up Centres In Gujarat

FICCI Ladies Organization (FLO) has planned to set up two Mahila Huts in Gujarat. These centres will help in the upliftment of women belonging to all sections of the society through education and training.

Future Group Has Acquired FabFurnish

Udna hai. Aaj. Abhi.

Future Group has acquired online home furnishings and décor business company FabFurnish for an undisclosed amount. But the Future Group will retain the FabFurnish brand and will use the store's online platform to take its Home Town retail stores online.

TCS, Mahindra Account For 80% Of Completed Toilets by India Inc.

Software major Tata Consultancy Services and utility vehicle maker Mahindra Group top the list of corporates involved in construction of toilets in schools under the government's Swachh Vidyalaya Abhiyan initiative, accounting for close to 80% of the total toilets completed by India Inc.

Golden Tobacco Ltd begins implementing 85% pictorial warning rule on its cigarette packs

Golden Tobacco Ltd. became the first company in India to implement the Union Health Ministry's Cigarettes Packaging Amendment Rules, 2014. It started carrying 85% pictorial health

warnings on both sides of it tobacco packets bearing April 2016 as the manufacture date.

Fairfax India To Invest \$300 million in Sanmar Chemicals

Sanmar Chemicals, India's private sector petrochemical firm, will receive Rs.1,996 crore equity investment from Fairfax India Holdings. A 30 percent minority stake in the company will be offered through a combination of equity and fixed income instruments to Fairfax.

Orahi acquires Odd-Even.com

Carpooling platform Orahi, backed by Indian Angel Network announced the acquisition of Odd-even.com, founded by 13-year old Akshat Mittal. Odd-Even.com was started by Akshat Mittal, a 13- year-old.

Blackstone to Acquire HP's 60% Stake In Mphasis

Blackstone Group has announced that it is buying Hewlett Packard Enterprise Co.'s majority stake in Indian outsourcing firm Mphasis Ltd. This deal represents the largest acquisition by Blackstone in India.

Flipkart acquires mobile payments firm PhonePe

India's largest e-commerce company Flipkart has acquired PhonePe, a Bengaluru-based mobile payments company, which was co-founded by ex-Flipkart employees Sameer Nigam and Rahul Chari. PhonePe is building India's a Unified Payments Interface (UPI) based product, which is, planned to go live in April.

Adani Ties Up With Elbit, Alpha for Unmanned Aircraft Systems

Adani Group's unit Aero Defence Systems & Technologies Ltd has signed a so-called statement of intent with Elbit-ISTAR of Israel and Indian company Alpha Design Technologies Pvt Ltd to work together in the field of unmanned aircraft systems (UAS).

NTT Data to Buy Dell's IT-Services Arm

Japan's major NTT Data has acquired Dell Services, the IT services arm of PC maker Dell. According to various media reports the deal is valued at over \$3 billion.

Bajaj Finance enters life care financing segment

Bajaj Finance is entering the Rs 20,000-crore life care segment under which it will finance expenses for stem cells storage units, cosmetics-based hair treatment, dental and eye care, IVF & maternity care, laparoscopic cure for a dozen ailments, and elective medical/paramedical care for many other issues.

BHEL commissions 40 MW hydropower plant in West Bengal

State-run power equipment maker Bharat Heavy Electricals Limited has commissioned a 40-mw unit of a hydro power plant in West Bengal.

Tech Mahindra Expands Its Presence In France

The information technology services unit of Tech Mahindra has announced the launch of a development centre in Toulouse, France. It will help to work on projects for existing partners and customers in the aerospace industry. It's a significant milestone for the organization in terms of growth.

ITC Has Acquired Technico Agri Sciences Ltd For Rs 121 Cr.

The FMCG major ITC Ltd has acquired the India unit of Australia based agri biotech company Technico Agri Sciences Ltd (TASL) for Rs.121 crore. Its a direct subsidiary of Technico Pty Limited (TPL). As per the BSE filing by ITC , the acquisition is expected to improve business and operational synergies.

Hero Cycles Acquires 60% In Sri Lanka's BSH Ventures

Hero Cycles, the world's largest bicycle manufacturer by volume has acquired 60 % stake in one of Sri Lanka's leading bicycle manufactures BSH Ventures. It is third major acquisition within six months.

Sachin Tendulkar invests in Smartron India

Cricket legend Sachin Tendulkar made his first investment in a technology start-up, a firm that makes smart devices, for which he will also be a brand ambassador.

Paytm enters online movie ticketing

PVR Ltd, India's biggest multiplex chain, and mobile payments company Paytm announced a partnership to sell movie tickets on the e-commerce platform.

Govt Withdraws Recognition of Delhi Stock Exchange

The government has formally withdrawn the recognition of Delhi Stock Exchange (DSE) after it was de-recognized by markets regulator Sebi in November 2014 for "serious irregularities" in its functioning.

BHEL Commissions its 2nd 270 MW Thermal Unit In Punjab

Within a month of successful commissioning of a 270 MW thermal generating unit in the state, the state run BHEL (Bharat Heavy Electricals Limited) has commissioned another 270 MW unit at Goindwal Sahib coal-fired power project in Punjab. The unit has been commissioned at the GVK Power and Infra Ltd in Tarn Taran District near Amritsar.

Magicbricks.com Acquires Property Analysis Firm Properji.com

Real estate portal Magicbricks acquired property research and analysis portal Properji.com for an undisclosed amount.

Bharti Airtel buys Videocon Telecom for Rs 4,428 cr.

India's largest telecom operator by subscriber base, Bharti Airtel, said on Thursday that it has acquired Videocon Telecom for Rs 4,428 crore.

Kotak Mahindra Group Ties Up With Canada Pension Plan for Investment In Indian Stressed Assets

Kotak Mahindra Bank Group has signed an agreement up with Canadian Pension Plan Investment Board (CPPIB) to launch a \$525 million fund to invest in the stressed asset market in India. The Canadian pension fund manager will have the option to invest up to \$450 million in this partnership.

AGREEMENTS/MOU SIGNED

MoU Between India And Bhutan On Technical Cooperation

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has given the approval for signing of Memorandum of Understanding between India and Bhutan on technical cooperation in the field of capacity building, bench marking and bilateral exchange in infrastructure engineering.

Ceasefire In Nagaland Extended By One Year

The Government of India and the National Socialist Council of Nagaland, under the leadership of N. Kitovi Zhimomi and M. B. Neokpao Konyak, have mutually agreed to extend the Ceasefire agreement by another year with effect from April 28, 2016.

Cabinet Approves Signing The Paris Agreement

The Union Cabinet headed by the Prime Minister Mr. Narendra Modi has given its approval for the signing of the Paris Agreement adopted at the 21st Conference of Parties held at Paris in December last year.

India, Germany Ink Agreement on Namami Gange Project

An implementation agreement for Ganga Rejuvenation under the Namami Gange Programme was signed between India and Germany. The objective of the agreement is to enable responsible stakeholders at National and State level to apply integrated river basin management approach for the rejuvenation of the river Ganga.

India Sign MoU With Mauritius For Cooperation In Traditional Medicine And Homoeopathy

India and Mauritius have signed an MoU on cooperation in the field of traditional system of medicine and Homoeopathy.

India, Afghanistan And Iran Finalize Draft Of Chabahar Trilateral Agreement

India, Afghanistan and Iran have finalized draft of the Chabahar Trilateral Agreement on Transport and Transit Corridors. The agreement was finalized at the 2nd meeting of experts from the three countries in New Delhi.

IIT-Kanpur to provide scientific support for cleaning Ganga

National Mission for Clean Ganga under the Ministry of Water Resources, River Development and Ganga Rejuvenation in collaboration with Indian Institute of Technology, Kanpur (IITK) announced the formal launch of Centre for Ganga River Basin Management and Studies (CGRBMS)

in New Delhi.

MoU Between India And Bangladesh On Cooperation In The Field Of Fisheries

Union Cabinet, chaired by the Prime Minister Shri Narendra Modi, was apprised about the Memorandum of Understanding (MoU) signed between India and Bangladesh in September, 2011 on bilateral cooperation in the field of Fisheries and aquaculture and allied activities. The MoU will remain in force for a period of five years.

India, US 'agree in principle' on sharing military logistics

India and the United States announced an in-principle logistics exchange agreement to enable their militaries to use each other's assets and bases for repair and replenishment of supplies.

UNICEF, GITAM Sign Pact to Address Adolescent Issues

The UNICEF and GITAM University signed an MoU to empower the adolescents 10-19 years and to address the issues of the adolescents in Visakhapatnam District. The District has been selected as one of the four districts in India to deal with adolescents issues.

India, Maldives Sign Six Agreements To Boost Ties

India and Maldives have signed six agreements in different sectors to boost bilateral relations between both maritime

neighbouring countries. The agreements were signed after comprehensive talks between Prime Minister Narendra Modi and visiting Maldives President Abdulla Yameen Abdul Gayoom at the Hyderabad House.

The list of signed Agreements:

1. Double Taxation
2. Exchange of Information
3. Defence Cooperation
4. Space Research
5. Tourism Cooperation
6. Conservation and Restoration

India Offers To Invest \$20 Billion In Iran

India has offered to invest upto \$20 billion in Iran announced by Dharmendra Pradhan Minister of Petroleum and Natural Gas during his two day visit to Iran. This was the first visit by an Indian minister since the US and other western powers lifted sanctions against Iran in January.

NRDC signs License Agreement with Nagarjuna Agro Chemicals for Soil Moisture Indicator

National Research Development Corporation (NRDC), under the Ministry of Science & Technology, has entered a licence agreement with Nagarjuna Agro Chemicals Pvt Ltd for commercialization of a soil moisture indicator device.

India signs \$100 million draft export pact with Islamic Development Bank

India has signed a memorandum of understanding with the Islamic Development Bank (IDB) for a possible \$100 million line of credit to simplify exports to IDB's member countries.

MoU Signed To Promote Research With IMPRINT Programme

A Memorandum of Understanding (MoU) was signed by 25 Union Ministries of the Government of India under the IMPRINT programme of the Union Government to promote research in premiere technical institutions on March 31, 2016.

ICCR to set up first Indian Chair in Arab world at Cairo

An MoU in this regard was signed between India's Ambassador to Egypt Sanjay Bhattacharyya on behalf of Indian Council for Cultural Relations (ICCR) and Prof. Abdel Wahab Ezzat, Acting President of ASU.

India Has Signed \$35 Million Loan Agreement With The World Bank For MP Project

The Government of India has signed a loan agreement with the World Bank for Neeranchal National Watershed Project in

Madhya Pradesh. The loan has been sanctioned by the World Bank's concessionary lending arm International Development Association (IDA).

Snapdeal's FreeCharge Partners With Payment Gateway CCAvenue

Snapdeal-owned digital payments platform FreeCharge has partnered with a payment gateway CCAvenue to strengthen its offerings, as it gains access to over one lakh online merchants across sectors like hospitality, retail and education.

India & France Sign MoU For Construction Of 6 Nuclear Reactors In Maharashtra

India and France have signed a memorandum of understanding (MoU) for construction of six nuclear reactors at Jaitapur in Maharashtra.

Ashok Leyland To Partner With US Firm To Develop Defence Systems

Hinduja Group's Ashok Leyland Defence Systems Ltd (ALDS) has tied up with US-based defence contractor Lockheed Martin Corp. to develop combat vehicles for the Indian Army.

BOOKS/AUTHORS

The Making of India: The Untold Story of British Enterprises authored by Kartar Lalvani

The making of India: The untold story of British Enterprises authored by Kartar Lalvani was launched. The book discusses the British rule and its role in creating a unified India.

Gandhi: An Illustrated Biography authored by Pramod Kapoor

Gandhi: An Illustrated Biography authored by Pramod Kapoor was launched. It is a biography of Mahatma Gandhi who played a key role in Indian independence movement.

Book Launched By Arvind Kejriwal Co-Authored By Imran Hashmi

Delhi Chief Minister Arvind Kejriwal has launched the book "The Kiss of Life: How a superhero and my son defeated cancer" in New Delhi. The book is written by Bilal Siddiqi and co-authored by Emraan Hashmi.

Scott Kelly to write memoir titled Endurance: My Year in Space and Our Journey to Mars

NASA astronaut Scott Kelly will write a memoir titled Endurance: My Year in Space and Our Journey to Mars, as announced on 6 April 2016. The book will be published by Alfred A. Knopf.

A State in Denial authored by BG Verghese

A State in Denial - Pakistan's Misguided and Dangerous Crusade authored by veteran journalist BG Verghese was re-released.

Anything But Khamosh: The Shatrughan Sinha Biography authored by Bharathi S Pradhan

The book entitled Anything But Khamosh: The Shatrughan Sinha Biography was launched which was authored by Bharathi S Pradhan. The book describes film actor Shatrughan Sinha's journey from Patna to Film Institute of India (now FTII) in Poona and his tryst with the celluloid in Mumbai.

NEW APPOINTMENTS

Bhupendra Kainthola appointed FTII Director

Indian Information Service (IIS) officer Bhupendra Kainthola was appointed as Director of Pune-based Film and Television Institute of India (FTII). He has been appointed to the post for three years.

Chadian President Idriss Deby wins fifth term

Chad's veteran leader Idriss Deby has won a fifth term in office after taking more than 60 per cent of the vote in the first round of presidential polls.

Jaspal Bindra Joins Centrum Capital Group As Executive Chairman

Jaspal Bindra, the former Standard Chartered group executive director and chief executive officer for Asia Pacific who stepped down last year, has been appointed executive chairman of the Centrum Group Jaspal Bindra.

Saurabh Agarwal Of StanChart Joins Aditya Birla Group

Saurabh Agarwal, Managing Director, Regional Head of Corporate Finance, South Asia, Standard Chartered Bank will be joining Aditya Birla Group as their chief strategy officer.

Communist Laos appoints new President, Prime Minister

The National Assembly of Laos elected the chief of the ruling Communist Party, Bounnhang Vorachit, as President. Foreign minister Thongloun Sisoulith was elected Prime Minister, while Phankham Viphavanh was appointed Vice President.

Centre appoints Rubber Board chief

Senior IAS officer A Ajith Kumar appointed as Kerala-based Rubber Board's chairman, a post lying vacant for over a year and a half.

Goa Appoints Justice P.K. Mishra As Lokayukta

Retired Justice P K Mishra would be most probably the Lokayukta for Goa. Goa government has recommended his name to Governor Mridula Sinha.

BCCI Appoints Rahul Johri As Its CEO

The Board of Control for Cricket in India (BCCI) has announced the appointment of Mr. Rahul Johri as its first-ever chief executive officer (CEO). He will join the board on 1st of June.

Barack Obama nominates Indian-American Geeta Pasi as US envoy to Chad

Barack Obama has nominated Indian-American Geeta Pasi as the country's next envoy to central African nation Chad. Ms. Pasi, who served as the United States Ambassador to Djibouti from 2011 to 2014, is a career member of the Foreign Service.

Deepak Mishra appointed as ADG of CRPF

Mr. Deepak Mishra, an Indian Police Service (IPS) officer of the 1984 batch (AGMU cadre), has been appointed as Additional Director General in the Central Reserve Police Force (CRPF).

Tata Steel appoints new CEO for UK business

Tata Steel appointed Bimlendra Jha, executive committee member of Tata Steel's Europe operations, as the Chief Executive Officer (CEO) at Tata Steel UK.

Ukrainian Parliament Appoints Groyzman as New Prime Minister

Ukraine's parliament approved presidential ally Volodymyr Groyzman as Prime Minister in the biggest political shakeup since a 2014 uprising brought in a pro-Western leadership.

GoJavas Appointed Amitabh Coomar As Its New CEO

GoJavas, the logistics and supply chain solutions company has announced the appointment of Mr. Amitabh Coomar as the Chief Executive Officer (CEO). The appointment of Coomar came after the departure of Vijay Ghadge, who was the Chief Operating Officer (COO) of the company.

P.C.Thakur appointed as Director General for Fire Services and Geeta Johri as its First Woman DGP

The Appointments Committee of the Cabinet has approved the appointment of P.C.Thakur, IPS as Director General, Fire Services, Civil Defence and Home Guards (FS, CD&HG). Also, the Gujarat government appointed Geeta Johri as the Director General of Police (DGP).

Susmita Pande Appointed As Chairperson of National Monument Authority

The union government has appointed Susmita Pande as the new chairperson of the National Monument Authority (NMA) for 3 years. She will succeed Himanshu Prabha Ray.

Ajay Devgn is Andhra Pradesh's new brand ambassador

Ajay Devgn and his actress wife Kajol will serve as brand ambassadors of Andhra Pradesh tourism. The Bollywood couple is the face of the Andhra Pradesh tourism sector, identified as the growth engine by the Chandrababu Naidu government.

Paytm's Vijay Shekhar Sharma to head IAMAI's Payments Banks Group

Paytm founder Vijay Shekhar Sharma will chair the newly formed Payments Banks Group at industry body Internet and Mobile Association of India (IAMAI).

Centre Appoints Finance Secretary Ratan Wattal As liaison Officer With J&K

Finance Secretary Ratan Wattal was appointed as the liaison officer to working between Jammu and Kashmir government and central government.

Deepak Kashyap appointed as anti-corruption official in BSNL

Railway service officer Deepak Kashyap was appointed as Chief Vigilance Officer (CVO) of Bharat Sanchar Nigam Limited. The CVO acts as distant arm of Central Vigilance Commission to check corruption.

Meeran Borwankar Appointed As The New DG Of BPR&D By GOI

Maharashtra cadre IPS officer Meeran C Borwankar has appointed as the new Director General (DG) of Bureau of Police Research and Development (BPR&D) till the date of her superannuation in 2017.

LAVA International Announces MS Dhoni As Its Brand Ambassador

A Noida based handset manufacturer Lava International has announced the Indian's limited over captain Mahendra Singh Dhoni as it's new brand ambassador. This step has been taken to strengthen its brand in India.

Ukraine Prime Minister Arseniy Yatsenyuk To Resign

The Ukrainian Prime Minister, Arseniy Yatsenyuk announced his resignation two months after he survived a no-confidence vote

in parliament. Arseniy Yatsenyuk, 15th Prime Minister of Ukraine is a lawyer and economist.

Hemant Kumar Ruja Appointed As CFO Of Indus Towers

Indus Towers, the country's largest telecom tower company has announced the appointment of Mr. Hemant Kumar Ruja as the Chief Financial Officer of the company.

Virat Kohli Named As Brand Ambassador Of Premier Futsal Football League

Premier Futsal is the newer and shorter five-a-side variant of soccer (football) named the Virat Kohli as its brand ambassador..

Justice Permod Kohli Appointed As Chairman of Central Administrative Tribunal

Retired Chief Justice of Sikkim High Court Justice Permod Kohli has been appointed as the Chairman of Central Administrative Tribunal(CAT). He will have tenure of five years.

Former Alibaba Wholesale Business Head Bhushan Patil Joins Paytm As President

Mobile payment and commerce platform Paytm has appointed ex-head of Alibaba Group Holding's wholesale business, Bhushan Patil, as the company's new president.

Surya Deva Appointed As UN Human Rights Commissioner

Indian origin law professor Surya Deva has been appointed as an adviser on human rights and multinationals and businesses by the UN Human Rights Council (UNHRC).

Indo American Appointed As The President & CEO Of Bank Of The West

Nandita Bakshi an Indian-American has been appointed as the President and Chief Executive Officer (CEO) of Bank of the West. Bank of the West is the unit of French banking giant BNP Paribas. She will succeed Michael Shepherd.

Haryana's new Lokayukta: NK Aggarwal

Former Chief Justice of the Chhattisgarh High Court, NK Aggarwal, will be Haryana's next Lokayukta. He succeeds Justice Pritam Pal who retired in January.

Tausif Monif Joined Lambda Therapeutic Research As Its New President

Lambda Therapeutic Research, a Global Clinical Research Organization has announced the appointment of Tausif Monif as its new President for Global Operations. The MD of Lambda Therapeutic Research is Bindi Chugar.

Iceland Names Sigurdur Ingi Johannsson As Next PM

Sigurdur Ingi Johannsson, Iceland's Minister of Agriculture and Fisheries and the deputy leader of the center-right Progressive Party, has been appointed as the country's new Prime Minister. He replaces Sigmundur David Gunnlaugsson.

Debraj Pradhan appointed as the next Ambassador of India to Norway

Debraj Pradhan appointed as the next Ambassador of India to Norway. He is presently the Ambassador of India to Chile.

TNCA Has Appointed Mr. D. Vasu As Its New Director

Tamil Nadu Cricket Association (TNCA) Academy has appointed D. Vasu as its new director for a period of two years. TNCA is the governing body of Cricket activities in the Tamil Nadu state of India and the Tamil Nadu cricket team.

Hashim Thaci Sworn In As New President of Kosovo

Hashim Thaci, Foreign Minister of Kosovo has been sworn in as the President of Kosovo. He succeeded Atifete Jahjaga.

CP Gurnani appointed NASSCOM Chairman

National Association of Software and Services Companies (NASSCOM) has announced the appointment of CP Gurnani as its Chairman for 2016-2017. He succeeds BVR Mohan Reddy, who served as Chairman of NASSCOM for 2015-16.

Wipro Has Appointed Patrick Dupuis As Board Of Directors

Wipro Limited has announced Patrick Dupuis as its new Board of Directors. He will serve the company as an independent member on its board.

Jitendra Jagota Has Appointed As The Chairman of IDSA

Indian Direct Selling Association (IDSA) has announced Jitendra Jagota as the new Chairman in its new Executive Committee at the General Body Meeting held in New Delhi. He will succeed Mr. Rajat Banerji.

GoAir elevated Wolfgang Prock-Schauer as Managing Director

Go Airlines (India) Ltd. elevated its present chief executive officer (CEO) Wolfgang Prock-Schauer as the managing director. He will also hold twin charge of both CEO & managing director.

Manish Sharma first Indian to be Executive Officer Panasonic Corporation

Japanese electronics giant Panasonic has appointed senior executive Manish Sharma to its global executive council,

inducting an Indian onto the coveted decision-making body of the \$80-billion company for the first time ever.

Internal security chief Tran Dai Quang sworn in as Vietnam's president

Internal security chief Tran Dai Quang was sworn as the new Vietnamese president. He was the only candidate for president. Also, Vietnam's National Assembly (NA) elected Nguyen Thi Kim Ngan as the country's first female house speaker.

Kallol Roy Appointed As The New CMD Of Bhartiya Nabhikiya Vidyut Nigam

Bhartiya Nabhikiya Vidyut Nigam Ltd (BHAVINI) has appointed the Kallol Roy as its new chairman and managing director (CMD). He assumed the position under the superannuation of P Chellapandi.

Rajiv Gauba Takes Over As Secretary Of Urban Development Ministry

Rajiv Gauba, IAS officer has taken charge as Secretary to the Ministry of Urban Development. He replaced Madhusudan Prasad.

Vietnam's parliament elects first female speaker

Vietnam's National Assembly (NA) elected Nguyen Thi Kim Ngan as the country's first female house speaker. Prior to the election, Ngan served as Vice Chairperson of the National Assembly.

Faustin Archange Touadera The New President of Central African Republic's

Faustin Archange Touadera, the newly elected president of Central African Republic has taken the oath of office.

Rakesh Mohan joins Nestle India Board

Nestle India Ltd appointed Dr. Rakesh Mohan as an Independent Non-Executive Director of the Company with effect from May 01, 2016 upto June 30, 2020.

Lamborghini India Appointed Mr. Sharad Agarwal As Its New Head

Lamborghini India Pvt. Ltd has appointed Sharad Agarwal as its country head with immediate effect. In Lamborghini he will be taking care of the entire activities of oversee sales, marketing, and network development of the company.

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OBITUARIES

Renowned Music Legend Prince Has Passed Away

The American music superstar Prince Rogers Nelson has passed away. He was 57 year old. The pop star was found dead at his home in suburban Minneapolis.

Renowned Hollywood Actress Doris Roberts Has Passed Away

The five time Emmy award winning actress Doris Roberts has passed away. She was 90 year old. She was renowned for playing meddling mother Marie Barone in US sitcom Everybody Loves Raymond.

William Bill Campbell, Silicon Valley Coach And Mentor Has Passed Away

The Silicon Valley coach and mentor William Bill Campbell has passed away. He was 75 year old and was suffering from cancer.

Hero Group Co-Founder Satyanand Munjal Passed Away

The co-founder of Hero Cycles group, Mr. Satyanand Munjal has passed away in Ludhiana. He was 99 year old. He was popularly known as 'mahatma' for being devoted to several social causes.

Former Malian Photographer Malick Sidibe Passed Away

The award winning Malian photographer, Malick Sidibe has passed away recently. He was 80 year old.

Woman Biker Veenu Paliwal Died In A Road Accident

Former Indian woman biker Veenu Paliwal has died in a road accident in Vidisha district, Madhya Pradesh. She was 44 year old.

Former MP C Silvera Passed Away

Former Union Minister of State for Health and Family Welfare Mr. C Silvera has passed away due to massive stroke in Tuikhuahtlang, Aizawl district of Mizoram. He was 81 year old.

Renowned Actor Larry Drake Has Passed Away

The famous American actor, voice artist and comedian Mr. Larry Drake has passed away due to cancer. He was 66 year old. The actor was best known for his role Benny Stulwicz in L.A. Law and the voice of Pops in Johnny Bravo.

Veteran Journalist Yogendra Bali Is No More

The veteran journalist and author Yogendra Bali has passed away due to a heart attack. He was 85 year old.

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M H P Rao, The Architect Of Madras Atomic Power Station Passed Away

The Architect or father of the Madras Atomic Power Station (MAPS), Mr. Myneni Hari Prasad Rao has passed away in Chennai. He was 88 year old.

Oscar Winning Actress Patty Duke Has Passed Away

The Oscar winning US actress Patty Duke has passed away recently. She was 69 year old. She won Oscar for playing Helen Keller in The Miracle Worker in 1963.

Renowned Author Jim Harrison Has Passed Away

Jim Harrison, the great writers in contemporary American fiction has passed away at his home in Patagonia, Arizona. He was the prolific author and poet. He was 78 year old.

Garry Shandling The Comedian And Actor Has Passed Away

Garry Shandling, the famous comedian who was best known for his faux docudrama and the show " it's Garry Shandling's " has passed away due to an apparent heart attack. He was 66 year old.

Football legend Johan Cryuff Passes Away

The Holland football legend Johan Cruyff has died of cancer. He was 68 year old. He has received the world player of the year on the three occasions, that is in 1971, 1973 and 1974.

Kadhprasangam Maestro and Actor VD Rajappan Passed Away

Kadhprasangam maestro and actor VD Rajappan has passed away at a private hospital in Kottayam. He was 70. He was Kerala's popular 'Kadhprasangam' (story telling) artiste and Malayalam film actor mainly known for his comic roles.

Ex-Intel CEO Andy Grove dies

Former Intel Corp. chief executive Andy Grove died. He was 79. He was Intel's very first hire and played an instrumental role in taking the company from a scrappy startup to the most powerful chipmaker in the world.

Former Danish Prime Minister Anker Jorgensen Passed Away

Anker Henrik Jorgensen, who was a Danish politician and served at various times as Prime Minister and Foreign Minister of Denmark has passed away. He was 93.

Frank Sinatra Jr. Has Passed Away

The son of the legendary entertainer, Mr. Frank Sinatra Jr. has passed away. He was 72. He was gifted with a voice similar to his father's.

Israeli Ex-Mossad Chief Meir Dagan Is No More

Meir Dagan, a former Israeli general and long-time director of its spy agency has died. He was 71. He has directed the Mossad from 2002 to 2011.

Shehnai Exponent Ustad Ali Ahmad Hussain Khan Has Passed Away

Famous Shehnai exponent Ustad Ali Ahmad Hussain Khan has passed away in Kolkata, West Bengal. He was 77.

Paul Daniels, TV Magician, Dies Aged 77

Television magician Paul Daniels has died aged 77 after being diagnosed with a brain tumour.

Anita Brookner, Booker Prize-Winning Author, Dies Aged 87

Anita Brookner, the Booker prize-winning British author and renowned art historian, has died at the age of 87. She won the Booker in 1984 for her novel Hotel du Lac.

AWARDS

Mahatma Gandhi's Granddaughter Tara Gandhi Gets Top French Honour

Mahatma Gandhi's granddaughter Tara Gandhi Bhattacharjee has been conferred with one of France's top honour 'The Order of Arts and Letters' for her contribution in promoting peace, solidarity, culture, education, and development.

Indian Diplomat Amitav Banerji Honoured By Cyprus

An Indian diplomat in the UK, Amitav Banerji has been conferred with one of the highest awards of Cyprus. He was presented with his Commander of the Order of Merit at a ceremony at the Cyprus High Commission.

2016 Pulitzer Prizes Announced

The 2016 Pulitzer Prizes were announced on 18th April in the US. It is an award for achievements in newspaper and online journalism, literature, and musical composition in the United States.

Some of the important winners:

- Breaking News Reporting – Los Angeles Times Staff
- Feature Writing – Kathryn Schulz of The New Yorker

Novak And Serena Bag Top Honours At Laureus World Sports Awards

Tennis stars, Novak Djokovic and Serena Williams have walked away with their third 'Sportsman and sportswoman of the Year'

Laureus World Sports Awards respectively. Both the players, who are at the top of the Tennis rankings have won three Grand Slams last year.

Jammu-born poet Padma Sachdev gets Saraswati Samman

Jammu-born poet and novelist Padma Sachdev has been chosen for the prestigious Saraswati Samman for the year 2015 for her autobiography written in Dogri language.

Aishwarya Rai Won Global Indian of the year Award

Actress Aishwarya Rai Bachchan has won the 'Global Indian of the Year' award. She was honoured at NRI of the Year award function held in Mumbai. The 42 year old actress has dedicated the award to her daughter Aaradhya.

Former Army Chief General JJ Singh Conferred Highest French Civilian Honour

Former Army Chief General (retd) Joginder Jaswant Singh has been conferred with the highest French civilian honour 'Officier de l'Ordre national de la Legion d'Honneur' (Officer of the Legion of Honour).

IIT-Kharagpur Wins Top Award For Patents

The IIT-Kharagpur has won an award the by the Indian government for being the top academic institute for patents in 2016. The institute has been awarded the prize for 'Top Academic Institute for Patents 2016'.

UNESCO/Guillermo Cano World Press Freedom Prize 2016 Received By Khadija Ismayilova

An investigative journalist from Azerbaijan, Khadija Ismayilova has been chosen to receive the 2016 UNESCO/Guillermo Cano World Press Freedom Prize. The Prize will be awarded during the celebration of World Press Freedom Day 3 May 2016 hosted by Finland.

Priyanka Chopra To Be Awarded With Dadasaheb Phalke Film Foundation Award 2016

Dadasaheb Phalke Film Foundation has announced that Priyanka Chopra to be conferred with Dadasaheb Phalke Film Foundation Award 2016 in best actress of the year category.

Priyadarshini Chatterjee Crowned FBB Miss India World 2016

Priyadarshini Chatterjee, a Delhi girl was announced as the winner of FBB Femina Miss India World 2016 at the 53rd edition of the Femina Miss India beauty pageant held in Mumbai. She was crowned by Aditi Arya, who was the Femina Miss India for the year 2015.

Mother Teresa Conferred With Founders Award Posthumously In UK

The Nobel Peace Prize awardee Mother Teresa has been conferred with the UK's prestigious Founders Award this year. The award is given to recognize and reward exemplary achievements of people within the global Asian community.

National Geoscience Awards – 2014 Presented By President

For 2014, Professor Ashok Kumar Singhvi was conferred with the highest honour National Geoscience Award for Excellence for his outstanding contributions in the field of sedimentary technologies. While Dr IndraSekharSen have awarded with Young Scientist Award.

PM Narendra Modi Conferred Saudi Arabia's Highest Civilian Honour

Prime Minister Narendra Modi was conferred Saudi Arabia's highest civilian honour- the king Abdulaziz Sash. The Prime Minister was conferred the prestigious award by King Salman bin Abdulaziz at the Royal Court.

Ranveer Singh to be Feted as 'Maharashtrian of The Year'

Bollywood star Ranveer Singh, who brought alive the role of Maratha warrior Peshwa Bajirao II on the silver screen through Sanjay Leela Bhansali's "Bajirao Mastani", will on Friday be feted with the 'Maharashtrian Of The Year'

P Susheela Mohan Enters Into Guinness World Records

Renowned playback singer P Susheela Mohan has been recognized by the Guinness World Records and Asia Book of Records for singing the most number of songs in Indian languages.

DEFENCE NEWS

Indian Navy to grant permanent commission to women, allow lady officers aboard warships

Breaking the gender barrier, seven women officers of Short Service Commission batch of 2008-09 have been granted permanent commission by Indian Navy. Navy is the last of the three wings of the armed forces in the country to allow permanent commission for women.

India to Purchase 145 M777 Howitzers For US\$ 750 Millions

India is likely to buy 145 M777 Howitzers for \$750 million to equip its Mountain Strike Corps. The decision to buy ultra-light

Howitzers produced by BAE Systems under the 'Make In India' program.

Russia Test-Fires 'Iskander' Tactical Ballistic Missile

A cruise missile of the Iskander tactical missile system has been live-fired from the Kapustin Yar practice range in the southern Astrakhan Region as part of drills, the Central Military District's press office.

Indian Army Conducts Shatrujeet Battle Exercise In Rajasthan

Mathura based Strike 1 Corps is conducting a major battle exercise named as 'Shatrujeet' in the deserts of Rajasthan near to the border of India and Pakistan. The exercise sole purpose is to evaluate the capability of the Indian Army to strike deep into enemy territory in an integrated air-land battle environment.

Pakistan, China begin joint air exercise

Pakistan and China began their fifth joint air exercise, Shaheen-V, at an operational base in Pakistan.

1st Delivery of Russian S-300 Air Defense System Arrives In Iran

Iran's Foreign Ministry officials announced that Russia delivered the first part of the S-300 surface-to-air missile defense system. The S-300 surface-to-air system was first deployed at the height of the Cold War in 1979.

Pakistan successfully test-fires anti-ship 'Zarb' missile

Pakistan Navy has successfully test-fired shore-based anti-ship missile 'Zarb', bolstering its defence mechanism. The missile was launched from a coastal site and successfully hit the surface target in the Arabian Sea.

India jumps to fourth spot in defence spending

India has become the world's 4th largest spender on defence, following a 13.1% increase in its 2016-17 defence budget, according to United states research firm IHS Inc.

India's Defence Lab Develops Thermal imaging Radar To Look Through Walls

In what can prove to be a great aid for the Indian forces in dealing with hostage situations, India's premier government R&D body DRDO has developed radar that can look through a wall. The Through Barrier Imaging Radar, named 'Divyachakshu' (divine eye), has been developed by Defence Research and Development Organisation's (DRDO) Electronics & Radar Development Establishment (LRDE) based in Bangalore and is going through development trials now. It can look through walls

of 20-30 cm thickness made of any material, by using thermal imaging.

Parrikar Flags Off First Indigenous Sonar Dome

India's first indigenous composites sonar dome, a ship's underwater eyes and ears, was flagged off by Defence Minister Manohar Parrikar. Designed and produced by a Defence and Research Development Organisation (DRDO) lab in Pune, the sonar dome is a first of its kind in the country and has been manufactured by a composites manufacturing company.

Reliance Defence, Israel's Rafael to set up missile, air defence JV

Anil Ambani-led Reliance Defence has inked a pact with Israel's Rafael Advanced Defence System to set up a JV in India for specialised areas including air- to-air missiles that will oversee projects worth USD 10 billion (over Rs 65,000 crore) in ten years.

Madhya Pradesh To Get Its First ITBP Modern Weapon Training Centre

Madhya Pradesh is going to have its first Indo Tibetan Border Police weapon training centre at Batiagarh, Damoh. ITBP's Weapon and Support Weapon Training Centre will be the first of its kind in the state and Union Home Minister Rajnath Singh has issued orders to set up in Damoh.

Indian Coast Guard vessel Arnvesh commissioned

The Fast Patrol Vessel (FPV) Indian Coast Guard (ICG) ICGS Arnvesh was commissioned at Visakhapatnam, Andhra Pradesh. The vessel was commissioned by the Flag Officer Commanding-in-Chief of the Eastern Naval Command, Vice-Admiral HCS Bisht. The ship is built by the Cochin Shipyard Ltd (CSL).

RANKS & REPORTS

India Ranked At 133 On World Press Freedom Index

In 2016 World Press Freedom Index (WPF), India ranked 133 out of 180 countries. The index is based on the worldwide survey in terms of press freedom for the year 2015. The index has been topped by Finland (1st).

India Ranked 6th In Top 10 Largest Manufacturers List : UN Report

According to a United Nations Industrial Development Organisation (UNIDO) report, India ranked sixth among the world's top 10 manufacturing countries. Previously, India held the ninth position. The Yearbook, published by the United Nations Industrial Development Organization (UNIDO), found

that in India, the Manufacturing Value Added (MVA) grew by 7.6% in 2015 compared to the previous year. China topped the list as the world's top manufacturing country. The U.S., Japan, Germany and Korea followed China. Indonesia positioned 10th on the list.

India tops Credit Suisse emerging consumers scorecard 2016

Indian consumers remain most optimistic, among nine nations surveyed by Credit Suisse, about their current and future finances and relatively lower inflation expectations. According to Credit Suisse Emerging Consumer Scorecard 2016, India topped the chart, while China and Saudi Arabia shared the second position. In 2015 scorecard also India was at the top position.

India ranks 44 in 2016 Global Connectivity Index, Digital India seen as driver of growth

Huawei has announced its third Global Connectivity Index report during the Global Analyst Summit 2016 in Shenzhen, China. In terms of numbers, United States, Singapore and Sweden top the rankings, while India is ranked 44. The report which measures the progress of 50 nations in investment and deployment of Information and Communications Technology (ICT).

SIPRI released Trends in world military expenditure, 2015 report

The Stockholm International Peace Research Institute (SIPRI) released Trends in world military expenditure, 2015 report. As per the report, while the USA remained as world's biggest spender in 2015, India moved up one spot in the global rankings to reach the sixth position in terms of military expenditure.

Fortune released 2016 World's Greatest Leaders list

Fortune Magazine released the World's Greatest Leaders list. This was the third annual list from the magazine. The list was topped by Amazon founder Jeff Bezos & Delhi Chief Minister Arvind Kejriwal figured in the list at the 42nd position for his contributions towards curbing pollution in one of the most polluted cities in the world.

The leaders who were on top of the list:

- 1) Jeff Bezos [CEO, Amazon]
- 2) Angela Merkel [Chancellor, Germany]
- 3) Aung Saan Suu Kyi [Leader, National League for Democracy]

UNSDN released 2016 World Happiness Report

The United Nations Social Development Network (UNSDN) released World Happiness Report (WHR) 2016 in Rome. According to the report, Denmark topped the list as the happiest place in the world, while Burundi was ranked at the bottom as

the least happy nation. In the report, India was ranked 118th out of 156 countries.

SCIENCE AND TECHNOLOGY

ISRO Create World's Lightest Stuff

Indian scientists have come up with an innovative way of keeping our soldiers warm in the freezing temperatures of Siachen. A team of scientists at Vikram Sarabhai Space Centre in Thiruvananthapuram, India's premier rocket lab have created the world's lightest material called silica aerogel or blue air.

Supercomputer Param Kanchenjunga Unveiled At NIT Sikkim

The National Institute of Technology (NIT) Sikkim has unveiled the Supercomputer Param Kanchenjunga. NIT Sikkim is said to be the most powerful and fastest among all the 31 National Institute of Technology's. The supercomputer, named 'Param Kanchenjunga', was formally unveiled by Sikkim Governor Shrinvas Patil at the NIT Sikkim campus at Ravangla in South Sikkim District.

HP Unveils World's Thinnest Laptop

American multinational information technology company HR Inc (Hewlett-Packard) has launched eight new personal products including the world thinnest laptop. The laptop is having 10.4 mm thickness. According to the company 'Spectre' is the world's thinnest laptop and has a battery life of up to nine and a half hours.

ISRO Sign An MoU With The Airport Authority Of India

Indian Space Research Organization (ISRO) signed an MoU with the Airports Authority of India (AAI) to provide scientific parameters for construction of airports. As per this MoU, DoS will provide data on the landscape around the airports.

PM Modi And Belgian PM Charles Michel Launch Asia's Biggest Telescope

Asia's biggest telescope has been launched by Prime Minister Narendra Modi and Belgian Prime Minister Charles Michel. This is built by the Aryabhata Research Institute of Observational Sciences (ARIES) with the assistance of Belgian. The telescope has been located at a height of 2,500 metres at Devasthal in Nainital district.

ISRO TO Launch 22 Satellites In Single Mission

The Indian Space Research Organisation (ISRO) is set to script history by launching a record number of 22 satellites in a single

mission in May 2016. This will include a number of micro and nano ones from foreign countries. This mission will flag off from Satish Dhawan Space Centre at Sriharikota.

ISRO Has Established GIRI Radar System In Andhra Pradesh

The Gadanki Ionospheric Radar Interferometer (GIRI) has been set up at the National Atmospheric Research Laboratory (NARL) near Tirupati in Andhra Pradesh by The Indian Space Research Organisation (ISRO).

Chinese researchers introduced Graphene to develop all-weather solar cell

Chinese researchers introduced a new approach for making an all-weather solar cell that can generate electricity even during rains. The cell will use 'wonder material' graphene.

SpaceX successfully landed its rocket on a floating drone ship for the first time

American aerospace company SpaceX achieved the historic feat of successfully launching and landing Falcon 9 rocket. The rocket landed on a drone ship at sea after being launched into space. This was the first time that the company succeeded in landing the rocket in Ocean.

NASA astronomers discovered Supermassive Black Hole weighing 17 billion Suns

The astronomers at National Aeronautics and Space Administration (NASA) discovered a supermassive Black Hole which weighs about 17 billion times the mass of Sun.

Low cost and environment-friendly solar lighting device, Solar Jyoti, launched

Union Government launched the low cost micro solar device, Surya Jyoti. The solar dome would help rural and urban population to have a reliable access to electricity. The device would light up homes without electricity and save millions of units of power.

China launched 22nd BeiDou navigation satellite

China launched its 22nd satellite for its BeiDou Navigation Satellite System (BDS). The satellite was launched aboard a Long March-3A carrier rocket from the Xichang Satellite Launch Center in the southwestern province of Sichuan.

ISRO established GIRI Radar System at Tirupati

The Indian Space Research Organisation (ISRO) established the Gadanki Ionospheric Radar Interferometer (GIRI) near Tirupati in Andhra Pradesh. It was set up at the National Atmospheric

Research Laboratory (NARL) which is an autonomous research institute of the Department of Space.

INTERNATIONAL NEWS

IMF, WB, UN And OECD Form New Group To Stop Tax Erosion

The International Monetary Fund (IMF) and World Bank has stated that they are going to join forces with other international organizations to cooperate on tax issues and develop new tools and standards to halt tax base erosion and evasion. This new group will also include the United Nations and the Organization for Economic Cooperation and Development.

Emirates Airline Continues Long Standing Relationship with ICC

The International Cricket Council (ICC) and Emirates have renewed a deal for an additional seven years which sees the Dubai-based airline become a global partner for all events from 2016-2023.

India, US to collaborate on tackling offshore tax evasion

India and the US have agreed to enhance collaboration on tackling offshore tax evasion and increase cooperation in sharing of cross-border tax information.

World Bank and AIB Sign First Co-Financing Framework Agreement

World Bank Group President Jim Yong Kim and Asian Infrastructure Investment Bank President Jin Liqun signed the first co-financing framework agreement between the two institutions. The agreement outlines the co-financing parameters of World Bank-AIIB investment projects, and paves the way for the two institutions to jointly develop projects this year.

India was world's largest remittance recipient in 2015

India remained the world's largest recipient of remittances from abroad in 2015, despite a \$1 billion drop from the previous year, the first such decline since 2009. According to World Bank report India retained its top spot in 2015, attracting about \$69 billion in remittances, down from \$70 billion in 2014.

Nauru becomes 189th member of IMF, World Bank

Tiny South Pacific island nation Nauru has become the 189th member of the International Monetary Fund (IMF) and the World Bank i.e. Bretton-Woods institutions. Nauru applied for membership in the Washington-based IMF and World Bank in

April 2014, after joining the United Nations in 1996 as the world's smallest independent republic.

Panama Papers : India To Attend OECD Meet In Paris

India took part in a special meeting of the Organisation for Economic Co-operation and Development (OECD) in Paris to firm up cooperation between countries in the wake of the 'Panama Papers' leak. The GOI has decided to participate after it has received the invite from the Paris-based body.

Kyrgyzstan Prime Minister Temir Sariyev resigns

Kyrgyz Prime Minister Temir Sariyev resigned after a parliamentary commission accused his cabinet of corruption, a move highlighting tensions between different factions of President Almazbek Atambayev's supporters.

Maharaja Ranjit Singh's Statue To Be Installed In France

The statue of Maharaja Ranjit Singh will be installed in France's Saint-Tropez town. The town is the birth place of Army General Jean-Francois Allard.

Saudi Arabia And Egypt To Build Bridge Across Red Sea

Saudi Arabia's King Salman has announced an agreement with Egyptian President Abdul-Fattah al-Sisi to build a bridge over the Red Sea connecting the two countries. The announcement made on the second day of visit of Saudi Arabia's King to Cairo.

The name given to this bridge after the Saudi king is King Salman bin Abdel Aziz Bridge.

\$200-mn Pact Inked To Study TAPI Project

Shareholders of the Turkmenistan- Afghanistan-Pakistan-India (TAPI) Pipeline Company Limited signed an agreement to invest \$200 million in studies and engineering for the \$10 billion project to transport natural gas to energy-hungry countries like India.

Germany To Give € 500 m Loan To Nagpur Metro

Germany's Development Bank KfW will provide a loan assistance of €500 m (Rs. 3,750 crore) for metro system in Nagpur city. The loan period is 20 years with a moratorium of five years and disbursement will be based on the progress of the project over three years.

Philippines Launches World's First Mass Dengue Vaccination

The world's first public dengue vaccination programme was launched in the Philippines as nurses began injecting the first batch of a million children with a French drug to combat the

sometimes deadly disease. Dengvaxia, developed by the French pharmaceutical company Sanofi Pasteur, obtained its first license in Mexico in December 2015 for use in individuals aged 9 to 45.

Pakistan Sikh body elects caretaker president

Pakistan's Sikh religious body elected Tara Singh, caretaker president after its first chief Sham Singh died. He was elected the caretaker "pardhan" at a meeting of the Pakistan Sikh Gurdwara Parbandhak Committee.

LeEco to invest \$10 mn on cloud infra; will set up CDNs across 10 cities

Chinese smartphone maker LeEco announced it would invest \$10 million (roughly Rs. 66 crores) to set up in-house Cloud and Content Delivery Networks (CDNs) in 10 cities across India by end of this year.

Arun Jaitley Launches 'Make In India' Conference In Sydney

Finance Minister Arun Jaitley has launched Make in India conference in Sydney and asked Australian businesses to be the part of India's growth story.

UNICEF Launches "Unfair Tales" Of Refugee And Migrant Children

UNICEF launched a series of animated films to help frame positive perceptions towards the tens of millions of children and young people on the move globally, Called Unfair Tales, the three animations – true stories of the flight of children from conflict – explain the horror behind why they fled.

World Bank approves US\$100 million in financing to create 100,000 jobs for Jordanians

The long-term loan, almost interest free by World Bank of \$100 million loan is given to Jordan for job creation, comes after Lebanon was also awarded \$100 million to ensure universal school enrolment for Lebanese and Syrian refugee children by 2017.

US museum returns 10th century Rama statue to Cambodia

United States returned an ancient decapitated statue of Hindu god Rama stolen from Cambodia during the South East Asian country's civil war in the 70s. The sandstone Torso of Rama statue was formally handed over at a ceremony in Phnom Penh.

China Launches First Cyber Security Organization

China has launched its first cyber security public organization aimed at better safeguarding national cyber security and guiding

Internet companies in perform their duties. It consists of academic institutes, individuals and internet companies including Tencent and popular internet Security Company Qihu 360.

Iran signs oil contract with France's Total

Iran signed a confidential oil agreement with France's Total to develop the South Azadegan oil field shared by Iran and Iraq, Iran's Oil Minister Bijan Namdar Zangeneh said.

Nepal becomes Shanghai dialogue partner

After a long wait, Nepal has officially become a dialogue partner of the Shanghai Cooperation Organisation with the signing of a memorandum.

India's Agasthyamala Listed Among 20 World Biosphere Reserves

India's "unique" Agasthyamala Biosphere Reserve in the Western Ghats is among 20 new sites added by the UN's top cultural body UNESCO to its World Network of Biosphere Reserves. The International Co-ordinating Council by adding the new sites, bringing the total number of biosphere reserves to 669 sites in 120 countries, including 16 trans-boundary sites.

Nepal Inks Transit Treaty With China, To Have First Rail Link

China agreed to a request of Nepal Prime Minister K.P. Sharma Oli to build a strategic railway link between the two countries through Tibet to reduce his land-locked country's total dependence on India.

SUMMITS

PM Inaugurated 3rd Asia Ministerial Conference On Tiger Conservation

The three day 3rd Asia Ministerial Conference on the Tiger Conservation inaugurated by Prime Minister Narendra Modi in New Delhi.

14th Meeting of Foreign Ministers Of India, Russia And China Held In Moscow

The 14th meeting of the Foreign Minister of the Russian Federation, The Republic of India and the People's Republic of China was held in Moscow, Russian Federation.

G7 Foreign Ministers' Meet Held In Hiroshima

The G7 Foreign Ministers' Meeting is one of the ministerial meetings that held in advance of the G7 Summit in Hiroshima. It

is the first of ten related ministerial meetings held leading up to the Ise-Shima Summit. The Ise-Shima Summit will be held on May 26 and 27, 2016 in Ise City, Mie Prefecture.

The 13th Islamic Summit Conference concluded in Istanbul

The 13th session of the Islamic Summit Conference was concluded in Istanbul, Turkey. The Islamic Summit was held under the theme Unity and Solidarity for Justice and Peace.

North East-ASEAN Business Summit concluded in Imphal

The first-ever three-day North East-ASEAN (Association of Southeast Asian Nations) Business Summit concluded at the City Convention Centre in Imphal, Manipur. It was held from 7 April to 9 April 2016. It was organised with an aim to attract investment from both domestic and foreign firms to the North-East states of India.

National Summit on Family Planning 2016 concluded in New Delhi

The National Summit on Family Planning concluded on 5 April 2016 in New Delhi. The summit was held for two days with the theme New Choices, New Horizons.

International Conference on Zero held in Paris

International Conference on Zero was held at UNESCO headquarters in Paris, France from 4 April – 5 April 2016. It was hosted by the permanent delegation of India to UNESCO along with Pierre and Marie Curie University.

Nuclear Security Summit 2016 concluded in Washington DC

The 2016 Nuclear Security Summit concluded on 1 April 2016 at the Walter E. Washington Convention Center, Washington, D.C., United States. The summit was attended by over 50 World leaders, including Prime Minister Narendra Modi.

13th India-EU Summit held in Brussels

The 13th India-European Union Summit was held on 30 March 2016 in Brussels, Belgium. In the summit, India was represented by the Prime Minister Narendra Modi.

8th BRICS Summit to be held in Goa

External Affairs Minister Sushma Swaraj on 22 March 2016 announced that India will host the 8th BRICS (Brazil, Russia, India, China and South Africa) Summit from 15 October to 16 October 2016 in Goa.

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Prime Minister Narendra Modi Inaugurated Maritime India Summit 2016

Prime Minister of India Mr. Narendra Modi has inaugurated the two days Maritime India Summit 2016 (MIS 2016). This is India's first ever Maritime Summit and the flagship event organised by Union Ministry of Shipping held at the Bombay Convention and Exhibition Centre in Goregaon, Mumbai. South Korea is the partner country for the summit.

Arun Jaitley to inaugurate National Community Radio Sannelan in New Delhi

Information and Broadcasting Minister Arun Jaitley will inaugurate the 6th National Community Radio Sannelan in New Delhi. The theme of the conference is, 'Community Radio in India: Towards Diversity and Sustainability'.

AROGYA Fair held in Goa

The 4 days National AROGYA fair started from 26 March in Goa. The fair was organised by AYUSH Ministry and Confederation of Indian Industry.

IMPORTANT DAYS

World Book and Copyright Day observed

World Book Day is an annual event celebrated every year by the people all over the world on 23rd of April. It is the most important event organized annually by the UNESCO.

International Mother Earth Day observed across the world

The International Mother Earth Day was on 22 April 2016 observed across the world with the theme 'Trees for the Earth'. This year's theme sets the goal of planting 7.8 billion trees over the next five years.

International Day for Monuments and Sites observed

International Day for Monuments and Sites traditionally called World Heritage Day was observed across the world on 18 April 2016 with theme 'The Heritage of Sport'.

World Haemophilia Day 2016 observed

World Haemophilia Day was observed globally on 17 April 2016 with theme Treatment for all is the vision of all.

World Homoeopathy Day observed

World Homoeopathy Day was observed on 10 April 2016 and it was organised by India. The day commemorates the birth anniversary of Dr. Samuel Hahnemann, a German Physician.

7th April : World Health Day

7th April is celebrated each year globally as World Health Day under the sponsorship of the World Health Organization (WHO). This time the themes of World Health Days for 2016 is Halt the rise: beat diabetes.

5th April : National Maritime Day

5th April is marked as the National Maritime Day of India to commemorate the sailing of India's first steamship Loyalty on April 5th 1919 from Mumbai to London. But from 1964 the day has been observed as National Maritime Day and all major ports observe this day celebrating India's seafaring traditions and journeys.

2nd April : World Autism Awareness Day

World Autism Awareness Day is an internationally recognized day on the 2nd of April every year. This year the theme is "Autism and the 2030 Agenda: Inclusion and Neurodiversity".

30th March: National Doctor's Day

Every Year 30th March is observed as National Doctors' Day. The first Doctor's Day was observed on March 30, 1933 in Winder, Georgia.

But in India, Doctor's Day is celebrated July 1 to honour Bharat Ratna recipient physician Dr Bidhan Chandra Roy, who was the first chief minister of West Bengal.

World Tuberculosis Day: 24 march

World TB Day which is observed on March 24th each year, is designed to build public awareness that tuberculosis remains an epidemic in much of the world, causing the deaths of nearly one-and-a-half million people each year, mostly in developing countries.

This year theme was - "Unite to End TB".

23rd March: World Meteorological Day As well As Martyrs Day In India

World Meteorological Day is celebrated every year on 23 March to commemorate the entry into force in 1950 of the convention that created the World Meteorological Organization.

Martyrs Day (Sarvodaya Day or Shaheed Diwas) in India

Martyrs Day (Sarvodaya Day or Shaheed Diwas) in India would be celebrated on 30th of January and 23rd of March.

The 23rd of March is declared as the Martyrs day in India to remember the sacrifice and pay homage to the Bhagat Singh, Shivaram Rajguru and Sukhdev Thapar.

World Switches Off Lights To Observe Earth Hour

The tenth edition of the Earth Hour was observed globally on 19 March 2016 from 8:30 pm to 9:30 pm local time.

Earth Hour is a global environmental movement with a simple message to switch off non-essential lights for one hour on the last Saturday of March between 8:30 and 9:30 pm.

22nd March: World Water Day

United Nations World Water Day is an international observance held every March 22 that provides an opportunity to learn more about water related issues and take action on a current or future challenge to make a difference. This year's theme was 'Water and Jobs'.

21st March: World Forestry Day

World Forestry Day or International Day of Forests is celebrated worldwide every year on 21st of March. The theme of the 2016 International Day of Forests is "forests and water".

International Day of Human Space Flight on 12th April

International Day of Human Space Flight was observed on 12 April 2016. The day is celebrated to commemorate Soviet Cosmonaut Yuri Gagarin's journey into outer space.

World Homoeopathy Day on 10th April

World Homoeopathy Day was observed on 10 April 2016 and it was organised by India. The day commemorates the birth anniversary of Dr. Samuel Hahnemann, a German Physician.

April 8 is celebrated as International Roma Day

International Roma Day was celebrated on 8 April 2016 across Organization for Security and Co-operation in Europe (OSCE). On this day the Roma from all over the world pay respect to the Roma victims during the World War II.

International Day of Sport for Development and Peace 2016 observed

The International Day of Sport for Development and Peace (IDSDP) 2016 was observed across the world on 6 April 2016.

International Day of Mine Awareness and Assistance in Mine Action observed

International Day of Mine Awareness and Assistance in Mine Action was observed on 4 April 2016 across the world. The theme of the year 2016 is Mine Action is Humanitarian Action.

World Theatre Day 2016 observed globally

The International Theatre Institute (ITI) Centres and the international theatre community across the world celebrated

the World Theatre Day (WTD) on 27 March 2016. It was initiated in 1961 by the ITI.

International Day of Remembrance of the Victims of Slavery and Transatlantic Slave Trade 2016 observed

International Day of Remembrance of the Victims of Slavery and the Transatlantic Slave Trade 2016 was observed globally on 25 March 2016. The theme for the year 2016 is Remember Slavery: Celebrating the Heritage and Culture of the African Diaspora and its Roots.

COMMITTEES IN NEWS

Centre Constitutes BB Tandon Committee to Monitor Government Advertisements

Information and Broadcasting Ministry has constituted a three-member panel, headed by former Chief Election Commissioner (CEC) BB Tandon, to see that guidelines set for government advertisements by the Supreme Court are followed. Senior TV journalist Rajat Sharma and ad-man Piyush Pandey will be the other members of the committee.

Madhukar Gupta committee constituted to suggest ways to strengthen security along Indo-Pak border

The Union Government constituted a high-level committee to suggest ways to strengthen the border protection along the border with Pakistan. It will also address the issue of gaps and vulnerability in border fencing along Indo-Pakistan border. The committee will be headed by former Home Secretary Madhukar Gupta and will submit its report in three months.

Ashok Lahiri Committee constituted to review excise duty imposed on different jewellery articles in Budget 2016-17

The Union Ministry of Finance on 21 March 2016 constituted a Sub-Committee under the aegis of the High Level Committee (HLC) to review issues related to excise duty. The committee will be headed by former Chief Economic Advisor Dr Ashok Lahiri and will review excise duty imposed on different jewellery articles in Budget 2016-17.

Akhilesh Ranjan Committee on Taxation of E-Commerce submitted report to Union Government

A Committee on Taxation of e-commerce constituted by the Central Board of Direct Taxes (CBDT) to examine the business models for e-commerce submitted its report on 21 March 2016.

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SPORTS NEWS

BCCI To Host First Day-Night Test Against New Zealand This Year

In order to raise the ever diminishing number of spectators in the stadium, the BCCI is all set to host its first-ever day and night cricket Test with the pink ball when New Zealand tour India.

Hong Kong's Irfan Ahmed suspended for two years and six months

The International Cricket Council (ICC) announced that it has suspended Hong Kong all-rounder Irfan Ahmed for two years and six months after he admitted to breaching the ICC Anti-Corruption Code.

Jitu Rai Finishes Sixth At Shooting World Cup

Pistol ace Jitu Rai of India finished sixth in the men's 50m pistol event on day five of the International Shooting Sport Federation (ISSF) World Cup.

FIH promotes Durga Thakur to international outdoor umpire after Hawke's Bay Cup

India's Durga Thakur has been promoted to international outdoor umpire by the International Hockey Federation (FIH) following her good performance at the recently-held Hawkes Bay Cup in Hastings, New Zealand.

Rafael Nadal beats Monfils for record ninth Monte Carlo title

Rafael Nadal needed nearly three hours to defeat Gael Monfils 7-5, 5-7, 6-0 and win a record ninth title at the Monte Carlo Masters. The Spaniard claimed his first trophy in the Principality since 2012 as he played in his 100th final and tenth in Monte Carlo.

Dipa Karmakar, first Indian woman gymnast to seal Olympics berth

Tripura's young sports star Dipa Karmakar has been qualified for the Rio Olympics 2016, being the first Indian gymnast to qualify for it. Dipa Karmakar is a 22 years old gymnast from Tripura, NE India.

Nico Rosberg wins Chinese GP for sixth straight Formula 1 victory

Nico Rosberg claimed a dominant win in an action-packed Formula One Chinese Grand Prix to extend his championship lead over Mercedes team mate Lewis Hamilton, who battled up to seventh with some feisty driving after starting last.

Sri Lanka's Rangana Herath retires from ODIs, T20Is

Sri Lanka spinner Rangana Herath has retired from 50-over and Twenty20 internationals in order to carry on playing test matches.

S S Chawrasia wins Hilton Asian Tour Golfer of the Month

India's Shiv Shankar Prasad Chawrasia, who honoured as the Hilton Asian Tour Golfer of the Month for March 2016 in Sentosa, Singapore.

Serena Williams Maintains Top Spot: WTA Rankings

American tennis star Serena Williams kept her lead in the women's rankings, while Polish Agnieszka Radwanska returned to the second place.

Danny Willett Won US Masters Golf 2016 Championship

Danny Willett has won the US Masters Golf Championship for the year 2016 at Augusta National Golf Club in Augusta, Georgia. With this he, became the first Briton to win the US Masters since Nick Faldo in 1996. He grabbed the title after defeating defending champion Jordan Spieth.

Anthony Joshua Won International Boxing Federation Title

Anthony Joshua has won the International Boxing Federation heavyweight title for the year 2016. He knocked out Charles Martin in the second round at the O2 Arena in London.

Lee Chong Wei Has Won Malaysian Open 2016

Malaysia's badminton maestro Lee Chong Wei has defeated China's Chen Long to win Malaysian Open 2016 in men's singles title at the Malawati Stadium in Shah Alam, Malaysia. He has beaten China's world No. 1 Chen Long a.

Kansai Nerolac Ties Up With Gujarat Lions For IPL

Kansai Nerolac Paints Ltd (KNPL) has signed up with the Gujarat Lions franchise as associate sponsor for the ninth edition of the Indian Premier League. Gujarat Lions is captained by Suresh Raina.

Mother Dairy Partners Delhi Daredevils As Principal Sponsor

Mother Dairy, an Indian FMCG company has partnered with Indian Premier League (IPL) cricket team Delhi Daredevils as its principal sponsor.

Viswanathan Anand to be feted with Hridaynath Award

5 times world chess champion Viswanathan Anand will be honoured with the Hridaynath Award, which felicitates and recognises successful individuals across the country from various walks of life. The honour will be a cash award of Rs 2 lakh and a memento.

Sarfraz Ahmed replaces Shahid Afridi as Pakistan's T20 captain

Wicketkeeper batsman Sarfraz Ahmed has been named Pakistan's Twenty20 captain, the Pakistan Cricket Board (PCB) announced. The 28-year-old takes over the reins from Shahid Afridi, who resigned after a disastrous World T20 campaign.

Kenya's Kotut and Jepkesho win Paris Marathon

Kenya's Cyprian Kotut claimed a double in the French capital within a month when he won this year's Paris Marathon in personal best of 2 hours, 07 minutes and 13 seconds.

Miami Open Title 2016 Won By Novak Djokovic

World No.1 tennis player Novak Djokovic from Serbia has won the 2016 Miami Open Title in the men's singles category. In the final he defeated Kei Nishikori (Japan) by 6-3, 6-3 score.

Australia pacer Clint McKay announces retirement from international cricket

Australian pacer Clint McKay has announced his retirement from international cricket after his first-class team Victoria Bushrangers won the Sheffield Shield tournament.

Virat Kohli rises to top in ICC T20I rankings

Indian Test Captain Virat Kohli kept his Performance at the top helped his side into the semifinals of the World Twenty20 after defeating Australia, has replaced Aaron Finch as the number one batsman in the latest ICC T20 rankings.

Sergey Karjakin Won 2016 World Chess Candidates Tournament

Sergey Karjakin the Russian grandmaster has won the FIDE World Chess Candidates Tournament held in Moscow.

Hockey India Annual Awards : Sreejish And Deepika Won Hockey Player Of The Year

Deepika and PR Sreejesh has won the Dhruv Batra Player of the Year Award for Women and Men respectively at the Hockey India (HI) Annual Awards. The award has been given in the 2nd Hockey India Annual Awards ceremony for 2015.

Australia's Shane Watson Retired from International Cricket after World Twenty20

Veteran Australian all-rounder Shane Watson has announced today that he would retire from international cricket at the end of the ongoing World Twenty20 tournament in India. He is 34 year old.

Gurmeet Singh becomes 1st Indian to win Asian 20km Race Walk Championships

Gurmeet Singh created history by becoming the first Indian athlete to clinch a gold medal in the Asian 20km Race Walk Championships as he won the men's event with his season's best effort.

Bangladesh Bowlers Taskin And Sunny Suspended By ICC

Bangladesh left-arm spinner Arafat Sunny and pacer Taskin Ahmed have been suspended from bowling international cricket council with immediate effect after an independent assessment found their bowling actions to be illegal.

Wrestler Yogeshwar Dutt Bags Olympics Berth

India star wrestler Yogeshwar Dutt secured an Olympic quota place for India with a gold-medal finish in the men's 65kg freestyle category on an otherwise disappointing day for the country's grapplers in the Asian Olympic Qualification tournament in Astana, Kazakhstan.

UN Suspended Maria Sharapova As Goodwill Ambassador After Doping Allegations

Maria Sharapova has been hit with a blow likely to prove every bit as stinging as the loss of lucrative endorsement contracts. A week after her admission of failing a drugs test in January, she was suspended as a goodwill ambassador by the United Nations.

SCHEMES

Narendra Modi launches village self-governance campaign

Prime Minister Narendra Modi launched the Gramodaya se Bharatodaya Abhiyan (village self-governance) campaign on the occasion of the 125th birth anniversary of Dr BR Ambedkar. The main aim of the Campaign is to spread awareness about the various schemes that the Centre has launched keeping rural India in mind.

Cabinet announces Mufti Sayeed Food Entitlement Scheme to supplement NFSA

In a major welfare initiative, the Cabinet approved launch of Mufti Mohammad Sayeed Food Entitlement Scheme (MMSFES) to supplement the National Food Security Act (NFSA). Under this

scheme, all those persons who are covered under the State's public distribution system will get additional 5 kgs of ration per person in addition to 5 kgs of ration they are entitled to get under NFSA.

ICICI bank Awas Yojana Loans at subsidized rates of 6.5 %

The ICICI bank has planned a scheme to provide millions of Indian, their own dream house, which currently they cannot afford right now. Under this scheme, the ICICI will provide easy housing loans with low interest rates and easy options of EMI. Under this scheme, the ICICI will provide housing loans at subsidized rates of 6.5 % annually for the loan amount of Rs. 6 lakh (maximum). This subsidy will be credit linked. This housing loan will be provided along with the partnership with National Housing Bank, which will administer the entire housing project. And the maximum loan tenure to get the subsidy is 15 years.

"Vidyut Pravah" App Launched By Piyush Goyal

The mobile application 'Vidyut Pravah' has been launched by Mr. Piyush Goyal, the minister of state (Independent Charge) for Power, coal, new and renewable energy, to empower Common People to Demand 24x7 Power from The States. The app will provide data pertaining to market price of power from power exchange, value of current all India demand in GW and all India and State shortage including peak hour and total energy shortage.



Dr. Najma Heptulla Launches Innovative Entrepreneurship & Skill Development Programme Of MANAS

Dr. Najma Heptulla, the Union Minister for Minority Affairs launched innovative entrepreneurship and skill development programme of Maulana Azad National Academy for Skills (MANAS)– through leading national/ international experts in different skill sets in New Delhi.

Govt launches carpool app

Days before the second phase of the odd-even anti-traffic scheme which begins from April 15, the government launched 'PoochhO Carpool app' to help people explore carpooling options during the 15-day car-rationing exercise.

Piyush Goyal Launches "Deep" E-Bidding & E-Reverse Auction Portal"

The government has replaced the conventional tendering process for power purchase by state power distributors with an e-bidding platform named DEEP in an attempt to make the bidding more efficient and transparent by bringing power procurement contract details to the public domain. The Discovery of Efficient Electricity Price (DEEP) e-bidding reverse auction portal for now will cover short-term power purchase of less than a year.

Jharkhand Government launched Bhimrao Ambedkar Awas Yojana For Widows

Raghubar Das, the Chief Minister of Jharkhand has launched the "Bhimrao Ambedkar Awas Yojana" for widows on the 125th birth anniversary of B R Ambedkar. The objective of the scheme is to create equality and harmony in society, ensuring all round development. The scheme has a target to build 11,000 houses for the current financial year with a budget allocation of Rs. 80 Crore.

PM Narendra Modi Launched National Agriculture Market Portal 'eNAM'

Prime Minister Narendra Modi has launched the India's first electronic trading portal eNAM for National Agriculture Market to connect e-mandis in several States and to allow farmers to sell their goods across the country. The eNAM aims to improve livelihoods of struggling growers and boosting the rural economy. Currently this portal will facilitate the trading of commodities in 21 markets from 8 States. Those 8 States are Haryana, UP, MP, Chattisgarh, Gujarat, Karnataka, Himachal Pradesh and Telangana.

PM Narendra Modi Launches Kisan Suidha App For Farmers

The new mobile app—Kisan Suidha—launched by Prime Minister Narendra Modi will prove helpful for farmers to get the basic information like weather updates, crop prices and expert advice, but for this they must own a smartphone.

The app has a simple interface and provides information on five critical parameters—weather, input dealers, market price, plant protection and expert advisories. An additional tab directly connects the farmer

with the Kisan call centre where technical graduates answer their queries.

Union Water Resources Ministry implementing its flagship programme Jal Kranti Abhiyan

The Union Water Resources, River Development and Ganga Rejuvenation Ministry is implementing its flagship programme Jal Kranti Abhiyan. The purpose is to create awareness among common people about the conservation of water. In Himachal Pradesh also several steps are being taken by monitoring agency, the Central Water Commission under this programme.

Pradhan Mantri Awas Yojana Housing for All 2022 Scheme

The much awaited Pradhan Mantri Awas Yojana has been launched by the Prime Minister Narendra Modi that envisages the vision of Housing for All by the year 2022. The government of India had earlier launched 'Housing for All' scheme, which has now been reformed as Pradhan Mantri Awas Yojana. This scheme comes with an aim of constructing more than 2 Cr. houses across the length and breadth of the nation within a span of next seven years. This means the scheme which is started in year 2015 would conclude successfully in the year 2022.

MISCELLANEOUS**World's Largest 'Charkha' To Be On Display At IGI Airport**

The World's largest wooden Charkha (spinning wheel) is planned to be installed at Terminal 3 of the Indira Gandhi International Airport in New Delhi. This Charkha is ready for dispatch from a unit of Khadi and Village Industries Commission (KVIC) in Ahmedabad.

Rotavirus Vaccine Can Help Reduce Infant Mortality Rate

The government launched the vaccine for Rotavirus vaccine as part of Universal Immunization Programme to prevent child mortality due to Rotavirus diarrhoea. The vaccine, developed indigenously under a public-private partnership by the science and health ministries, is also a landmark achievement under the Prime Minister's "Make in India" initiative.

Bike-sharing service Uber MOTO launched in Gurgaon

Uber has launched their bike-sharing initiative in Gurgaon. The UberMOTO option on the app will now let their customers call a scooter or bike via the app. The base fare for the ride is Rs 15 and charges Rs 3 per kilometer. The service isn't just cheaper than most alternatives, but also less polluting and quicker.

Union Government released Commemorative Coin and Circulation Coin on Taty Tope

Union Minister for Culture and Tourism and Civil Aviation Mahesh Sharma released a Commemorative Coin of 200 rupees and a Circulation Coin of 10 rupees to mark the Martyrdom Day of Taty Tope.

IGNCA board reconstituted, Ram Bahadur Rai appointed chairman

After Nehru Memorial Society, the Modi government reconstituted the management of Indira Gandhi National Centre for the Arts (IGNCA) bringing in veteran Hindi journalist Ram Bahadur Rai as its head in place of Chinmaya Gharekhan, a former diplomat.

Varanasi Kathak Dancer Breaks World Record



Soni Chaurasia, A Kathak dancer from Varanasi has broken the world record of longest dance performance by continuously dancing for 123 hours and 30 minutes. It was previously held by Kerala's Hemlatha.

Asia's 50 Most Powerful Businesswoman List Topped By Nita Ambani

American magazine Forbes has released 2016 "Asia's 50 Power Businesswomen" list featuring business women from 14 countries. According to list, 8 Indian women have made their mark in the list of 50 women leaders which is topped by Reliance Foundation Chairperson Nita Ambani and Arundhati Bhattacharya, Chairman of State Bank of India who ranked second.

Pallavi Fauzdar Becomes 1st Solo Woman To Ride Across Mana Pass

Agra Biker Pallavi Fauzdar, became the first solo woman to ride across the Mana Pass in Uttarakhand and made a record in the Limca Book.

Simhashta Kumbh Mela 2016 Begins In Ujjain

The month-long Simhashta Kumbh Mela, largest congregation of Hindus, began in Ujjain from 22 April. Large number of people have converged in the holy city for the mela, held after a gap of every 12 years at Ujjain, which is also the abode of Lord Mahakaleshwar, one of the 12 Jyotirlingas in the country.

Three Day Curtain Raiser International Yoga Fest Inaugurated By Shri Shripad Yesso Naik

A Curtain Raiser for International Day of Yoga-2016 was inaugurated by the Minister of State for AYUSH (Independent Charge) and Health & Family Welfare, Shri Shripad Yesso Naik in New Delhi.

VISITS

Union Minister Dr. Harsh Vardhan Visit To Nagaland

Union Minister for Science & Technology and Earth Science Harsh Vardhan is on a 2 days inaugural visit to Nagaland. During the visit, he inaugurated the Department of Biotechnology (DBT) funded biotech infrastructure facility (BIF) at ICAR-National Research Centre on Mithun (ICAR-NRCM), Jharnapani, Medziphema, Nagaland.

Petroleum Minister Visit To Bangladesh

Minister of State for Petroleum & Natural Gas, Dharmendra Pradhan is on a three day visit to Bangladesh from 17th to 19th of April, 2016. The visit is to take stock of the ambitious agenda set for the India-Bangladesh Hydrocarbon Sector during the visit of Prime Minister, Shri Narendra Modi to Bangladesh in June 2015.

Prince Harry Begins 5-day Trip To Nepal

Britain's Prince Harry reached Kathmandu on a five-day visit to Nepal to mark the 200th anniversary of the bilateral ties.

Obama Embarks On Historic Cuba Visit

US President Barack Obama embarked on a historic trip to Cuba more than a year after Washington reset its foreign policy towards the island following decades of Cold War animosity that almost led to a nuclear war.

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ONE STOP PORTAL FOR THE CURRENT AFFAIRS

Handy Notes Advanced Mathematics : Mixture and Alligation

Mixtures are generally two types.

i). **Simple mixture:** When two different ingredients are mixed together

ii). **Compound mixture:** when two or more simple mixture are mixed together to form another mixture, it is known as a compound mixture.

Alligation: Alligation means linking; it is the rule that enables us to find the ratio in which two or more ingredients at the given price must be mixed to produce a mixture of desired price.

Mean Price: The cost of a unit quantity of the mixture is called the mean price.

Let us try to understand the concept of mixture with an example.

Example: A shopkeeper has two varieties of wheat with him. One of them costs Rs. C_1 per kg while the other costs Rs. C_2 per kg. The shopkeeper mixes them in the ratio $a : b$. What will be the price of the mixture per kg?

Solution: The weighted average of the prices of the two varieties of wheat will give the price of the mixture (C)

$$c = \frac{ac_1 + bc_2}{a+b} \dots\dots\dots(i)$$

We can re-write the formula in (i) above as follows:

$$\frac{a}{b} = \frac{c_2 - c}{c - c_1}$$

This leads us to the concept of Alligation which gives the relationship between prices and quantities of various types of an item in a mixture.

The above rule can be described as follows:

$$\frac{\text{Quantity of cheaper item}}{\text{Quantity of dearer item}} = \frac{\text{Price of dearer} - \text{average price of the mixture}}{\text{average price of the mixture} - \text{price of cheaper}}$$

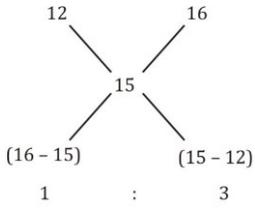
QUIZ

- John Alex is a business man he has two qualities of diamond one of 12 carats and another of 16 carats purity. In what proportion should he mix both to make an ornament of 15 carats purity?
(a) 1 : 3 (b) 2 : 3 (c) 3 : 2
(d) 3 : 1 (e) None of these
- 300 gm of sugar solution has 40% sugar in it. How much sugar should be added to make it 50% in the solution?
(a) 40 gm (b) 50 gm (c) 60 gm
(d) 80 gm (e) None of these
- A container contained 80 ℓ of Mango Juice . From this container 8 ℓ of Juice was taken out and replaced by water. This process was further repeated two times. How much Juice is now contained in the container?

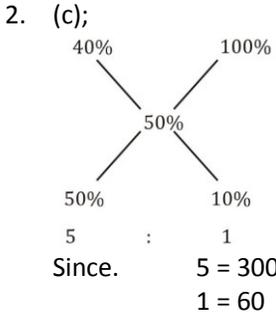
- (a) 54.23 ℓ (b) 54.26 ℓ (c) 56.32 ℓ
(d) 58.32 ℓ (e) None of these
- In three vessels each of 10 ℓ capacity, mixture of milk and water is filled, the ratios of milk and water are 2 : 1, 3 : 1 and 3 : 2 in the three respective vessels, if all the three vessels are emptied into a single large vessel, find the proportion of milk and water in the mixture.
(a) 121 : 59 (b) 123 : 59 (c) 125 : 59
(d) 127 : 59 (e) None of these
 - Vessels A and B contain mixture of milk and water in the ratio 4 : 5 and 5 : 1 respectively. In what ratio should quantities of mixture be taken from A and B to form a mixture in which milk to water is in the ratio 5 : 4?
(a) 2 : 5 (b) 4 : 3 (c) 5 : 2
(d) 2 : 3 (e) None of these
 - 50 g of an alloy of 'G' and 'S' contains 80% G (be weight). The quantity of 'G', that is to be mixed up with this alloy, so that it may contain 95% 'G', is
(a) 200 g (b) 150 g (c) 50 g
(d) 10 g (e) None of these
 - X is 19 times as heavy as Y and Z is 9 times as heavy as Y. In what ratio should these metals be mixed so that the mixture may be 15 times as heavy as Y?
(a) 2 : 3 (b) 3 : 2 (c) 2 : 4
(d) 4 : 2 (e) None of these
 - A man has 40 kg of Gold, a part of which he sells at 5% loss and the rest at the cost price. In this business he incurs a loss of 3%. Find the quantity which he sells at the cost price.
(a) 12 kg (b) 14 kg (c) 16 kg
(d) 18 kg (e) None of these
 - A sum of Rs. 41 was divided among 50 children. Each boy gets 90 paise and each girl 65 paise. The number of boys is
(a) 32 (b) 34 (c) 36
(d) 38 (e) None of these
 - A can contains a mixture of two liquids X and Y in proportion 7 : 5. When 9 litres of mixture are drawn off and the can is filled with Y, the proportion of X and Y becomes 7 : 9. How many litres of liquids X was contained in the can initially?
(a) 32 litres (b) 34 litres (c) 36 litres
(d) 38 litres (e) None of these

Solutions :

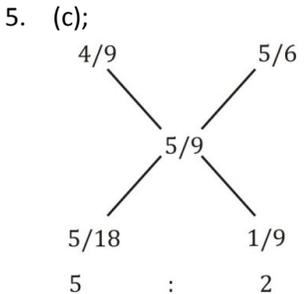
- (a); By rule of Alligation



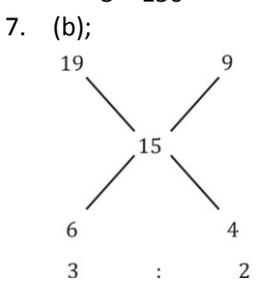
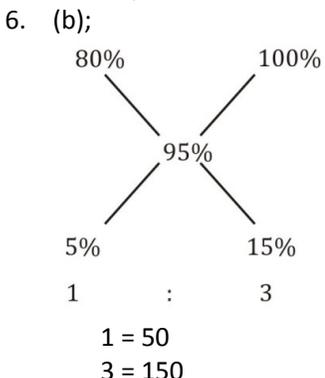
i.e. Required proportion 1 : 3



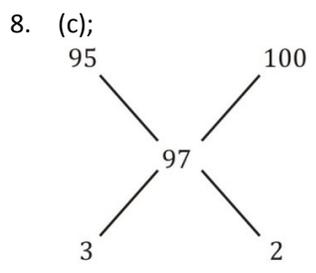
3. (d); Remaining the quantity = $x \left(1 - \frac{y}{x}\right)^n$
 $= 80 \left(1 - \frac{8}{80}\right)^3 = 58.32$
4. (a); $\frac{\text{Total milk in three vessels}}{\text{Total water in three vessels}} = \frac{\left(\frac{2}{3} + \frac{3}{4} + \frac{3}{5}\right)}{\left(\frac{1}{3} + \frac{1}{4} + \frac{2}{5}\right)} = 121 : 59$



i.e. Required ratio = 5 : 2

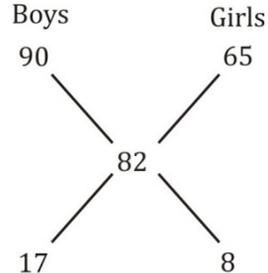


i.e. $x : y = 3 : 2$



5 = 40
 1 = 8
 2 = 2 × 8 = 16

9. (b); Paise per student = $\frac{4100}{50} = 82$



Boys : Girls = 17 : 8
 No of boys = $\left(\frac{17}{17+8}\right) \times 50 = 34$

10. (e); Let quantity of x & y are $7x$ & $5x$ According to Question
 $\frac{7x - 9 \times \frac{7}{12}}{5x - 9 \times \frac{5}{12} + 9} = \frac{7}{9}$
 i.e. Quantity of liquid x in initially $7x = 7 \times 3 = 21$ litre

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Handy Notes GS (Polity): President of India

Articles 52 to 78 in Part V of the Constitution deal with the Union executive.

Article 52 states that there shall be a President of India.

Article 53 states that the executive power of the Union shall be vested in the President. He shall exercise the executive power directly or through subordinate officers in accordance with the constitution.

Thus the President is:

- (1) Executive head of the Republic.
- (2) All the executive actions are taken in his name. The executive power vested in the President is to be exercised on the aid and advice of the Council of Ministers [Article 74(1)]. It is obligatory on the part of President to accept the advice of the council of ministers as per the 42nd and 44th Constitutional Amendment Acts.
- (3) He is the first citizen of India and occupies the first position under the warrant of precedence. Warrant of Precedence indicates the hierarchy of positions occupied by various dignitaries attending a state function.
- (4) He is the Supreme Commander of Armed Forces.

Qualifications for Election as President

1. He should be a citizen of India.
2. He should have completed 35 years of age.
3. He should be qualified for election as a member of the Lok Sabha.
4. He should not hold any office of profit under the Union government or any state government or any local authority or any other public authority.

Note: A sitting President or Vice-President of the Union, the Governor of any state and a minister of the Union or any state is also qualified as a presidential candidate.

Election of the President

The President of India is elected by indirect election. He is elected by an electoral college in accordance with the system of proportional representation by means of the single transferable vote and the vote being secret.

Article 54 states that:

The Electoral College consists of:

- (a) The elected members of both houses of Parliament (nominated members are not the members of electoral college)

- (b) The elected members of the Legislative Assemblies of the States (including National Capital Territory of Delhi and the Union Territory of Pondicherry)

Manner of Election of the President

The provisions dealing with the manner of election of the President of India are provided in Article 55 and the President and Vice-President (Elections) Act of 1952, amended subsequently in 1974. He is elected following the system of proportional representation by means of single transferable vote. The formula is provided by Article 55 of the Constitution:

Value of vote of an MLA = Total population of the State / (Total number of elected MLAs) x 1000

This means that the value of the vote of an MLA differs from one state to another. This is done to give equality of representation in terms of the population.

Thus an MP will have the number of votes as determined by this formulae:

The value of vote of an MP = Total votes cast by all the elected MLAs of 28 States and the two UTs (Delhi & Pondicherry) / (Total number of elected MPs)

This formula is designed to bring parity between the votes of all MLAs and those of all MPs.

Article 62 of the Constitution provides that an election to fill a vacancy shall be held as soon as possible after, and in no case later than six months from, the date of occurrence of the vacancy (if such occurrence of vacancy is caused by resignation or death or impeachment or otherwise). It also says that the vacancy caused by the expiration of the term of office must be completed before the date of expiration of the term.

Oath or Affirmation by the President

The oath of office to the President is administered by the Chief Justice of India and in his absence, the Senior-most judge of the Supreme Court available.

Any other person acting as President or discharging the functions of the President also undertakes the similar oath or affirmation.

Benefits provided to the President

1. He is entitled, without payment of rent, to the use of his official residence (the Rastrapathi Bhavan).
2. He is entitled to such emoluments, allowances and privileges as may be determined by Parliament.
3. His emoluments and allowances cannot be diminished during his term of office. The Parliament increased the salary of the President from Rs.50,000 to Rs.1.50 lakh per month and the pension to 50% of his salary per month.
4. He enjoys personal immunity from legal liability for his official acts.
5. During his term of office, he is immune from any criminal proceedings, even in respect of his personal acts.
6. He cannot be arrested or imprisoned. However, after giving two months' notice, civil proceedings can be instituted against him during his term of office in respect of his personal acts.

TERM, IMPEACHMENT AND VACANCY**Term of President's office**

The President holds office for a term of five years from the date on which he enters upon his office.

However, he can resign from his office at any time by addressing the resignation letter to the Vice-President. Further, he can also be removed from the office before completion of his term by the process of impeachment.

He is also eligible for re-election to that office. He may be elected for any number of terms.

Impeachment of the President [Article 61]

- (1) The President can be removed from his office before the expiry of his term by the process of impeachment.
- (2) The President can be impeached only for the violation of the Constitution.
- (3) It is a quasi-judicial procedure.
- (4) The impeachment procedure can be initiated in either House of the Parliament. The resolution must be signed by at least 1/4th of the total membership of the House. Before the resolution could be passed, a 14 day notice must be given to the President. Such a Resolution must be passed by a majority of not less than 2/3rd of the total membership of the House.
- (5) Then, the other House of Parliament called the "Investigating House" investigates the charges by itself or cause the charge to be investigated.

- (6) The President has the right to appear and to be represented at such investigation to defend him.
- (7) If, as a result of the investigation the other House also passes a resolution supported by not less than 2/3rd of the total membership of House, the President stands removed from his office from the date on which the investigating House passed the resolution.

Note:

- (a) The elected members of the legislative assemblies of States have no role in the impeachment proceedings, while they elect the President.
- (b) The nominated members of the Parliament have the right to deliberate and vote when the resolution of impeachment is under consideration while they have no vote in the election of the President.

Vacancy in the President's Office

A vacancy in the President's office can occur in any of the following ways:

1. On the expiry of his tenure of five years.
2. By his resignation.
3. On his removal by the process of impeachment.
4. By his death
5. Otherwise, for example, when he becomes disqualified to hold office or when his election is declared void.

Vacancy filled up with Acting President

- (1) In case the office of the President falls vacant due to death, resignation or impeachment the Vice-President or in his absent. Chief Justice of Supreme Court or on his absence, senior most Judge of the Supreme Court becomes President till the fresh election for the Post and new incumbent assumes office.
- (2) If the President is not able to discharge his duties due to sickness or absence due to any other reasons, the Vice-President discharges the functions of the President and is entitled to the same salary, allowances and privileges which are available to the President under the constitution.

Legislative powers of President

The legislative Powers of President are as follows:

1. The President summons both the Houses of the Parliament and prorogues them. He or she can dissolve

the Lok Sabha according to the advice of the Council of Ministers headed by the Prime Minister.

2. President inaugurates the Parliament by addressing it after the general elections and also at the beginning of the first session each year.
3. All bills passed by the Parliament can become laws only after receiving the assent of the President. The President can return a bill to the Parliament, if it is not a money bill or a constitutional amendment bill, for reconsideration. When after reconsideration, the bill is passed and presented to the President, with or without amendments; President is obliged to assent to it.
4. The President can also withhold his assent to the bill thereby exercising pocket veto.
5. When both Houses of the Parliament are not in session and if Govt. feels the need for immediate action, President can promulgate ordinances which have the same force and effect as laws passed by Parliament.

Executive powers of President

The executive powers of President are as follows:

1. The President appoints the Prime Minister, the President then appoints the other members of the Council of Ministers, distributing portfolios to them on the advice of the Prime Minister.

The President is responsible for making a wide variety of appointments. These include:

Governors of States/The Chief Justice, other judges of the Supreme Court and High Courts of India/The Attorney General/The Comptroller and Auditor General/The Chief Election Commissioner and other Election Commissioners/The Chairman and other Members of the Union Public Service Commission/Ambassadors and High Commissioners to other countries.

2. The President is the Commander in Chief of the Indian Armed Forces.

Financial powers

1. All money bills originate in Parliament, but only if the President recommends it.
2. He or she causes the Annual Budget and supplementary Budget before Parliament.
3. The President appoints a finance commission every five years. The President appoints a finance commission every five years.

Judicial powers

1. The president appoints the Chief Justice of the Union Judiciary and other judges on the advice of the Chief Justice.
2. The President dismisses the judges if and only if the two Houses of the Parliament pass resolutions to that effect by two-thirds majority of the members present.
3. He/she has the right to grant pardon. The President can suspend, remit or commute the death sentence of any person.

Pardon - completely absolves the offender

Reprieve - temporary suspension of the sentence

Commutation - substitution of one form a punishment for another form which is of a lighter character

Respite - awarding a lesser sentence on special ground

Remission - reducing the amount of sentence without changing its character

Diplomatic powers

All international treaties and agreements are negotiated and concluded on behalf of the President. However, in practice, such negotiations are usually carried out by the Prime Minister along with his Cabinet (especially the Foreign Minister). Also, such treaties are subject to the approval of the Parliament. The President represents India in international forums and affairs where such a function is chiefly ceremonial. The President may also send and receive diplomats, ie the officers from the Indian Foreign Service.

Military powers

The President is the supreme commander of the defense forces of India. The President can declare war or conclude peace, subject to the approval of parliament. All important treaties and contracts are made in president's name.

Emergency powers

The President can declare three types of emergencies: national, state and financial.



Handy Notes English : Preposition

Dear Readers,

The competition is getting so much tougher these days that you cannot take the risk of leaving anything by chance. It has become the necessity of the time that you need to be updated with each and everything. English has become an integral part of the recruitment processes and no one can deny the fact that it puts a good impression in the interview as well. So continuing with what we started in the last edition of the magazine, we are providing you some basic rules from some of the Prepositions. These rules will help you in topics like Error Detection, Fillers and Cloze Tests. We are starting with some and will keep providing the remaining in the upcoming editions.

At

Rule 1. Used to say where something or somebody is or where something happens:

Example: We changed the metro **at** Rajiv Chowk.
The chief guests arrived late **at** the airport.

Rule 2. Used to say where somebody works or studies:

Example: He's been at the bank **at** the bank longer than anyone else.
He's been **at** the schools since 1995.

Rule 3. Used to say when something happens:

Example: We left **at** 2 o'clock.
He didn't know **at** the time of writing.
What are you doing **at** the weekend.

Rule 4. Used to state the age at which somebody does something:

Example: She got married **at** 25.
He left the school **at** the age of 16.

Rule 5. In the direction of or towards somebody or something:

Example: What are you looking **at**?
He pointed a gun **at** her.

Rule 6. Used after a verb to show that somebody tries to do something, or partly does something, but does not succeed or complete it:

Example:
He clutched wildly **at** the rope as he fell.
She nibbled **at** a sandwich.

Rule 7. Used to state the distance away from something:

Example:
He held it **at** arm's length.
Can you read a car number plate **at** fifty metres?

Rule 8. Used to show the situation somebody or something is in, what somebody is doing or what is happening:

Example:
The country is now **at** war.
I think Mr. Gopal is **at** lunch.
I felt **at** a disadvantage.

Rule 9. Used to show a rate, speed, etc:

Example:
He was driving **at** 70 kmph.
The noise came **at** two minute interval.

Rule 10. Somebody's or something's best/ worst, etc. used to say that somebody or something is as good, bad, etc. as they can be:

Example:
Yesterday Kohli was **at** his best.
The garden is **at** its most beautiful in June.

Rule 11. Used with adjectives to show how well sb does sth:

Example:
I am good **at** cooking.
She is hopeless **at** managing people.

Rule 12. Used with adjectives to show the cause of sth:

Example:
She was delighted **at** the result.
They were impatient **at** the delay

Rule 13. (formal) in response to sth:

Example:
They attended the dinner **at** the chairman's invitation.



Adda
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Handy Notes Reasoning: Blood Relation

As we have announced in our previous month edition that we will provide handy notes of Blood Relation in our “June” month edition. So, here we are with clear and detail concept of **Blood Relation**:

- Blood Relation is a must do part in exam. As it may come for 5 marks and you know every mark is important.

- In Blood Relation question certain information is given about the members of the family. Based on that information you need to find out the relationship between particular member of the family.
- Now, take a look at below given “Generation Table” which will help you to understand the different relationship.

Generation	Male	Female
Three generations above ↑↑↑	Great Grandfather, Maternal great Grandfather, Great Grandfather-in-law	Great Grandmother, Maternal great Grandmother, Great Grandmother-in-law
Two generations above ↑↑	Grandfather Maternal Grandfather Grandfather-in-law	Grandmother Maternal Grandmother Grandmother-in-law
One generation above ↑	Father, Uncle Maternal Uncle Father-in-law	Mother, Aunt, Maternal Aunt Mother-in-law
current generation (self) →	Husband, Brother Cousin, Brother-in-law	Wife, Sister, Cousin, Sister-in-law
One generation below ↓	Son Nephew Son-in-law	Daughter Niece Daughter-in-law
Two generations below ↓↓	Grandson Grandson-in-law	Granddaughter Granddaughter-in-law
Three generations below ↓↓↓	Great Grandson Great Grandson-in-law	Great Granddaughter Great Granddaughter-in-law

- For more clarification, we are presenting the relation in two different forms:

1. Relations of paternal side:

- Father’s Father – Grandfather
- Father’s Mother – Grandmother
- Father’s Brother – Uncle
- Father’s Sister – Aunt
- Children of Uncle – cousin
- Wife of Uncle – Aunt
- Children of Aunt – Cousin
- Husband of Aunt – Uncle

2. Relations of maternal side:

- Mother’s Father – Maternal Grandfather
- Mother’s Mother –Maternal Grandmother
- Mother’s Brother – Maternal Uncle
- Mother’s Sister – Aunt
- Children of Maternal Uncle – Cousin
- Wife of Maternal uncle – Maternal Aunt

- The solve questions of Blood Relations easily, you can take help of “Generation Tree”.

- Different pictorial from which are used to define the relationship among them.

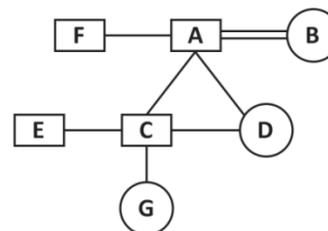


These two pictorial from are used for males.



These two pictorial from are used for females

- **Representation of different relations:**



- From given generation tree we can deduce some important relationship between family members:

1. A is Father of C, E and D
2. B is Mother of C, E and D
3. F is Brother of A
4. F is Brother in law of B

5. A is Husband of B
6. B is Wife of A
7. F is Uncle of E, C and D
8. C and E are Son of A and
9. D is Daughter of A and B
10. D is Sister of E and C
11. E is Brother of C and D
12. C is Brother of E and D
13. A is Grandfather of G
14. B is Grandmother of G
15. G is Granddaughter of A and B.

• Now we are providing some dialogue or conversation based relations which will make your concept more clear and you will be able to solve dialogue based questions within second.

1. My mother's or father's son is my Brother
2. My mother's or father's daughter is my Sister
3. My Mother's or Father's father is my Grandfather.
4. My Mother's or Father's Sister is my Aunt.
5. My Mother's or Father's Brother is my Uncle.
6. My Son's wife is my daughter-in-law.
7. My daughter's husband is my Son-in-law.
8. My brother's son is my Nephew.
9. My brothers daughter is my Niece.
10. My sister's husband is my brother-in-law.
11. My brother's wife is my sister-in-law.
12. My husband's sister is my sister-in-law.
13. My husband's brother is my brother-in-law.
14. My uncle's or Aunt's son or daughter is my cousin.
15. My wife's mother or husband's mother is my mother-in-law.
16. My father's wife is my mother.
17. My mother's husband is my father.
18. My mother's husband is my father.
19. My son's or daughter's son is my Grandson.
20. My son's or daughter's daughter is my Granddaughter.

• **Types of questions asked from Blood Relations:**

1. Based on Dialogue or Conversation
2. Based on Puzzles
3. Based on Symbolically coded

Based on Conversation or Dialogue-

In this type of questions, the one person talking to or doing chit-chat with other person giving information by pointing to some picture or person.

Example: Pointing to a lady on the stage, Monika said, "She is the sister of the son of the wife of my husband." How is the lady related to Monika?

Solution: Find who you can easily relate to and be that person-then go about creating one relation after another.

In this question, be Monika-then start from the end of the sentence.

"My husband" = Monika's husband

'Wife of my husband' = is me = Monika

'Son of the wife of my husband' = My Son

'Sister of the Son of the wife of my Husband' = My Son's Sister = My daughter

'She' is the sister of the son of the wife of my husband' = the lady on the stage = the lady being pointed out = my daughter.

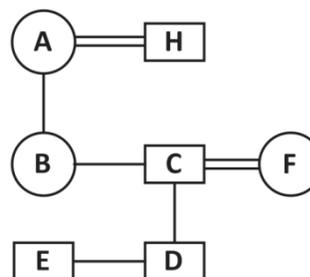
So, lady on the stage is Monika's daughter.

Based on Puzzles:

In this type of question, you have to conclude the relations between two given person based on more than one information given in the question.

Example: A is the mother of B. B is the sister of C. D is the son of C. E is the brother of D. F is the mother of E. H has only two children B and C. How is F related to E?

Solution: In this question, first we will draw the generations tree:



So, F is mother of E.

Based on Symbols:

In this type of question, information are coded in the form of symbols like Δ , #, \$, % etc.

Example:

Direction: Read the following information carefully and then answer the question given below:

- (a) $A \Delta B$ means A is mother of B.
- (b) $A \$ B$ means A is sister of B.
- (c) $A * B$ means A is father of B.
- (d) $A \# B$ means A is brother of B.

Question: Which of the following means R is uncle of T?

- (a) $R * P \# S \Delta Q \$ T$
- (b) $S * P \# R * U \# T$
- (c) $P * R \$ Q \$ S * T$
- (d) $P * R \$ Q \$ S * T$
- (e) None of these

Solution: From option, C, we will get R is uncle of T.

* We have given our best to make you understand the concept of 'Blood Relation'. This chapter is a 'must do' question. In every exam 3 – 5 questions come from this chapter. So, understand its concept and practice its questions. In our next edition we will provide the handy notes of 'Inequalities'

So, stay connected will competition power.....

Handy Notes Banking : Any Time Money Provide Karta Hai- ATM's & WLA's

Q.1. What is an Automated Teller Machine (ATM)?

Ans 1. Automated Teller Machine is a computerized machine that provides the customers of banks the facility of accessing their account for dispensing cash and to carry out other financial & non-financial transactions without the need to actually visit their bank branch.

Q.2. What are White Label ATMs (WLAs)?

Ans 2. ATMs set up, owned and operated by non-banks are called White Label ATMs. Non-bank ATM operators are authorized under Payment & Settlement Systems Act, 2007 by the Reserve Bank of India.

Q.3. What has been the rationale of allowing non-bank entities for setting up of WLAs ?

Ans 3. The rationale of allowing non-bank entity to set up White Label ATMs has been to increase the geographical spread of ATM for increased / enhanced customer service.

Q.4. What type of cards can be used at an ATM/WLA?

Ans 4. The ATM/ATM cum debit cards, credit cards and open prepaid cards (that permit cash withdrawal) issued by banks can be used at ATMs/WLAs for various transactions.

Q.5. What are the services/facilities available at ATMs/WLAs?

Ans 5. In addition to cash dispensing, ATMs/WLAs may offer many other services/facilities to bank customers. Some of these services include:

- Account Information
- Cash Deposit (Acceptance of deposits are not permitted at WLAs)
- Regular Bills Payment (**not permitted at WLAs**)
- Purchase of Re-load Vouchers for Mobiles (not permitted at WLAs)
- Mini/Short Statement
- PIN change
- Request for Cheque Book

Q.6. What is Personal Identification Number (PIN)?

Ans 6. PIN is the numeric password which is separately mailed / handed over to the customer by the bank while issuing the card. Most banks require the customers to change the PIN on the first use. Customer should not disclose PIN to anybody, including to bank officials. Customers should change the PIN at regular intervals.

Q.7. Can these cards be used at any bank/non-bank ATM (WLA) in the country?

Ans 7. Yes. The cards issued by banks in India may be used at any bank / white label ATM in the country.

Q.8. Is the customer charged for ATM transactions?

Ans.8. With effect from November 01, 2014, Savings bank account holders can do a **minimum of three transactions** (including both financial and non-financial transactions) free of charge in a month at other bank ATMs in case of ATMs located in **six metro locations**, viz. Mumbai, New Delhi, Chennai, Kolkata, Bengaluru and Hyderabad. At other locations, the savings bank account holders can transact a **minimum of five transactions** (including both financial and non-financial transactions) free of charge in a month at other bank ATMs. Similarly, **Basic Savings Bank Deposit Account** holders will continue to get five free transactions. Banks on their own can decide to offer more number of transactions free of cost to their customers. In case of charges to be levied on customers, the customer can be charged a maximum of Rs. 20/- per transaction (plus service tax, if any) by his/her bank.

Q.9. What steps should a customer take in case of failed ATM transaction at other bank/white label ATMs, when his / her account is debited?

Ans 9. The customer should lodge a complaint with the **card issuing bank at the earliest**. This process is applicable even if the transaction was carried out at another bank's/non-bank's ATM. In case of WLAs, the contact number/toll free numbers are also available for lodging complaints regarding failed transactions at their ATMs.

Q.10. Is there any time limit for the card issuing banks for recrediting the customers account for a failed ATM/WLA transaction indicated under Q. No. 9?

Ans 10. As per the RBI instructions, banks have been mandated to resolve customer complaints by re-crediting the customer's account within 7 working days from the date of complaint.

Q.11. Are the customers eligible for compensation for delays beyond 7 working days?

Ans 11. Yes. Effective from July 1, 2011, banks have to pay compensation of Rs. 100/- per day for delays in re-crediting the amount beyond 7 working days from the date of receipt of complaint for failed ATM transactions. The compensation has to be credited to the account of the customer without any claim being made by the customer. If the complaint is not lodged within 30 days of transaction, the customer is not entitled for any compensation for delay in resolving his / her complaint.

Q.12. What is the course of action for the customer if the complaint is not addressed by his/her bank within the stipulated time / not addressed to his satisfaction?

Ans 12. The customer can take recourse to the Banking Ombudsman, if the grievance is not redressed by the his/her card issuing bank.

Handy Notes Computer: Important Computer Terminologies

1. Access : To call up information out of storage.

Random access: A technique that permits stored information to be directly retrieved, regardless of its location on the storage medium.

Sequential access: A technique for retrieving stored information that requires a sequential search through one item after another on the storage medium.

2. Access time : The amount of time it takes for requested information to be delivered from disks and memory

3. Algorithm : A step-by-step procedure designed to solve a problem or achieve an objective.

4. Alpha testing : First-stage testing of computer products, typically done in house by the developer. (See also Beta testing; Gamma testing.)

5. Alphanumeric : Consisting of letters, numbers, and symbols.

6. Antivirus software : A program designed to look for and destroy viruses that may infect the memory of a computer or files stored on a computer.

7. Applet : A small application, that is, a program designed to perform a simple task. An applet is usually embedded within a larger program or downloaded from the Internet when needed.

8. Application (or app) : A program designed to perform information processing tasks for a specific purpose or activity (for example, desktop publishing and database management).

9. Archive : A file compressed for more efficient use of storage space. The compression of files may be accomplished by means of such programs as StuffIt, WinRar.

10. Artificial intelligence (AI) : Computer systems that attempt to imitate human processes for analyzing and solving problems.

11. ASCII : An acronym derived from American Standard Code for Information Interchange. ASCII is a standard 7-bit code that represents 128 characters. The use of this standard code permits computers made by different manufacturers to communicate with one another.

12. Backup : Storage of duplicate files on disks, diskettes, or some other form of magnetic medium (such as tapes) as a safety measure in case the original medium is damaged or lost. (One word as a noun or an adjective: backup procedures; two words as a verb: back up your hard disk.)

13. Bacon : An e-mail message that might be considered spam except for the fact that the recipient has elected to receive it.

Bacon (pronounced bacon) has been described as "e-mail you want but not right now." Newsletters, alerts, and automated reminders are considered examples of bacon.

14. Bandwidth : The volume of information that a network can handle (usually expressed in bits per second). The greater the bandwidth, the more quickly data can be downloaded from the Internet or moved from a network to a user's computer.

15. Basic Input/Output System (BIOS) : A set of programs stored in read-only memory (ROM) on IBM or IBM-compatible computers. These programs control the disk drives, the keyboard, and the display screen, and they handle start-up operations.

16. Beta testing : Second-stage testing of computer products, typically done by potential customers and outside experts to identify problems that need to be fixed before the product can be released for sale.

17. Binary code : The language used by computers in which data and instructions are represented by a series of 1s and 0s.

18. Bit (b) : An acronym derived from binary digit. The smallest unit of information that can be recognized by a computer. Bits are combined to represent characters.

19. Bitmap : A method of storing a graphic image as a set of bits in a computer's memory. To display the image on the screen, the computer converts the bits into pixels.

20. Bits per second (bps) : A measurement that describes the speed of data transmission between two pieces of equipment

21. Bloatware : A program that uses an excessive amount of disk space and memory

22. Block : A segment of text that is selected so that it can be moved to another location or processed in some other way. (See also Block delete; Block move; Cut and paste.)

23. Blog : A blog (short for Web log) is an online diary in which an individual records and publishes his or her thoughts on one or more subjects. A blog devoted to legal matters is known as a law blog.

24. Blogosphere : The complete set of blogs on the Internet.

25. Book : A book is a blog that has been turned into a book or an online book that is published on a blog.

COMPUTER HARDWARE & SOFTWARE: Practice Set

1. The program which are as permanent as hardware and stored in ROM is known as?
 - a) Hardware
 - b) Software
 - c) Firmware
 - d) ROM ware
 - e) None of these
2. What is a popular program for creating documents that can be read on both a PC and a Macintosh computer?
 - a) Microsoft Word
 - b) Adobe In Design
 - c) Adobe Acrobat
 - d) QuarkXPress
 - e) None of these
3. The type of printer that prints by selectively unchanging static electricity from spots on a metal drum is a(n)?
 - a) Plotter
 - b) Dot-matrix printer
 - c) Laser printer
 - d) Ink-jet printer
 - e) None of these
4. Which printer type is an impact printer?
 - a) Page printers
 - b) Laser printers
 - c) Ink-jet printers
 - d) Dot-matrix printers
 - e) None of these
5. What type of software must to be used to translate scanned text into a format that can be manipulated?
 - a) OCR
 - b) CRT
 - c) RGB
 - d) MIDI
 - e) None of these
6. Word processing, spreadsheet, and photo-editing are examples of_____?
 - a) application software
 - b) system software
 - c) operating system software
 - d) platform software
 - e) none of these
7. The_____ runs the front-end applications software in a network?
 - a) Client
 - b) Database
 - c) Server
 - d) CPU
 - e) None of these
8. This device is used to connect your computer with a telephone line, so that can access information from other servers and ordinary users too, said device is called _____?
 - a) Modem
 - b) Set Top Box
 - c) LAN Card
 - d) UPS
 - e) None of these
9. Which of the following is not an input device?
 - a) Mouse
 - b) Keyboard
 - c) Light pen
 - d) VDU
 - e) None of these
10. What software allows you to view internet sites?
 - a) A cyber café
 - b) A browser
 - c) A modem
 - d) Your computer
 - e) None of these
11. All of the following are examples of storage devices EXCEPT _____?
 - a) hard disk drives
 - b) printers
 - c) floppy disk drives
 - d) CD drives
 - e) Pen drives
12. What is the correct association between a hardware component and a computer function?
 - a) Monitor > input
 - b) Mouse > input
 - c) CPU > storage
 - d) Hard disk > processing
 - e) None of these
13. Which of the following can input graphical images and pictures for a computer?
 - a) Plotter
 - b) Scanner
 - c) Mouse
 - d) Printer
 - e) Keyboard
14. The main system board of a computer is called the.....?
 - a) integrated circuit
 - b) motherboard
 - c) processor
 - d) microchip
 - e) None of these
15. What is MS Word?
 - a) A game
 - b) An Operating System
 - c) Word Processing Software
 - d) Typing tutor software
 - e) None of these

ANSWERS:

1. c
2. c
3. c
4. d
5. a
6. a
7. a
8. a
9. d
10. b
11. b
12. b
13. b
14. b
15. c

सफलता दो कदम दूर खड़ी इन्तजार कर रही है.....

आप सभी के हाल ही में कुछ परिक्षाओं के परिणाम आए होंगे। आपमें से कुछ सफल हुए होंगे तो कुछ को अभी और थोड़ा इंतजार करना होगा। जो यहां सफल हुए उनके लिए वाकई ये खुशी की बात तो है ही, लेकिन जिन छात्रों को इस बार सफलता हासिल नहीं हो पाई वे निराश न हों क्योंकि अब वे और भी बेहतर तैयारी के साथ फिर से मैदान में उतरेंगे।

हमें हमेशा यह भी विचार साथ लेकर चलना चाहिए कि हर बार सफलता ही मिले आवश्यक नहीं यह कोई नियम नहीं है। कभी-कभी सफलता का मार्ग लम्बा होता है ऐसे में कई बार हमारे मार्ग में बाधाएं भी सामने आती हैं। यह सत्य है कि काम करने वालों को दो ही चीजें हासिल हो सकती हैं— सफलता या असफलता। यह मानना चाहिए कि सफलता तो अच्छी है लेकिन असफलता भी एक प्रकार की उपलब्धि होती है। असफलता के बाद हम और मजबूती से बाधाओं का सामना करने में सक्षम हो जाते हैं। हमें केवल धैर्य बनाए रखने की जरूरत होती है। हमें खुद पर विश्वास बनाए रखना चाहिए। आत्मविश्वास तथा धैर्य के बिना सफलता की सीढ़ी चढ़ना मुमकिन नहीं है।

स्वामी विवेकानन्द ने कहा है—'जितना बड़ा संघर्ष होगा, जीत उतनी ही शानदार होगी।' अधिकतर लोग उस समय हार मान लेते हैं जब सफलता उन्हें मिलने ही वाली होती है। जब उनकी कामयाबी बस एक कदम दूर होती है तभी वे कोशिश करना बंद कर देते हैं। वे खेल के मैदान से अंतिम मिनट में हट जाते हैं जबकि उस समय जीत का निशान उनसे केवल कुछ फासले पर होता है। हमें निराशाजनक एवं तनाव की घड़ी से बचने के लिए प्रतिदिन आत्मचिंतन, आत्ममंथन एवं आत्म विश्लेषण करना चाहिये। जिसके माध्यम से निराशा के कारणों का परीक्षण करते हुए उन पर ध्यान केन्द्रित करना चाहिये तथा आने वाले क्षण की ओर सकारात्मक विचार एवं आशावादी दृष्टिकोण के साथ आगे बढ़ना चाहिये। एक समय में जो हमारे सामने निराशा का भाव है वह आशा के भाव में अवश्य शीघ्र बदलने वाला है। यहाँ आवश्यकता मात्र संयमित धैर्यपूर्वक विचार करते हुए निराशा के कारणों को सकारात्मक दृष्टिकोण से बदलने की है। आज जो दुःख अथवा निराशा की घड़ी है, वह कल नहीं रहेगी यह निश्चित है।

हमें सफलता के लिए औरों से नहीं बल्कि खुद से आगे निकलने की इच्छा रखनी चाहिए। स्वयं प्रेरित होकर आगे निकलना हमें और भी योग्य बनाता है। यह मानना होगा कि अपने सबसे बेहतर स्तर को प्राप्त करना आसान नहीं होता है। यहां बहुत सी रूकावटें भी हमारे सामने खड़ी होती हैं लेकिन जीतने वालों में इन बाधाओं को जीतने और पहले से भी ज्यादा मजबूत होकर आगे निकलने की क्षमता होती है। इतिहास बताता है कि बड़े-बड़े विजेताओं को भी जीत से पहले हताश कर देने वाली बाधाओं और असफलताओं का सामना करना पड़ा। उन्हें जीत इसीलिए मिली कि वे अपनी असफलताओं से मायूस नहीं हुए। दरअसल, जब हम कुछ पाने के लिए प्रयास करते हैं, तो हम दौड़ में शामिल होते हैं लेकिन जब औरों से थोड़ी अधिक तेजी दिखाते हैं तो जीत जाते हैं। आप इस लघुकथा से समझ सकते हैं कि किस प्रकार हम खुद हौसला रख परेशानियों को पीछे छोड़ आगे निकल जाते हैं।

हिंदी साहित्य के महान कवि सूरदास जन्म से ही देख नहीं सकते थे। वे बहुत निर्धन भी थे, एक बार उनसे ईर्ष्या रखने वाले गाँव के

कुछ लोगों ने उनकी झोपड़ी में आग लगा दी। उनके पास कुछ न बचा, झोपड़ी में बस एक गर्म लोटा बचा क्योंकि वह जल नहीं सका था बाकी सब जलकर खाक हो गया था। उनके साथ एक छोटा बच्चा रहता था जब उसने सूरदास से पूछा अब हम क्या करेंगे? सूरदास ने उत्तर दिया अब हम नई झोपड़ी बनायेंगे। बच्चे ने पूछा उन्होंने फिर आग लगाई..तो ..? सूरदास ने उत्तर दिया, हम फिर से नई झोपड़ी बनायेंगे। हम एक-दो नहीं.. हर बार.. सौ बार नई झोपड़ी बनायेंगे ताकि वो लोग हार जाएँ।

इस लघुकथा का अर्थ है कि हमें हार न मानते हुए हमेशा प्रयासरत रहना चाहिए। सफल होने के लिए लक्ष्य का निर्धारण करना जरूरी है, आपका जो लक्ष्य है उसे मूर्त बनाने के लिए प्रयास करने चाहिए। अपने लक्ष्य की प्राप्ति के लिए यदि हमारे मन में उत्साह है और हम निष्ठापूर्वक प्रयत्न करते हैं तो ऐसा कोई भी कारण नहीं रह जाता जो हमें सफलता पाने से रोक सके। लक्ष्य की ओर किया गया प्रत्येक प्रयास हमें सफलता की ओर अग्रसर करता है। इसके लिए हमारा गतिशील बनना जरूरी होता है। निरन्तर कर्म करना होता है क्योंकि कर्म के बिना न तो गति संभव है और न ही उपलब्धि। अपने उद्देश्य की प्राप्ति के लिए हमें पूरी निष्ठा और प्रतिबद्धता से कार्य करना चाहिए। प्रतिबद्ध व्यक्ति ही दिन-रात एक कर मेहनत करने में सक्षम होता है।

वैसे जीवन में कुछ भी पाना सरल नहीं होता। सरलता व आसानी से ऐसा कुछ नहीं मिलता, जो कीमती है, महत्वपूर्ण है। हर व्यक्ति को अपने जीवन में अपने लक्ष्य को पाने के लिए संघर्ष करना होता है थोड़ा कष्ट करना होता है। यह जरूर है कि जब जीवन में बुनियादी समस्याएं हों, ऐसी स्थिति में संघर्ष करने की इच्छाशक्ति को बनाए रखना थोड़ा कठिन दिखने लगता है क्योंकि ऐसे में लक्ष्य की प्राप्ति के साथ बुनियादी आवश्यकताओं की पूर्ति के लिए भी संघर्ष करना होता है, जिससे संघर्ष दोगुना हो जाता है। ऐसे में यदि व्यक्ति के अंदर आंतरिक बल है, पर्याप्त शारीरिक व मानसिक क्षमता है तो दोगुना संघर्ष करने में भी कोई दिक्कत नहीं आती। केवल इसके लिए जीवन के प्रति सकारात्मक रवैया और लक्ष्य को पाने की मन में ललक होनी चाहिए।

अब अपने लक्ष्य पर फिर से गौर करते हुए हौसले के साथ आगे बढ़ें और जानें कि आप इस समय कहां हैं? आप स्वयं एक अलग योजना तैयार करें जो आपके स्तर और उन विषयों से जुड़ी हो जिनमें आप खुद को औरों से कमतर या पीछे पाते हों या फिर, जो विषय आपके कमजोर रहे हों। आप यहीं मेहनत करें और आने वाली परीक्षा तक आप स्वयं को पहले से मजबूत पाएंगे। दरअसल, सफलता कोई घटना नहीं होती जो अचानक घट जाए। इसके परिणाम तत्काल सामने नहीं आते। ऐसे में छोटी सी हार से घबराकर अपने धैर्य को डगमगाने न दें और अपने लक्ष्य की ओर अर्जुन जैसी दृष्टि बनाएं। लक्ष्य की प्राप्ति के लिए प्रयत्नशील बने रहें, उसका आनंद लें। सफलता-असफलता तो दिन रात की भाँति होते हैं, जो समय के परिवर्तन का संकेत देते हैं तथा जिनका अस्तित्व चिर स्थाई नहीं होता है। कभी भी विफलता में निराश नहीं होना चाहिये क्योंकि प्रत्येक विफलता यह बताती है कि सफलता उससे केवल दो कदम दूर खड़ी उसका इन्तजार कर रही है।

HINDU REVIEW : APRIL 2016

1. India has become the world's fourth largest spender on defence, following a 13.1% increase in its 2016-17 defence budget, according to US research firm IHS Inc.
2. The Government of Japan has committed a loan of JPY 242.2 billion (around Rs.14,251 crore) for various projects across India, including Jharkhand, Odisha, Madhya Pradesh and the North East.
3. Vietnam's National Assembly (NA) elected Nguyen Thi Kim Ngan as the country's first female house speaker.
4. The fourth edition of Nuclear Security Summit (NSS) began in Washington, United States to discuss a gamut of issues pertaining to nuclear security.
5. ICCR to set up first Indian Chair in Arab world at Cairo. An MoU in this regard was signed between India's Ambassador to Egypt Sanjay Bhattacharyya on behalf of Indian Council for Cultural Relations (ICCR) and Prof. Abdel Wahab Ezzat, Acting President of ASU.
6. The Union Government has launched the Startup India portal (<http://startupindia.gov.in>) and mobile application. The portal and mobile app provide up-to-date information issued by various Government ministries/ departments.
7. Russia has approved a deal of ONGC Videsh Ltd (OVL) to acquire 15% stake in Vankor oilfield from Rosneft. The new deal enables OVL's stake in Vankor will raise to 26% from 15% and will give it about 3.5 million metric tonnes of oil a year consequently.
8. UltraTech Cement, a part of the Aditya Birla group, agreed to buy Jaiprakash Associates' 21.2 million tonnes per annum (mtpa) cement capacity for Rs 15,900 crores.
9. India's largest e-commerce company Flipkart has acquired PhonePe, a Bengaluru-based mobile payments company, which was co-founded by ex-Flipkart employees Sameer Nigam and Rahul Chari.
10. In a bid further strengthen and promote business ties with Australia, FICCI announced inking an MoU with Australia India Business Council (AIBC).
11. State Road Transport Authority's brand-new mobile app, M-Wallet, was launched by IT minister KT Rama Rao and transport minister P.Mahender Reddy.
12. Haryana Assembly passed two Bills mandating minimum educational qualification for contesting urban local bodies polls in the state.
13. Mumbai Financial capital of India is likely to get the International Arbitration Centre. This will be the India's first arbitration centre for dealing the financial disputes.
14. Rajiv Gauba took over as Secretary to the Government of India in the Ministry of Urban Development.
15. Renowned Iraqi-born British architect Zaha Hadid passed away due to heart attack. She was 65.
16. World Autism Awareness Day is an internationally recognized day on the 2nd of April every year. This year the theme is "Autism and the 2030 Agenda: Inclusion and Neurodiversity".
17. A Memorandum of Understanding (MoU) was signed by 25 Union Ministries of the Government of India under the IMPRINT programme of the Union Government to promote research in premiere technical institutions on March 31, 2016.
18. Indian Space Research Organization (ISRO), the department of space signs an MoU with the Airports Authority of India (AAI) to provide scientific parameters for construction of airports.
19. India is hopeful of receiving the first loan issued by the newly formed Asian Infrastructure Investment Bank (AIIB) in the second half of the year.
20. The US and Saudi Arabia imposed sanctions jointly on four individuals and two organisations, aiming to disrupt terrorism fundraising operations in South Asia and the Middle East.
21. The National Stock Exchange (NSE) has launched a new index Nifty MidSmallcap 400. It will represent the mid and small market capitalization segments of the stock market.
22. In a major step towards improvement of infrastructure for cancer cure, Maharashtra tied up with the Tata Trusts to link all government colleges and medical colleges to the national cancer grid for uniform cancer profiling and quality treatment.
23. PDP President Mehbooba Mufti will be sworn in as the first woman Chief Minister of Jammu and Kashmir.
24. Consumer loans became cheaper with banks moving to a new way of setting lending rates following RBI's diktat to ensure faster and effective transmission of its policy rate cuts to borrowers. RBI had asked banks to price fixed rate loans of up to three years based on marginal cost of funds from April 1.
25. President Pranab Mukherjee has promulgated the Uttarakhand Appropriation (Vote on Account) Ordinance, 2016 which authorizes expenditure in the hill state that has come under direct federal rule because of a political crisis.
26. Pakistan's Sikh religious body elected a caretaker president after its first chief Sham Singh died. Tara Singh was elected the caretaker "pardhan" at a meeting of the Pakistan Sikh Gurdwara Parbandhak Committee.
27. Bhartiya Nabhikiya Vidyut Nigam Ltd (BHAVINI) has appointed the Kallol Roy as its new chairman and managing director (CMD).
28. Bollywood star Ranveer Singh, who brought alive the role of Maratha warrior Peshwa Bajirao II on the silver screen

through Sanjay Leela Bhansali's "Bajirao Mastani", will be feted with the 'Maharashtrian Of The Year'

29. The government has issued a new set of income tax return (ITR) forms that require people with an income of Rs 50 lakh and above per annum to disclose their assets.
30. Australian pacer Clint McKay has announced his retirement from international cricket after his first-class team Victoria Bushrangers won the Sheffield Shield tournament.
31. The Union Finance Minister has extended the safeguard duty on import of some steel products by two years i.e till March 2018. In this regard, the Central Board of Excise and Customs (CBEC) has issued a notification mentioning that safeguard duty will be reduced to 10% in stages till 2008 from current 20%.
32. Veteran journalist and writer Babu Bharadwaj passed away due to cardiac arrest in Kozhikode, Kerala. He was 68.
33. Germany's Development Bank KfW will provide loan assistance of 3750 crore rupees for the modern and sustainable metro system for Nagpur city.
34. Ace Indian boxer Shiva Thapa has won the silver medal at the Asian/Oceania Qualifying Tournament held in Qian'an, China in the 56 Kilogram category final.
35. According to a United Nations Industrial Development Organisation (UNIDO) report, India ranked sixth among the world's top 10 manufacturing countries. Previously, India held the ninth position.
36. Prime Minister Narendra Modi was conferred Saudi Arabia's highest civilian honour- the king Abdulaziz Sash.
37. The mobile application 'Vidyut Pravah' has been launched by Mr. Piyush Goyal, the minister of state (Independent Charge) for Power, coal, new and renewable energy, to empower Common People to Demand 24x7 Power from The States.
38. Delhi Chief Minister Arvind Kejriwal has launched the first phase of the Green Delhi initiative by planting trees at the Triangular Park near ITO Chowk.
39. IIT Madras and IIM Bangalore have topped the list of top educational institutes unveiled by the Ministry of Human Resource and Development.
40. Saudi Oil giant Aramco, the world's largest oil firm with crude reserves of about 265 billion barrels, plans to make major investment in India's petroleum sector as it considers India the most preferred destination to invest at a time when the global economy is in a crisis.
41. Germany's Development Bank KfW will provide a loan assistance of €500 m (Rs. 3,750 crore) for metro system in Nagpur city.
42. Blackstone Group has announced that it is buying Hewlett Packard Enterprise Co.'s majority stake in Indian outsourcing firm Mphasis Ltd.
43. Mining conglomerate Vedanta said its subsidiary Talwandi Sabo Power (TSPL) has set the Guinness World Record for planting 2,08,751 saplings at a single location in less than an hour.
44. The famous American actor, voice artist and comedian Mr. Larry Drake has passed away due to cancer. He was 66 year old.
45. The ICC Cricket World Men's T-20 Cup 2016 has won by West Indies team by defeating England by 4 wickets.
46. World No.1 tennis player Novak Djokovic from Serbia has won the 2016 Miami Open Title in the men's singles category. In the final he defeated Kei Nishikori (Japan).
47. 5th April is observed as National Maritime Day.
48. Reserve Bank of India (RBI) today cuts the Repo rate under the liquidity adjustment facility (LAF) by 25 basis points to 6.5% in its first bi-monthly monetary policy review for the 2016-17 fiscal and kept the Cash Reserve Rate (CRR) unchanged.
49. Gatiman Express, India's fastest train is flagged off from Delhi to Agra. Railway Minister Suresh Prabhu flagged off the much-awaited Gatiman Express for Agra from Nizamuddin Railway station.
50. India's first cash giving app has launched by a fin-tech company called Tslc Pte Ltd. The app is named as CASHe.
51. Shivraj Singh Chouhan, the Chief Minister of Madhya Pradesh along with Union Environment Minister Prakash Javadekar and other dignitaries have inaugurated the world's first wildlife sanctuary for white tigers in Madhya Pradesh.
52. Over 100 crore people, including 93% of the adult population, now have an Aadhaar number.
53. Tran Dai Quang has sworn in as the ninth President of Vietnam after he was elected by country's National Assembly. He succeeds Truong Tan Sang and shall have term of five years.
54. The Government has released Rs. 25,834 crore to FCI as Food Subsidy. In addition to this, wage and means advance of Rs. 10,000 crore will be released shortly.
55. The world's first public dengue vaccination programme was launched in the Philippines as nurses began injecting the first batch of a million children with a French drug to combat the sometimes deadly disease.
56. 5 times world chess champion Viswanathan Anand will be honoured with the Hridaynath Award, which felicitates and recognises successful individuals across the country from various walks of life.
57. Former Italy head coach Cesare Maldini has passed away at the age of 84.
58. Kenya's Cyprian Kotut claimed a double in the French capital within a month when he won this year's Paris Marathon in personal best of 2 hours, 07 minutes and 13 seconds.
59. The Prime Minister Narendra Modi on 5 April 2016 launched Stand Up India Scheme to promote entrepreneurship among Scheduled Caste/Scheduled Tribes and Women entrepreneurs. On this occasion, the Prime Minister also

inaugurated a Kaushal Kendra (Skilling Center) under Pradhan Mantri Mudra Yojna in Noida.

60. Pranab Mukherjee, the President of India conferred the National Geoscience Awards 2014 at a function to be held at Rashtrapati Bhavan in New Delhi. For 2014, Professor Ashok Kumar Singhvi was conferred with the highest honour National Geoscience Award for Excellence for his outstanding contributions in the field of sedimentary technologies.
61. The Union Government constituted a high-level committee to suggest ways to strengthen the border protection along the border with Pakistan. The committee will be headed by former Home Secretary Madhukar Gupta and will submit its report in three months.
62. Odisha government has launched 100 Adarsha Vidyalayas and CBSE-affiliated English medium schools in 14 districts of the state.
63. The Chief Minister of Bihar Mr. Nitish Kumar has declared total ban on the sale of all forms of alcohol with immediate effect.
64. India has signed a memorandum of understanding with the Islamic Development Bank (IDB) for a possible \$100 million line of credit to simplify exports to IDB's member countries.
65. Bharat Heavy Electricals Limited (BHEL) has commissioned a seasonwise tiltable canal top solar PV plant at Bhimavaram in Andhra Pradesh.
66. Mumbai has got its first air-conditioned suburban local train which was flagged off from Integral Coach Factory in Chennai, has finally arrived in the metropolis.
67. Delhi government has passed a proposal to build a memorial for late President APJ Abdul Kalam at Dilli Haat, south Delhi.
68. Japanese electronics giant Panasonic has appointed senior executive Manish Sharma to its global executive council, inducting an Indian onto the coveted decision-making body of the \$80-billion company for the first time ever.
69. The Architect or father of the Madras Atomic Power Station (MAPS), Mr. Myneni Hari Prasad Rao has passed away in Chennai. He was 88 year old
70. Mother Dairy, an Indian FMCG company has partnered with Indian Premier League (IPL) cricket team Delhi Daredevils as its principal sponsor.
71. 7th April is celebrated each year globally as World Health Day under the sponsorship of the World Health Organization (WHO).
72. The third phase of Union Health Ministry's universal vaccination programme Mission Indradhanush began on 7 April, 2016. It will cover 216 Districts across several States including Bihar, Gujarat, Assam, Madhya Pradesh, Maharashtra and Uttar Pradesh.
73. East Coast Railway (ECoR) has emerged as the largest freight loading railway zone of Indian Railways in 2015-16.
74. A bronze bust of ancient Indian mathematician and astronomer Aryabhata has been unveiled at the UNESCO Headquarters.
75. Gujarat chief Minister Anandiben Patel officially launched the state-wide implementation of National Food Security Act, which has been renamed as Maa Annapurna Yojna (Scheme) by the state government.
76. Union Minister Santosh Kumar Gangwar inaugurated 3 mega textile projects in Nagaland.
77. Future Group has acquired online home furnishings and décor business company FabFurnish for an undisclosed amount.
78. Union Agriculture and Farmers Welfare Minister Radha Mohan Singhlaid the foundation stone of Haryana State University of Horticultural Sciences at Karnal.
79. The Advertising Standards Council of India (ASCI) upheld complaints against 51 out of 102 advertisements.
80. CP Gurnani, Managing Director and Chief Executive Officer, Tech Mahindra, is the new Chairman of the National Association of Software and Services Companies (Nasscom) for 2016-17.
81. S Balaji Arunkumar, An IRTS officer of 1997 batch, has taken over as deputy chairman of Kolkata Dock System under Kolkata Port Trust (KoPT) with effect from April 4.
82. Iceland ruling coalition Government has named Sigurdur Ingi Johannsson (53) as the new Prime Minister after igmundur Gunnlaugsson had stepped down.
83. Indian men have won the 2016 Asian Nations Cup Chess tournament by defeating Vietnam in the final round by 3-1 score played in Abu Dhabi.
84. The first ever two day North East-ASEAN (Association of Southeast Asian Nations) Business Summit was inaugurated at the City Convention Centre in Imphal, Manipur.
85. To promote the Swachh Bharat Mission, Union Urban development Minister Venkaiah Naidu inaugurated 'Namma Toilet' in the national capital Delhi.
86. Minister of State for Petroleum & Natural Gas Dharmendra Pradhan dedicated 36 new CNG stations located in Delhi and NCR to the public.
87. Reliance Industries director Nita Ambani and State Bank of India chairman Arundhati Bhattacharya have been ranked top two in Forbes' "Asia 50 Power Businesswomen 2016" list.
88. American multinational information technology company HR Inc (Hewlett-Packard) has launched eight new personal products including the world thinnest laptop.
89. The Cabinet Committee on Economic Affairs (CCEA) cleared conversion of Working Capital Term Loan (WCTL) of Bank of Baroda's (BoB) 29.91 crore rupees loan to Andrew Yule & Co. Ltd. (AYCL) into equity shares.
90. Snapdeal has partnered with 9 non governmental organisations (NGOs) to launch Snapdeal Sunshine, a platform where users can make donations to causes under

- education, health, sports, women empowerment, disaster relief and old age care.
91. Hashim Thaci , Foreign Minister of Kosovo has been sworn in as the President of Kosovo by the members of Parliament of the country in the 3rd round.
 92. Union Minister Rajiv Pratap Rudy launched Transnational Skill Standards benchmarked to the United Kingdom across 82 identified job roles, aiming to support international mobility of Indian workforce.
 93. Debraj Pradhan appointed as the next Ambassador of India to Norway
 94. Tamil Nadu Cricket Association (TNCA) Academy has appointed D. Vasu as its new director for a period of two years.
 95. Delhi Chief Minister Arvind Kejriwal has launched the book "The Kiss of Life: How a superhero and my son defeated cancer" in New Delhi. The book is written by Bilal Siddiqi and co authored by Emraan Hashmi.
 96. Gojavas, the logistics and supply chain solutions company has announced the appointment of Mr. Amitabh Coomar as the Chief Executive Officer (CEO).
 97. The veteran journalist and author Yogendra Bali has passed away due to a heart attack. He was 85 year old.
 98. American country music legend Merle Haggard died of pneumonia at his home in Northern California.
 99. According to Credit Suisse Emerging Consumer Scorecard 2016, India topped the chart, while China and Saudi Arabia shared the second position.
 100. The Ministry of Rural Development has released a central share of Rs. 12,230 crore to the states for implementation of its flagship programmes under the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA).
 101. The Union Human Resource Development Minister Smriti Irani has launched a portal for registration and allotment of International Standard Book Number (ISBN) at a function held in New Delhi.
 102. The Union Textiles Minister Shri Santosh Kumar Gangwar inaugurated the Apparel and Garment Making unit in Bodhjungnagar Industrial Growth Centre, in Agartala.
 103. The Union Minister for water Resources, River Development and Ganga Rejuvenation Uma Bharti has inaugurated the Water Film Festival as a part of the India Water Week celebrations in New Delhi.
 104. Rajasthan has become the first state to pass land title bill.
 105. Bharti Airtel announced the acquisition of 20 MHz spectrum in eight circles from Aircel for Rs 3,500 crore.
 106. Shareholders of the Turkmenistan- Afghanistan-Pakistan-India (TAPI) Pipeline Company Limited signed an agreement to invest \$200 million in studies and engineering for the \$10 billion project to transport natural gas to energy-hungry countries like India.
 107. Saudi Arabia's King Salman has announced an agreement with Egyptian President Abdul-Fattah al-Sisi to build a bridge over the Red Sea connecting the two countries.
 108. Federal Bank, the Indian Banking major in the private sector, entered into a strategic partnership with Phillip Capital (India) Pvt. Ltd, a subsidiary of the Singapore headquartered Phillip Capital group, for managing NRI Portfolio Investment Scheme (PIS).
 109. The statue of Maharaja Ranjit Singh will be installed in France's Saint-Tropez town. The town is the birth place of Army General Jean-Francois Allard.
 110. Lambda Therapeutic Research, a Global Clinical Research Organization has announced the appointment of Tausif Monif as its new President for Global Operations.
 111. Lamborghini India Pvt. Ltd has appointed Sharad Agarwal as its country head with immediate effect.
 112. The Nobel Peace Prize awardee Mother Teresa now has been conferred with the UK's prestigious Founders Award this year.
 113. Kansai Nerolac Paints Ltd (KNPL) has signed up with the Gujarat Lions franchise as associate sponsor for the ninth edition of the Indian Premier League which will begin on April 9, 2016.
 114. The Centre has recommended 1,304 crore rupees for drought relief to Uttar Pradesh under National Disaster Relief Fund (NDRF).
 115. Union government is set to issue universal identity cards to the physically challenged with the objective of providing them easy access to various benefits being extended by the government.
 116. As the government's rural broadband project is facing long delays, telecom PSU BSNL is testing an alternative WiFi-based network to connect about 1 lakh village panchayats in a year with high-speed Internet.
 117. India has offered to invest upto \$20 billion in Iran announced by Dharmendra Pradhan Minister of Petroleum and Natural Gas during his two day visit to Iran.
 118. The Uttar Pradesh government has directed all the district magistrates for plantation of 5 cr. trees at 6,500 sites in 24 hours on a date fixed in month of July under the 'Green UP - Clean UP' programme.
 119. China launched a retrievable scientific research satellite in a bid to aid scientists to study micro-gravity and space life science.
 120. Pakistan Navy has successfully test-fired shore-based anti-ship missile 'Zarb', bolstering its defence mechanism.
 121. An investigative journalist from Azerbaijan, Khadija Ismayilova has been chosen to receive the 2016 UNESCO/Guillermo Cano World Press Freedom Prize.
 122. Priyadarshini Chatterjee, a Delhi girl was announced as the winner of FBB Femina Miss India World 2016 at the 53rd edition of the Femina Miss India beauty pageant held in Mumbai.

- 123.** The ministry for skill development and entrepreneurship (MSDE) has named Cricket Icon Sachin Tendulkar as brand ambassador of the 'Skill India' campaign.
- 124.** Information and Broadcasting Ministry has constituted a three-member panel, headed by former Chief Election Commissioner (CEC) BB Tandon, to see that guidelines set for government advertisements by the Supreme Court are followed.
- 125.** Dadasaheb Phalke Film Foundation has announced that Priyanka Chopra to be conferred with Dadasaheb Phalke Film Foundation Award 2016 in best actress of the year category.
- 126.** Danny Willett has won the US Masters Golf Championship for the year 2016 at Augusta National Golf Club in Augusta, Georgia.
- 127.** Anthony Joshua has won the International Boxing Federation heavyweight title for the year 2016.
- 128.** Malaysia's badminton maestro Lee Chong Wei has defeated China's Chen Long to win Malaysian Open 2016 in men's singles title at the Malawati Stadium in Shah Alam, Malaysia.
- 129.** The three day 3rd Asia Ministerial Conference on the Tiger Conservation is going to inaugurate by Prime Minister Narendra Modi in New Delhi on 12th April, 2016 which will continue till 14th of April, 2016.
- 130.** India will take part in a special meeting of the Organisation for Economic Co-operation and Development (OECD) in Paris tomorrow to firm up cooperation between countries in the wake of the 'Panama Papers' leak.
- 131.** India and Maldives have signed six agreements in different sectors to boost bilateral relations between both maritime neighbouring countries.
- 132.** The G7 Foreign Ministers' Meeting is one of the ministerial meetings that held in advance of the G7 Summit in Hiroshima on 10th & 11th April, 2016.
- 133.** Minister for Railways Suresh Prabhakar Prabhu inaugurated the fitment of CCTV in Train Shan-e-Punjab Express through video-conferencing from Rail Bhawan premises, New Delhi.
- 134.** Tata Steel, the country's largest steel producer, has signed an agreement to sell the loss-making 4.5-million tonne (mt) long-product Scunthorpe steel plant in Britain to UK-based investment firm Greycapital.
- 135.** Sanmar Chemicals, India's private sector petrochemical firm, will receive Rs.1,996 crore equity investment from Fairfax India Holdings, reported Reuters.
- 136.** Bharti Airtel First Entity To Get Payments Bank Licence From RBI.
- 137.** A Noida based handset manufacturer Lava International has announced the Indian's limited over captain Mahendra Singh Dhoni as it's new brand ambassador. This step has been taken to strengthen its brand in India.
- 138.** The Ukrainian Prime Minister, Arseniy Yatsenyuk announced his resignation two months after he survived a no-confidence vote in parliament.
- 139.** A Kathak dancer from Varanasi has broken the world record of longest dance performance by continuously dancing for 123 hours and 30 minutes. It was previously held by Kerala's Hemlatha.
- 140.** Premier Futsal is the newer and shorter five-a-side variant of soccer (football) named the Virat Kohli as its brand ambassador.
- 141.** India's men's and women's teams have won both the category's championship titles at the third Asian Kho-Kho championship organised in Indore.
- 142.** American tennis star Serena Williams kept her lead in the women's rankings, while Polish Agnieszka Radwanska returned to the second place.
- 143.** International Monetary Fund (IMF) has declared the India's growth is projected to notch up to 7.5% in 2016-17.
- 144.** India and the United States announced an in-principle logistics exchange agreement to enable their militaries to use each other's assets and bases for repair and replenishment of supplies.
- 145.** Huawei has announced its third Global Connectivity Index report during the Global Analyst Summit 2016 in Shenzhen, China. In terms of numbers, United States, Singapore and Sweden top the rankings, while India is ranked 44.
- 146.** In a major welfare initiative, the Cabinet approved launch of Mufti Mohammad Sayeed Food Entitlement Scheme (MMSFES) to supplement the National Food Security Act (NFSA).
- 147.** Union Ministry of Water Resources, River Development and Ganga Rejuvenation and German International Cooperation (GIZ) signed an Implementation agreement for Ganga Rejuvenation under the Namami Gange Programme in New Delhi.
- 148.** Haryana Government has decided to rename Gurgaon as Gurugram and Mewat as Nuh.
- 149.** Federal Bank has tied up with Chillar Payment Solutions Pvt. Ltd. to promote the start-up's technology product 'Campus Wallet'.
- 150.** Actress Aishwarya Rai Bachchan has won the 'Global Indian of the Year' award.
- 151.** Former Army Chief General (retired) Joginder Jaswant Singh has been conferred with the highest French civilian honour 'Officier de l'Ordre national de la Legion d'Honneur' (Officer of the Legion of Honour).
- 152.** Maharashtra cadre IPS officer Meeran C Borwankar has appointed as the new Director General (DG) of Bureau of Police Research and Development (BPR&D) till the date of her superannuation in 2017.
- 153.** Former Indian woman biker Veenu Paliwal has died in a road accident in Vidisha district, Madhya Pradesh. She was 44 year old.

- 154.** Author and poet Padma Sachdev was selected for the prestigious Saraswati Samman for 2015 for her autobiography titled Chitt-Chete, written in Dogri language.
- 155.** India's SSP Chawrasia, who clinched the Hero Indian Open last month, has been named the Hilton Asian Tour Golfer of the Month for March.
- 156.** England and Nottinghamshire batsman James Taylor announced his retirement at the age of 26 due to ill health.
- 157.** The government has replaced the conventional tendering process for power purchase by state power distributors with an e-bidding platform named DEEP (Discovery of Efficient Electricity Price).
- 158.** Days before the second phase of the odd-even anti-traffic scheme which begins from April 15, the government launched 'PoochhO Carpool app' to help people explore carpooling options during the 15-day car-rationing exercise.
- 159.** Tiny South Pacific island nation Nauru has become the 189th member of the International Monetary Fund (IMF) and the World Bank i.e. Bretton-Woods institutions.
- 160.** Cabinet has given its approval for India adopting the Statute of the South Asia Wildlife Enforcement Network (SAWEN) and becoming its formal member in order to strengthen ties with the member countries in controlling the trans-boundary wildlife crime through communication, coordination, collaboration, capacity building and cooperation in the region.
- 161.** Indigenously developed surface-to-air supersonic Akash missile System was successfully test fired from complex-3 of the Integrated Test Range (ITR) at Chandipuri in Odisha.
- 162.** The Constitutional Council of Nepal has selected Justice Sushila Karki (63) for the post of Chief Justice (CJ) of the Supreme Court of the country.
- 163.** Maharashtra Chief Minister Devendra Fadnavis launched 'Mission Drinking Water. The mission was launched in the backdrop of recurring droughts and severe water crisis in Marathwada and Vidarbha region of the state.
- 164.** Maharashtra Legislative Assembly on 13 April 2016 unanimously approved the Prohibition of Social Boycott Bill, 2016. The bill seeks to crack down on extra-judicial bodies like caste and community panchayats.
- 165.** Odisha Chief Minister Naveen Patnaik inaugurated opening of 100 more Aahar centres across the State as part of Government's cheap meal programme for the poor.
- 166.** After Nehru Memorial Society, the Modi government reconstituted the management of Indira Gandhi National Centre for the Arts (IGNCA) bringing in veteran Hindi journalist Ram Bahadur Rai as its head in place of Chinmaya Gharekhan, a former diplomat.
- 167.** Prime Minister Narendra Modi launched the Gramodaya se Bharatodaya Abhiyan (village self-governance) campaign on the occasion of the 125th birth anniversary of Dr BR Ambedkar.
- 168.** India remained the world's largest recipient of remittances from abroad in 2015, despite a \$1 billion drop from the previous year, the first such decline since 2009.
- 169.** World Bank Group President Jim Yong Kim and Asian Infrastructure Investment Bank President Jin Liqun signed the first co-financing framework agreement between the two institutions.
- 170.** Barack Obama appoints MasterCard CEO Banga to key administration post.
- 171.** Punit Soni, the chief product officer of Flipkart has quit his post at the startup a year after joining the company, according to three sources familiar with the development.
- 172.** Indian woman boxer M C Mary Kom added another honour to her list of accolades as she was named one of the eight ambassadors for the upcoming World Championships by the International Boxing Association (AIBA).
- 173.** Paytm founder Vijay Shekhar Sharma will chair the newly formed Payments Banks Group at industry body Internet and Mobile Association of India (IAMAI).
- 174.** Union Government appointed Susmita Pande as the new chairperson of the National Monument Authority (NMA). She is professor a professor at Ujjain's Vikram University. She would succeed Himanshu Prabha Ray
- 175.** Delhi bans chewable tobacco for a year. The Delhi government has banned for one year the sale, purchase and storage of all forms of chewable tobacco, including "guthka, pan masala, khaini and zarda", in the Capital.
- 176.** Online trading platform for farm goods launched. Prime Minister Narendra sowed the seeds for a farming revolution, with the launch of e-NAM, an online portal for trading in agriculture produce, which promises to liberate farmers from the clutches of middle-men and realise fair market value for their yields.
- 177.** Prime Minister of India Mr. Narendra Modi has inaugurated the two days Maritime India Summit 2016 (MIS 2016) in Goregaon, Mumbai.
- 178.** India and the US have agreed to enhance collaboration on tackling offshore tax evasion and increase cooperation in sharing of cross-border tax information.
- 179.** The New Development Bank (NDB), commonly known as BRICS bank, has sanctioned its first batch of loans, including \$250 million to India's renewable energy projects.
- 180.** Canada's poorest children are falling further behind, according to a UNICEF report card that ranks the country in the bottom third among OECD and EU nations when it comes to inequality in the well-being of its youngest citizens.
- 181.** Raghubar Das, the Chief Minister of Jharkhand has launched the "Bhimrao Ambedkar Awas Yojana" for widows on the 125th birth anniversary of B R Ambedkar.
- 182.** Himachal Pradesh celebrated 69th Himachal Day on 15th April 2016.

- 183.** The National Institute of Technology (NIT) Sikkim has unveiled the Supercomputer Param Kanchenjunga.
- 184.** Ukraine's parliament approved presidential ally Volodymyr Groysman as prime minister in the biggest political shakeup since a 2014 uprising brought in a pro-Western leadership.
- 185.** The Union Government has renamed Panagarh Air Force Base of West Bengal as Air Force Station Arjan Singh, to honour the Marshal of the Air Force Arjan Singh.
- 186.** PP Pandey, a senior IPS officer has been appointed as the in-charge director general of police (DGP) of Gujarat.
- 187.** The award winning Malian photographer, Malick Sidibe has passed away recently. He was 80 year old.
- 188.** National Capital of India, Delhi has been ranked 44th among the world's 50 'future-ready economies cities' that are embracing technology for growth.
- 189.** The Indian Army conducted major battle exercise named as 'Shatrujeet' in the Thar Desert of Rajasthan near to the border with Pakistan. The sole purpose of the exercise was to evaluate the capability of the Indian Army and fine tune its proactive war strategy to respond swiftly to any threat to nation's security.
- 190.** The G20 countries meeting of its Finance Ministers and Governors of Central Banks on the sidelines of the annual Spring Meeting of the International Monetary Fund and the World Bank at Washington.
- 191.** The search engine giant Google has extended free internet service through WiFi to 10 railway stations across the country to provide internet to over 1.5 million people.
- 192.** The co-founder of Hero Cycles group Satyanand Munjal passed away in Ludhiana, Punjab. He was 99.
- 193.** World Heritage Day was observed all over the world on 18 April.
- 194.** The World's largest wooden Charkha (spinning wheel) is planned to be installed at Terminal 3 of the Indira Gandhi International Airport in New Delhi.
- 195.** National Mission for Clean Ganga under the Ministry of Water Resources, River Development and Ganga Rejuvenation in collaboration with Indian Institute of Technology, Kanpur (IITK) announced the formal launch of Centre for Ganga River Basin Management and Studies (CGRBMS) in New Delhi.
- 196.** A US grand jury has slapped two companies of India's Tata group -Tata Consultancy Services(TCS) and Tata America International Corp. with a USD 940 million fine in a trade secret lawsuit filed against them.
- 197.** From now onward all the Banks have to share the transaction details in a standard format.
- 198.** Financial Software & Systems Pvt. Ltd. (FSS), a Chennai-based payments technology and transaction processing company, has inked agreements with six banks to provide UPI (Unified Payment Interface) solution across the country on a hosted platform.
- 199.** Forbes in its inaugural edition of Global Game Changers List launched this year has ranked some of the biggest names in business. Topped by Mark Benioff of Salesforce.com and Mark Zuckerberg of Facebook (ranked 30).
- 200.** The Mumbai Press Club selected T N Ninan, Chairman and Editorial Director of Business Standard, for this year's 'RedInk Award for Lifetime Achievement in Journalism'.
- 201.** Mandd Sobhan, a Konkani cultural organisation, will set up a Konkani museum in Mangaluru.
- 202.** Sri Lanka spinner Rangana Herath has retired from 50-over and Twenty20 internationals in order to carry on playing test matches.
- 203.** Nico Rosberg claimed a dominant win in an action-packed Formula One Chinese Grand Prix to extend his championship lead over Mercedes team mate Lewis Hamilton, who battled up to seventh with some feisty driving after starting last.
- 204.** Australia has won the 25th edition of Sultan Azlan Shah Cup by defeating India in the final held in Ipoh, Malaysia.
- 205.** The Beti Bachao Beti Padhao Scheme was launched by the Prime Minister Shri Narendra Modi and has completed one year of implementation. On completion of its first year, the BBBP scheme is being expanded in additional 61 districts across 11 States/UTs with low Child Sex Ratio.
- 206.** According to agency Carat, India's 2016 advertising growth rate will be the fastest at 12%, which is ahead of global average of 4.5%.
- 207.** Continuing the deflationary trend for 17th month, WPI inflation was at (-)0.85 per cent in March but may inch up gradually in the coming months on growing pressure on food and vegetable prices.
- 208.** Prime Minister Narendra Modi today dedicated the Shri Mata Vaishno Devi Narayana Superspeciality Hospital to the people of Jammu and Kashmir in Katra belt of Reasi district.
- 209.** The Union Minister for Women & Child Development, Smt Maneka Sanjay Gandhi inaugurated the Regional Conference of North Eastern States on Child Adoption in Shillong, Meghalaya.
- 210.** India, Afghanistan and Iran have finalized draft of the Chabahar Trilateral Agreement on Transport and Transit Corridors.
- 211.** India and Mauritius have signed an MoU on cooperation in the field of traditional system of medicine and Homoeopathy.
- 212.** India is likely to buy 145 M777 Howitzers for \$750 million to equip its Mountain Strike Corps.
- 213.** Minister of State for Petroleum & Natural Gas, Dharmendra Pradhan visited Bangladesh for 3 days. The visit is to take stock of the ambitious agenda set for the India-Bangladesh Hydrocarbon Sector during the visit of Prime Minister, Shri Narendra Modi to Bangladesh in June 2015.
- 214.** Minister of State for Culture and Tourism Dr. Mahesh Sharma released a memorial Coin of Rs. 200/- and a

- Circulation Coin of Rs. 10/- on Taty Tope on the occasion of his Martyr Day in New Delhi.
- 215.** FICCI Ladies Organization (FLO) has planed to set up two Mahila Huts in Gujarat. These centres will help in the upliftment of women belonging to all sections of the society through education and training.
- 216.** 14th meeting of Foreign Ministers of Russia, India and China held in Moscow.
- 217.** Tennis stars, Novak Djokovic and Serena Williams have walked away with their third 'Sportsman and sportswoman of the Year' Laureus World Sports Awards respectively.
- 218.** The 2016 Pulitzer Prizes were announced on 18th April in the US. It is an award for achievements in newspaper and online journalism, literature, and musical composition in the United States.
- 219.** India ranks an abysmally low at 133 among 180 countries in the latest annual World Press Freedom Index which says Prime Minister Narendra Modi seems "indifferent" to the threats against journalists.
- 220.** The Union Cabinet chaired by the Prime Minister Shri Narendra Modi gave its approval for signing of a Memorandum of Understanding (MoU) between India and Bhutan on technical cooperation in the field of capacity building, benchmarking and bilateral exchange in infrastructure engineering.
- 221.** The Union Cabinet headed by the Prime Minister Mr. Narendra Modi has given its approval for the signing of the Paris Agreement adopted at the 21st Conference of Parties held at Paris in December last year.
- 222.** The Competition Appellate Tribunal (Compat) stayed penalties totalling Rs 256 crore imposed by Competition Commission of India (CCI) on Jet Airways, IndiGo and SpiceJet for fuel surcharge collusion.
- 223.** A Sri Lankan university will sign a Memorandum of Understanding (MoU) with Japan and India on trilateral collaboration in science and technology.
- 224.** The RBL Bank (formerly Ratnakar Bank) became the first private sector bank in India to open dedicated branch for startups.
- 225.** Panasonic India and AES India Private Limited has announced an agreement to construct a 10 MW energy storage array at Panasonic's Technopark manufacturing facility in Jhajjar, Haryana.
- 226.** The Haryana Government has notified its Affordable Plotted Housing Policy 2016 for low and medium potential towns under the Deen Dayal Jan Awas Yojna.
- 227.** Board of Control for Cricket in India - BCCI appointed Rahul Johri as its Chief Executive Officer (CEO).
- 228.** Barack Obama has nominated Indian-American Geeta Pasi as the country's next envoy to central African nation Chad.
- 229.** The Silicon Valley coach and mentor William Bill Campbell has passed away. He was 75 year old and was suffering from cancer.
- 230.** The five time Emmy award winning actress Doris Roberts has passed away. She was 90 year old.
- 231.** The second edition of 'Global Exhibition on Services' was inaugurated in UP's Greater Noida at India Expo Centre & Mart, Greater Noida by President of India, Pranab Mukherjee.
- 232.** The Prime Minister, Shri Narendra Modi conferred awards for excellence in implementation of priority programmes on the occasion of 10th Civil Services Day. For the priority programme Pradhan Mantri Jan Dhan Yojana (PMJSY), Nagaon, Assam was awarded in North East and Hill States category, Chandigarh in UTs and North 24 Parganas, West Bengal in Other States group.
- 233.** The first meeting of the recently constituted All India Handloom Board was held in New Delhi.
- 234.** The Three day Curtain Raiser International Yoga Fest inaugurated by Shri Shripad Yesso Naik. As per the Ayush Minister, National level event for celebration of International Yoga Day this year proposed to be held at Chandigarh.
- 235.** The Uttarakhand high court on revoke the imposition of President' rule in the state and revived the Congress government headed by Harish Rawat, who has been asked to prove his majority on 29 April.
- 236.** The International Monetary Fund (IMF) and World Bank has stated that they are going to join forces with other international organizations to cooperate on tax issues and develop new tools and standards to halt tax base erosion and evasion.
- 237.** Global professional services company Accenture said it opened a cyber centre here to expand its global security presence and help organisations tackle complex security challenges.
- 238.** The International Cricket Council (ICC) and Emirates Airline on 19 April 2016 renewed their deal for an additional seven years.
- 239.** The leading Indian tyre manufactures JK Tyre has announced that it had completed the acquisition of tyre, tube and flap maker Cavendish Industries at an enterprise value of Rs.2,200 crore.
- 240.** The National Assembly of Laos elected the chief of the ruling Communist Party, Bounnhang Vorachit, as President in a transition of power necessitated by the completion of the maximum permissible 10 years in office by outgoing president Choummaly Sayasone.
- 241.** Zee Media Corporation today said its Group CEO - News Cluster Bhaskar Das has quit following his transfer to another Essel Group entity.
- 242.** Senior IAS officer A Ajith Kumar appointed as Kerala-based Rubber Board's chairman, a post lying vacant for over a year and a half.
- 243.** Amitav Banerji, an Indian diplomat in the UK has been conferred with one of the highest awards of Cyprus for his

work in a number of senior roles within the Commonwealth Secretariat for over two decades.

- 244.** Retired Justice P K Mishra would be most probably the Lokayukta for Goa. Goa government has recommended his name to Governor Mridula Sinha.
- 245.** Comedian, singer and writer Victoria Wood has died after “a short but brave” battle with cancer aged 62.
- 246.** Each year, 22nd April is celebrated as Earth Day. This is an annual event which is celebrated all over the world to demonstrate support for environment protection.
- 247.** A special Twitter cell by the Narendra Modi government manned by a set of dedicated officers of the Commerce and Industry Ministry was launched.
- 248.** President Pranab Mukherjee will attend the observation of Khongjom and inaugurate a monument-cum-tourist Centre at Khongjom in Manipur tomorrow.
- 249.** The Department of Disinvestment has been renamed as Department of Investment and Public Asset Management or 'Dipam'.
- 250.** Union Minister for Science & Technology and Earth Sciences, Dr. Harsh Vardhan, inaugurated India's 1st Second-Generation (2G) Ethanol plant today at Kashipur in Uttarakhand.
- 251.** TIME released the list of 100 most influential people which featured six Indians including RBI Governor Raghuram Rajan and actress Priyanka Chopra. Tennis ace Sania Mirza, environmentalist Sunita Narain along with Flipkart Co-founders Sachin and Binny Bansal were other Indians on the list. The list also featured Indian-origin Google CEO Sundar Pichai.
- 252.** The eighth International Seminar on Wheat and Wheat Products is scheduled to be held in Panaji, Goa, on July 17-18, 2016.
- 253.** Full service airline Vistara has entered into a strategic partnership with Tata Consultancy Services (TCS).
- 254.** A part of the Tata group and India's largest IT services company, Tata Consultancy Services (TCS) has been recognized as one of the United Kingdom's leading employers for women in a list published by The Times.
- 255.** According to FDI Intelligence Report India has replaced China as the top Foreign Direct Investment (FDI) destination by attracting \$63 billion worth FDI projects in 2015.
- 256.** Mahatma Gandhi's granddaughter Tara Gandhi Bhattacharjee was conferred with the Order of Arts and Letters, one of France's top honours.
- 257.** Anti-slavery crusader Harriet Tubman will become the first African-American on the face of US paper currency. She also became the first woman in more than a century, when she replaces former President Andrew Jackson on the \$20 bill.
- 258.** The American music superstar Prince Rogers Nelson has passed away. He was 57 year old.
- 259.** India signed the historic Paris climate agreement here along with more than 170 nations, marking a significant step that has brought together developing and developed nations for beginning work on cutting down greenhouse gas emissions to combat global warming.
- 260.** Cab aggregator, Uber has entered into a partnership with Gujarat Tourism and FICCI in Ahmedabad city to facilitate training for Uber driver-partners.
- 261.** Bhupendra Kainthola, an Indian Information Service (IIS) officer of 1989 batch, has been appointed as the new Director of Film and Television Institute of India (FTII).
- 262.** Prime Minister Narendra Modi on May 1 will launch Rs. 8,000 crore scheme to provide 5 crore free LPG connections to Below Poverty Line (BPL) families using the money saved from 1.13 crore cooking gas users voluntarily giving up their subsidies.
- 263.** World Book Day is an annual event celebrated every year by the people all over the world on 23rd of April.
- 264.** Ace Indian shooter Jitu Rai finished sixth in the men's 50m pistol event on the fifth day of the International Shooting Sport Federation World Cup being held at the Olympic Shooting Centre in Rio de Janeiro.
- 265.** The ICC has suspended Hong Kong allrounder Irfan Ahmed for two years and six months after he admitted to breaching the ICC's Anti-Corruption Code. Ahmed has accepted the suspension and waived his right to appeal.
- 266.** BCCI is all set to host its first-ever day and night cricket Test with the pink ball during New Zealand tour to India.

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GK Tricky Notes: Trick to learn the countries in G20

The Group of Twenty (also known as the G-20 or G20) is an international forum for the governments and central bank governors from 20 major economies.

Founded in 1999 with the aim of studying, reviewing, and promoting high-level discussion of policy issues pertaining to the promotion of international financial stability. It seeks to address issues that go beyond the responsibilities of any one organization.

The members include 19 individual countries—Argentina, Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, Japan, South Korea, Mexico, Russia, Saudi Arabia, South Africa, Turkey, the United Kingdom and the United States—along with the European Union (EU).

The recent summits held of G20:

1. G20 Summit 2015: Antalya, Turkey
2. G20 Summit 2016: Hangzhou, China
3. G20 Summit 2017: Hamburg, Germany TRICK –

The Trick is:

**GURUJI (गुरुजी) SITA (सीता) AB (अब) SSC FCI
ME (में) जाँव करती है ।**

G—Germany
U-- USA
R-- Russia
U-- UK
J-- Japan
I-- India
S-- South Africa
I-- Indonesia
T-- Turkey
A-- Australia
A-- Argentina
B-- Brazil

S-- Saudi Arabia

S-- South Korea

C-- Canada

F-- France

C-- China

I-- Italy

M-- Mexico

E-- European Union

जाँव करती है -- silent words

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ONE STOP PORTAL FOR THE CURRENT AFFAIRS

CURRENT AFFAIRS ZINGER : MARCH 2016

1. Name the Malayalam film which won a prestigious Crystal Bear award at the Berlin film festival 2016
2. Who has been appointed as the Online fashion store Jabong's Chief Operating Officer recently?
3. Which country is the third largest base of technology start-ups in the world?
4. Name the company that has called off a Rs.5400-crore deal to buy Jaypee Group's 2.1 mtpa cement plant in Madhya Pradesh as new MMDR Act 2015 barred transfer of mines not allocated through auctions.
5. Who won the Best Actor award in the 88th Oscars?
6. What is the name of the party which was announced by V. Ponraj, who was scientific adviser to Kalam?
7. Which movie won the Best Pictures award at the Oscars 2016?
8. Japan has signed an agreement to supply defence equipment and technology to which country?
9. Name the Tamil Actor-comedian who passed away recently at the age of 77.
10. Name the Veteran singer who honoured with Global Green Hero award at the 13th Annual Global Green USA pre-Oscar party.
11. Which company launched the pilot of its new service in Bengaluru that will enable customers to get motorbike rides in minutes with just a push of a button?
12. Name the Leading e-commerce company which launched its own advertisement platform, Brand Story Ads, with over 50 leading brands on board.
13. What is the current rank of India in the latest global football rankings released by FIFA?
14. The Delhi Police and Tihar Jail authorities worked in close coordination to ensure a secret release of which JNUSU president and sedition accused from the prison after he was granted a six-month interim bail by High Court?
15. A 75-seater solar-powered passenger ferry, the first of its kind in the country is located in?
16. Name the veteran cricketer of New Zealand who died of cancer.
17. The Finance Ministry has approved the issuance of which schemes bonds by four states, according to Minister of Power Piyush Goyal?
18. Name the Veteran All India Forward Bloc (AIFB) leader and senior-most leader of the Left Front in West Bengal who died at the age of 94.
19. The largest Multinational Field Training Exercise (FTX) recently conducted in?
20. The government confirmed that Foreign Secretary S. Jaishankar would participate in the March 15-17 meeting of Foreign Ministers of South Asia in which country?
21. What is the name of the project which aimed to make all national highways free from railway level crossing by 2019 to ensure road safety?
22. Name the Former Lok Sabha Speaker who died of heart attack at the age of 68.
23. Name the country that will hike its defence budget by seven to eight per cent this year from about USD 145 billion in 2015 amidst its worst GDP growth in 26 years.
24. Rafael of Israel with which company signed a JV with which company to build weapon systems in India?
25. The Reserve Bank of India has issued draft norms for the creation of a new entity in the non-banking financial sector which is named as?
26. Name the founder director of the National Film Archive of India (NFAI), Pune who died at the age of 86.
27. Who is the Veteran actor who will be conferred the Dadasaheb Phalke award for his contribution to the film industry?
28. Name the Indian boxer who notched up his fourth successive knockout professional win by pummelling Hungary's Alexander Horvath in less than three rounds recently.
29. Who is the astronaut of NASA who announced his retirement after spending nearly a year in space?
30. What is the name of the India's sixth dedicated navigation satellite which ISRO successfully put into orbit recently?
31. Name the Deputy Leader of the Congress in the Rajya Sabha who has been elected unopposed to the Upper House from Himachal Pradesh, his home State recently.
32. Country's largest private sector lender ICICI Bank tied up with which marquee sports car maker to launch co-branded credit card?
33. Which airlines flew with the "world's longest" all-women-operated flight from Delhi to San Francisco recently?
34. Which App-based cab aggregator has partnered with the Mumbai traffic police to curb drunk driving by installing 'Its breathalysers' at bars and pubs in the city?
35. The Reserve Bank of India (RBI) will now share FDI-related information with which organizations to check black money from entering the country?
36. Which building became the first heritage building in India to be awarded a platinum rating by the Indian Green Building Council (IGBC)?
37. Maharashtra with which state signed an agreement to constitute an inter-state board for joint irrigation projects which will likely to speed up work on three key irrigation projects, which were under dispute between two States?
38. Name the Foreign Secretary of India who met with U.S. National Security Adviser Susan Rice and discussed bilateral ties and cooperation against terror groups such as Lashkar-e-Taiba and Jaish-e-Mohammed.
39. Indian Railways has appointed which global consultancy firm to help the utility mop up advertising revenues worth over Rs.5,000 crore in the next few years?
40. Which Private lender launched an all-women operated bank branch under the name 'Grace' on Cunningham Road which aimed at offering customised banking solutions to women?
41. Which country lifted their sixth Asia Cup T20 title by defeating Bangladesh in the finals?

42. Name the former actress who was fiercely protective of husband Ronald Reagan through a Hollywood career, eight years in the White House, an assassination attempt and her husband's Alzheimer's disease, died at age 94.
43. Name the Popular Malayalam actor who died at the age of 45 recently.
44. The Election Commission of India announced the schedule for Assembly elections in how many States and Union Territory, which will be conducted in multiple phases from April 4 to May 16?
45. After the resolution of the land boundary and maritime issues, which country is now looking up to India for an "immediate signing" of the Teesta water-sharing accord, which the two governments had agreed over four years ago?
46. Who is the ICC's Anti-Corruption Unit's present chairman?
47. The government has appointed whom to the board of the RBI recently in March 2016?
48. What is the full form of ESOP?
49. The Bengaluru Bench of the Debt Recovery Tribunal temporarily restrained U.K.-based Diageo Plc from paying \$75 million to which businessman?
50. Which company got the defence order for the supply of 2610 Future Infantry Combat Vehicles (FICV) to the Indian Army recently?
51. Fitch Ratings lowered India's economic growth forecast for next fiscal to how much percent, but maintained the GDP projection for current fiscal at 7.5 per cent?
52. Name the company which has committed an investment of Rs 25,000 crore in Haryana over the next seven years.
53. Name the Veteran singer who honoured with Global Green Hero award at the 13th Annual Global Green USA pre-Oscar party.
54. Name the Leading e-commerce company which launched its own advertisement platform, Brand Story Ads, with over 50 leading brands on board.
55. What is the current rank of India in the latest global football rankings released by FIFA?
56. A 75-seater solar-powered passenger ferry, the first of its kind in the country is located in?
57. Name the veteran cricketer of New Zealand who died of cancer.
58. The Inflation based on Wholesale Price Index remained in the negative zone for a 16th straight month at how much percent in February 2016 as food articles, mainly vegetables and pulses turned cheaper?
59. The 10-member ethics committee of Rajya Sabha which has been appointed to look the matter of Vijay Malya will be headed by?
60. India which country is in the process of finalising a "cross-border counter-terror mechanism" to deal with radicalisation, and to tackle the spread of citizens trying to join the terror group, the Islamic State?
61. Who will be made a saint on September 4, the Pope Francis announced recently, 19 years after the death of the Nobel Laureate who spent 45 years serving the poor and sick on the streets of Kolkata?
62. Name the bill which is approved by the Lok Sabha after its passage by Rajya Sabha, which is designed to protect consumer interest, ensure efficiency in all property-related transactions, improve accountability of developers, boost transparency and attract more investments to real estate sector.
63. Country's third-largest software services firm Wipro has appointed whom as an independent director to its board?
64. Michael Jackson's estate has agreed to sell its remaining stake in a lucrative music catalogue to which company for \$750 million?
65. The U.S. Defence Department confirmed the death of which key Islamic State (IS) leader as a result of injuries sustained during an airstrike conducted in Syria on March 4?
66. Taiwan's President Tsai Ing-wen of the pro-independence Democratic Progressive Party (DPP) appointed whom as the nation's future Prime Minister?
67. In the last decade, India has seen a 10-fold increase in its research collaboration with which country, according to a study commissioned by the Department of Science and Technology (DST) and conducted by Thomson Reuters?
68. Name the leader who will join the ranks of prominent global leaders at Madame Tussauds in London, Singapore, Hong Kong and Bangkok next month.
69. Name the Governor of Central Bank of Bangladesh who recently resigned from his post.
70. Public sector lender SBI has tied up with which taxi-aggregator to provide instant vehicle finance to 'driver-partners' on the latter's platform?
71. The Directorate of Enforcement is investigating the company which has launched smartphone for Rs. 251, for alleged contravention of Foreign Exchange Management Act (FEMA). Name the company.
72. Which stock exchange will soon list dollar-denominated index futures contracts namely, Nifty Bank, Nifty IT, Nifty CPSE and Nifty Midcap 50?
73. Which country took the top spot as the 'happiest country' in the world, displacing Switzerland, according to The World Happiness Report 2016, published by the Sustainable Development Solutions Network (SDSN), a global initiative of the United Nations?
74. Which Telecom major will acquire Videocon Telecommunications's spectrum in six circles in the 1800 MHz Band for a consideration of Rs. 4,428 crore?
75. Which is the cleanest railway station in the country, followed by Rajkot and Bilaspur (Chhattisgarh), according to an Indian Railway Catering and Tourism Corporation (IRCTC) survey?
76. Low-cost carrier AirAsia India announced whom as its CEO with effect from April 1 2016?
77. The Railway Ministry has signed an agreement with which organization to leverage space technology for providing passenger information in all trains, map railway assets and help survey new route alignments?
78. Name the founding promoter of the Bengaluru franchise, RCB of the Indian Premier League (IPL) who has ceased to be the director of Royal Challengers Sports Private Limited (RCSPL).
79. Honeywell Automation India Ltd (HAIL) announced the appointment whom as its new Chairman?
80. What is the rank of India in The World Happiness Report 2016?
81. Name the person who carried on his famous father's legacy with his own music career and whose kidnapping as a young man added a bizarre chapter to his father's legendary life, died recently.

82. Name the Indian leader who is among the most influential people on the Internet, according to TIME magazine.
83. The Interest rate under the Public Provident Fund scheme will be cut to how much percent for the period from April 1 to June 30 from 8.7 per cent?
84. The Interest rate on the KVP will be cut to how much percent from 8.7 per cent?
85. Name the Technology giant who will invest USD 100 million in India by 2020, to support the Government's Digital India initiative.
86. Pharmaceutical major Pfizer has appointed whom as its new Managing Director (MD) with immediate effect for a period of five years?
87. Who has been selected as the next head of the U.S. military's Northern Command, which will make her the first woman to head a U.S. combatant command?
88. Secretary-General Ban Ki-moon named whom as an honorary U.N. ambassador to encourage young people to go "green" and step up action to tackle climate change?
89. Government allows how much percent FDI in insurance under automatic route?
90. Which Grand Prix was halted by a red flag after a crash between McLaren's Fernando Alonso and Haas's Mexican driver Esteban Gutierrez left the former's car wrecked, with debris littered across the Albert Park circuit?
91. Name the Bangladesh pace sensation who was suspended for bowling with an illegal action by the ICC, dealing a massive blow to the team's campaign in the ongoing World Twenty20.
92. Name the Indian wrestler who has bagged an Olympic quota in the men's 65 kg freestyle category at the ongoing Asian qualifying tournament.
93. Who has won the 2016 Abel prize for his "stunning proof of Fermat's last theorem by way of the modularity conjecture for semistable elliptic curves, opening a new era of mathematics," (to quote from the citation)?
94. Nepal secured transit rights through which country following an agreement between Prime Minister K.P. Sharma Oli and his counterpart?
95. Name the girl who won the 100-metre dash at the Street Child Games held in Rio de Janeiro in Brazil recently.
96. Signalling India's deepening naval engagement in the Indian Ocean, the Indian navy has for the first time deployed one of its advanced maritime reconnaissance aircraft to which country for surveillance of the island nation's Exclusive Economic Zone?
97. The country's current account deficit (CAD) narrowed to how much percent of GDP during the October-December quarter of the financial year, mainly due to lower trade deficit?
98. PVR Ltd, India's biggest multiplex chain announced a strategic partnership to sell PVR's movie tickets on which e-commerce platform?
99. Who has been re-elected as the Zanzibar President recently?
100. Sachin Tendulkar has invested an undisclosed sum in which firm and has also become the brand ambassador of the company?
101. Ashok Leyland Defence Systems (ALDS), a division of Hinduja Group flagship company Ashok Leyland has selected which firm to develop light specialist vehicle and light armoured multi-purpose defence vehicles for armed forces?
102. Property consultant JLL India has tie-up with which online marketplace to sell homes, as it seeks to tap the growing e-commerce business in India?
103. Name the bank which has raised Rs 500 crore from issue of bonds on a private placement basis recently.
104. Name the India's biosphere reserve that placed among 20 UNESCO world biosphere reserves.
105. Which country will host the eighth annual summit of BRICS from October 15-16 in its capacity as chair of the influential bloc comprising five countries — Brazil, Russia, India, China, South Africa?
106. Name the Ex-Intel CEO who passed away recently.
107. Who was unanimously elected as PDP legislature party leader?
108. Name the legendary Dutch soccer striker and coach who died of lung cancer at the age of 68 recently.
109. Name the Beleaguered business tycoon who has decided to step down as the Chairman of pharma major Sanofi India, nearly 33 years after he assumed the post.
110. Fresh from his landmark trip to Cuba, U.S. President Barack Obama will now travelled to which country, where four decades later resentment still simmers over Washington's backing for its former dictatorship?
111. The Union Cabinet gave its ex-post facto approval for a Memorandum of Understanding (MoU) between India and which country to mobilise up to \$75 billion long-term investment in the National Investment and Infrastructure Fund (NIIF)?
112. Name the Australian all-rounder who will quit international cricket after the ongoing World Twenty20 in India.
113. Prime Ministers of India with which country commissioned international gateway of internet service in Agartala and supply of 100MW power from Tripura?
114. The country's foreign exchange reserves rose how much amount for the week ended March 18, according to the latest data released by the Reserve Bank of India?
115. Name the Tata Steel Ltd, Europe unit's chief executive who is stepping down to take up a senior leadership position with a large, privately owned industrial company in Germany.
116. Name the 'World's Fastest Kiwi' who completed his journey of the Indian Golden Quadrilateral on his bicycle recently.
117. Name the President of Iran who has arrived in Pakistan on a landmark visit, his first since becoming President.
118. Name the Nepal's Army Chief which is likely to leave for a week-long trip to China on March 27 to strengthen bilateral military ties between the two countries.
119. Who has been appointed by the Geneva-based UNHRC as the Asia-Pacific representative of the UN Working Group on the issue of human rights and transnational corporations and other business enterprises recently?
120. Finance Minister Arun Jaitley said the government would soon launch a 'Stand-up India' scheme to provide loans of up to how much amount to help members of SC/ST community, to enable them to set up big industries and turn into big entrepreneurs?
121. India with which country is on track to conclude two helicopter deals i.e. Kamov utility helicopters and additional Mi-17 medium lift helicopters together worth over USD two billion by year end for which discussions are in an advanced stage?

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- The Essay should be strictly to the point and should have some pictorial representation of the data.
- Essay should be written in own hand or can be typed by the candidates.
- The Essay should not exceed a word limit of 1500.
- The Essay accompanied by a passport sized photograph must be sent by mail or courier.
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122. Name the leader from India who has been named among the world's 50 greatest leaders by Fortune magazine being the sole Indian leader on the list topped by Amazon CEO Jeff Bezos.
123. Name the Australian actor who turned real-life action hero at Sydney's Bondi Beach, when he helped his son and another man to safety from strong currents in the surf.
124. Who was chosen for Lifetime Achievement Award at the second Hockey India Annual Awards?
125. Name the players who walked away with the Player of the Year honours at the second Hockey India Annual Awards ceremony for 2015.
126. Name the tennis player from the Sania Mirza Tennis Academy who recently won her 10th ITF women's doubles title at Puebla (Mexico) recently.
127. Who won the Best Actor Award at the 63rd National Film Awards which were announced recently?
128. Who won the Best Actress Award at the 63rd National Film Awards which were announced recently?
129. Name the movie which was declared the Best Feature Film at the 63rd National Film Awards.
130. The President Rule is recently imposed by the President in which state?
131. Snapdeal-owned digital payments platform FreeCharge has partnered with which payment gateway to strengthen its offline offerings, as it gains access to over one lakh online merchants across sectors like hospitality, retail and education?
132. Name the former RBI Deputy Governor, who will join Nestle India's board as an independent director.
133. Wipro announced a five-year partnership with which country's top food service company to deliver energy management services and help reduce energy and operational costs?
134. The government is likely to infuse additional capital of how much amount in some public sector banks in the coming week?
135. Power equipment manufacturer Bharat Heavy Electricals Limited (BHEL) has commissioned the second 40 MW hydropower generating unit in which state recently?
136. The Health Ministry launched the country's first, indigenous rotavirus vaccine to combat which disease?
137. Air Force chief Air Chief Marshal Arup Raha recently left for a four-day visit to which country during which key ongoing and future defence projects between the two countries will be discussed?
138. Name the Global Catholic Network founder who died recently at the age of 92.
139. Who has been given the responsibility of guiding Delhi Daredevils in the ninth season of the IPL with the franchise naming him the captain of the side?
140. Indian Army signed a follow-on contract with which company which will supply an additional 619 units of its high-mobility vehicle (HMV) 6X6 multi-axle trucks for an unspecified amount?
141. Name the company which will hike its stake in AirAsia India to 49 per cent by acquiring additional shares from Arun Bhatia's Telestra, which will be exiting the no-frills airline.
142. The U.S. returned an ancient decapitated statue of Hindu god Rama stolen from which country during the South East Asian country's civil war in the 70s?
143. Name the volcano on Alaska's Aleutian Islands which erupted and sent ash 20,000 feet into the air.
144. Name the Renowned playback singer who was recognised by both the Guinness Book of World Records and Asia Book of Records for singing most number of songs in Indian languages.
145. Name the Director of Area Cyclone Warning Centre who was also known as "Rain Man" who will end his 36-year-long career on March 31, 2016.
146. Which country air plane which was flying from Alexandria to Cairo was hijacked and forced to land in Cyprus but the passengers and crew were freed unharmed and the hijacker, whose motives remained a mystery, was arrested after giving himself up?
147. The government permitted how much percent Foreign Direct Investment (FDI) in the market place format of e-commerce retailing in order to attract more foreign investments?
148. SoftBank Ventures Korea has invested an undisclosed amount in which India-based app, that helps keep track of the balance available on prepaid mobile accounts?
149. Which bank will lend India €450 million (approximately Rs. 3,300 crore) towards constructing a 23-km long Lucknow Metro rail line and a purchasing a fleet of new trains?
150. Indian citizens in distress will soon be able to get help using a single number, for all emergency services in the country, including the police, fire brigade and ambulance. What is the number?
151. Anil Ambani-led Reliance Defence Ltd, with which company of Israel have decided to set up a joint venture company in India in the highly specialized areas of air-to-air missiles, air defence systems and large aerostats, that will oversee projects worth USD 10 billion (over Rs 65,000 crore) in ten years?
152. State-run Bank of India said that the government has approved a capital infusion of how much amount in lieu of preferential allotment of shares?
153. Prime Minister Narendra Modi paid his respects to the victims of the March 22 terror attacks in which country by laying a wreath at the entrance to the Maalbeek metro station?
154. Finance Minister Arun Jaitley launched 'Make in India' conference in which country recently?
155. Which company has signed a pact with Elbit-ISTAR and Alpha Design Technologies to work in the field of Unmanned Aircraft Systems (UAS) in India?
156. Name the Hungarian writer who won the 2002 Nobel Prize for Literature for fiction largely drawn from his experience as a teenage prisoner in Nazi concentration camps, died at the age of 86.
157. Which country's government has committed a loan of Around Rs.14,251 crores for various projects across India, including Jharkhand, Odisha, Madhya Pradesh and the North East?
158. The 13th India-EU Summit concluded in which country without a consensus on a bilateral free trade deal known as the BTIA (Broadbased Trade and Investment Agreement)?
159. South Africa's top court ordered the President to pay back some of the \$16 million of state money spent for upgrading his private home, in a stinging rebuke that hits the scandal-plagued leader financially and politically. Name the President.
160. Who will take the oath as the first woman CM of Jammu and Kashmir ending 11 weeks of political uncertainty?

ANSWERS:

- | | | |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------|
| 1. Ottaal (The Trap) | 51. 7.7 per cent | 105. India |
| 2. Muralikrishnan B | 52. Indiabulls Housing Finance Ltd. | 106. Andy Grove |
| 3. India | 53. Stevie Wonder | 107. Mehbooba Mufti |
| 4. UltraTech | 54. Flipkart | 108. Johan Cruyff |
| 5. Leonardo DiCaprio' | 55. 160th | 109. Vijay Mallya |
| 6. Abdul Kalam Vision India Party' | 56. Answer. Aroor in Alappuzha district, Kerala | 110. Argentina |
| 7. Spotlight | 57. Martin Crowe | 111. United Arab Emirates (UAE) |
| 8. Philippines | 58. (—) 0.91 per cent | 112. Shane Watson |
| 9. Kumarimuthu | 59. Karan Singh | 113. Bangladesh |
| 10. Stevie Wonder | 60. Maldives | 114. \$355.94 billion |
| 11. Uber | 61. Mother Teresa | 115. Karl Koehler |
| 12. Flipkart | 62. The Real Estate (Regulation and Development) Bill, 2013 | 116. Tim Chittock |
| 13. 160th | 63. Patrick J Ennis | 117. Hassan Rouhani |
| 14. Kanhaiya Kumar | 64. Sony Corp. | 118. Gen Rajendra Chhetri |
| 15. Aroor in Alappuzha district, Kerala | 65. "Omar the Chechen" | 119. Surya Deva |
| 16. Martin Crowe | 66. Lin Chuan | 120. Rs. 1 crore |
| 17. Ujjwal Discom Assurance Yojana (UDAY) | 67. Saudi Arabia | 121. Russia |
| 18. Ashok Ghosh | 68. Prime Minister Narendra Modi | 122. Arvind Kejriwal |
| 19. Pune | 69. Dr. Atiur Rahman | 123. Hugh Jackman |
| 20. Kathmandu, Nepal | 70. Uber | 124. Late Capt. Shankar Laxman |
| 21. Setu Bharatam' project | 71. Ringing Bells | 125. P.R. Sreejesh and Deepika |
| 22. Purno Agitok Sangma | 72. Singapore Exchange (SGX) | 126. Prarthana Thombare |
| 23. China | 73. Denmark | 127. Amitabh Bachchan |
| 24. Kalyani Rafael Advanced Systems | 74. Airtel | 128. Kangana Ranaut |
| 25. NBFC – Account Aggregator (AA) | 75. Surat | 129. Baahubali |
| 26. P.K. Nair | 76. Amar Abrol | 130. Uttarakhand |
| 27. Manoj Kumar | 77. Indian Space Research Organisation (ISRO) | 131. CCAvenue |
| 28. Vijender Singh | 78. Vijay Mallya | 132. Rakesh Mohan |
| 29. Scott Kelly | 79. Suresh Senapaty | 133. Jubilate FoodWorks |
| 30. The IRNSS-1F | 80. 118th | 134. About Rs. 5,050 crores |
| 31. Anand Sharma | 81. Frank Sinatra Jr. | 135. West Bengal |
| 32. Ferrari | 82. Prime Minister Narendra Modi | 136. Diarrhoea |
| 33. Air India | 83. 8.1 per cent | 137. Israel |
| 34. Uber | 84. 7.8 per cent | 138. Mother Mary Angelica |
| 35. Intelligence Bureau (IB) and Research and Analysis Wing (RAW) | 85. Cisco | 139. Zaheer Khan |
| 36. Bombay House, the Tata group's headquarters | 86. S Sridhar | 140. Tata Motors |
| 37. Telangana | 87. U.S. Air Force General Lori Robinson | 141. Tata Sons |
| 38. S. Jaishankar | 88. Red, the character in Angry Birds | 142. Cambodia |
| 39. Ernst &Young (EY) | 89. 49% | 143. Pavlof Volcano |
| 40. Yes Bank | 90. Australian Grand Prix | 144. P. Susheela Mohan |
| 41. India | 91. Taskin Ahmed | 145. S.R.Ramanan |
| 42. Nancy Reagan | 92. Yogeshwar Dutt | 146. Egypt |
| 43. Kalabhavan Mani | 93. Andrew Wiles, British mathematician | 147. 100 per cent |
| 44. 4 states and 1 UT States: Tamil Nadu, Kerala, West Bengal, Assam UT: Puducherry | 94. China | 148. True Balance App. |
| 45. Bangladesh | 95. Hepsiba | 149. The European Investment Bank (EIB) |
| 46. Sir Ronnie Flanagan | 96. Seychelles | '150. 112' |
| 47. N Chandrasekaran, Bharat Doshi & Sudhir Mankad. | 97. 1.3 per cent | 151. Rafael Advanced Defence Systems Ltd |
| 48. Employee Stock Ownership Plan (ESOP) | 98. Paytm | 152. Rs. 1,150 crores |
| 49. Vijay Mallya | 99. Ali Mohamed Shein | 153. Brussels |
| 50. Tata Motors | 100. Smartron India | 154. Sydney, Australia |
| | 101. US-based Lockheed Martin | 155. Adani Aero Defence |
| | 102. Snapdeal | 156. Imre Kertesz |
| | 103. The State Bank of India | 157. Japan |
| | 104. Agasthyamala Biosphere Reserve (ABR) | 158. Brussels |
| | | 159. Jacob Zuma |
| | | 160. Mehbooba Mufti |

Twisted Ones Reasoning

Directions (1-5): Study the given information carefully to answer the given questions.

Jack, Krishna, Leon, Monty, Prince, Queen, Ricky and Smith are sitting around a circular table facing the centre at equal distances between each other (but not necessarily in the same order). Each one of them is also related to Monty in some way or the other. Only two people sit between Queen and Leon. Monty sits second to the left of Queen. Only three people sit between Leon and Monty's sister. Monty's son sits second to the right of Monty's sister.

Only one person sits between the son of Monty and Smith. Jack sits on the immediate right of Ricky. Ricky is neither the son nor the mother of Monty. Smith is an immediate neighbor of Monty's mother. Only three people sit between Monty's mother and Monty's brother. Monty's daughter sits second to the left of Monty's brother.

Monty's father is not an immediate neighbor of Monty. Monty's wife sits third to the right of Krishna.

- Who sits second to the right of Ricky?
 - Monty's brother
 - Monty
 - Ricky
 - Krishna
 - Monty's daughter
- How many people sit between Krishna and Leon, when counted from the left of Leon?
 - Six
 - One
 - None
 - Two
 - Four
- Which of the following statements is true with respect to the given information?
 - Ricky sits second to the right of Monty's wife.
 - Krishna is an immediate neighbor of Ricky.
 - Monty sits second to the left of Leon.
 - All the given options are not true.
 - Smith is son of Leon.
- How is Krishna related to Ricky?
 - Son-in-law
 - Uncle
 - Niece
 - Brother
 - Daughter
- Who amongst the following is the wife of Monty?
 - Nathan
 - Leon
 - Octavo
 - Queen
 - Jack

Directions (6-10): Read the following information carefully and answer the questions given below:

Ten businessmen Mukesh Ambani, Anil Ambani, Anand Mahindra, Sunil Mittal, Vijay Mallya, Rahul Bajaj, Dilip Sanghvi, Azim Premji, Lakshmi Mittal and Cyrus Mistry are travelling by ten different airlines to ten

different destinations. The Airlines are – Air India, Lufthansa, Virgin Airlines, British Airways, Go Air, Qatar Airways, Cathay Pacific, Thai Airways, Fly Emirates and Air Arabia. The ten destinations are Brazil, South Africa, Sydney, New York, Hong Kong, Seoul, Myanmar, Durban, Dubai and Paris, but not necessarily in the same order.

- Anil Ambani is travelling to South Africa.
 - Vijay Mallya is travelling by Go Air and going to Hong Kong.
 - The person travelling by Air Arabia is going to Paris.
 - Dilip Sanghvi is travelling by Cathay Pacific.
 - Lakshmi Mittal is travelling to Dubai.
 - Azim Premji is travelling to Durban.
 - Rahul Bajaj is travelling to Seoul by Qatar Airways.
 - Sunil Mittal is travelling by British Airways to New York.
 - Neither Mukesh Ambani nor Anil Ambani is travelling by Fly Emirates.
 - Lakshmi Mittal is not travelling by Air India or Lufthansa.
 - Mukesh Ambani travels neither by Air India nor by Thai Airways.
 - The person who travels to Sydney is using Virgin Airlines.
 - Mukesh Ambani is travelling to Brazil.
 - Anand Mahindra is travelling by Virgin Airlines and Azim Premji by Thai Airways.
- Lakshmi Mittal is travelling by which airline?
 - Thai Airways
 - Go Air
 - Air India
 - Other than given options
 - Virgin Airlines
 - Dilip Sanghvi is travelling to which destination?
 - Myanmar
 - Dubai
 - Paris
 - South Africa
 - Hong Kong
 - Which of the following pairs is correct?
 - Cyrus Mistry – Air Arabia – Hong Kong
 - Azim Premji – Thai Airways – Sydney
 - Anand Mahindra – British Airways – Sydney
 - Rahul Bajaj – Qatar Airways – Seoul
 - Dilip Sanghvi – Go Air – Myanmar
 - Anil Ambani is travelling by which airline?
 - Air India
 - Lufthansa
 - Thai Airways
 - Fly Emirates
 - Either Air India or Lufthansa
 - Mukesh Ambani is travelling by which airline and to which destination?
 - Qatar Airways – Seoul

- (b) British Airways–New York
- (c) Lufthansa – Sydney
- (d) Lufthansa – Brazil
- (e) Virgin Airlines – Sydney

11. This consists of a statement followed by two courses of action numbered I and II given below it. A course of action is an administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy etc. You have to assume everything in the statement to be true and then decide which of the suggested courses of action logically follows from the given statement.

Statement: There have been structural shifts from agriculture to industry in country Z. While industries contribute to 67% of the country's GDP, it is leading to a steady and undesirable decline in the participation of labour force in agriculture.

I. The government should curtail the number of industries borrowing up in the country in order to promote agriculture.

II. Incentives for working in agriculture should be made competitive with that of other sectors.

- (a) Either I or II is true
- (b) Both I and II are true
- (c) Neither I nor II is true
- (d) Only II is true
- (e) Only I is true

12. Read the following information carefully and answer the question which follows:

As per a recent survey 85% of the work force today is either actively looking for a job or open to talking to recruiters and relevant opportunities; the ones who are satisfied with their job are few in number.

Which of the following may be a **reason** for the above mentioned results of the survey?

- (a) As there is a wide array of opportunities today and headhunters are always seeking for professionals, people are not willing to let go of an opportunity to do something new and challenging.
- (b) As per a recent survey more than 40% people today are dissatisfied with their jobs there is the wide gap between what they study in the class room as compared to the actual work they do.
- (c) Some people in the country take education loan for completing higher education and are expected to repay the loans themselves after they start working.
- (d) As employees today are of different age group and backgrounds it becomes difficult for the HR department to organize employment engagement activities to improve the job satisfaction of employees.

(e) Only a few people study for highly specialized courses in the country and they are always in demand as there is a high scale gap in many organizations.

Directions (13-14): Each of the following questions consists of a statement followed by two statements numbered I and II given below it. You have to decide which of the given statements numbered I and II weakens or strengthens the statement and mark the appropriate answer.

13. Statement: The world should move towards using bio-fuels in the future as these are more environment-friendly as compared to regular fossil fuels.

I. While bio-fuels are cleaner to burn, the process to produce the fuel, including the necessary machinery, leads to very high carbon emission.

II. As bio-fuels are manufactured from materials such as crop waste, manure and other by-products, these, unlike fossil fuels, are easily renewable.

- (a) Statement I weakens the information while statement II is a neutral statement.
- (b) Both statement I and II weaken the information.
- (c) Statement I strengthens the information while statement II weakens it.
- (d) Statement I weakens the information while statement II strengthens it.
- (e) Both statement I and II strengthen the information.

14. Statement: Always remain in an air-conditioned environment for better health and well-being.

I. Filters in the air-conditioners lower exposure to allergy-creating pollen and other outdoor allergies.

II. Spending too much time in an air-conditioned environment results in gradual intolerance of the body towards natural temperatures.

- (a) Statement I weakens the information while statement II is a neutral statement.
- (b) Both statement I and II weaken the information.
- (c) Statement I strengthens the information while statement II weakens it.
- (d) Statement I weakens the information while statement II strengthens it.
- (e) Both statement I and II strengthen the information.

15. Read the given information carefully and answer the given question.

Five fishermen from Country X were sentenced to death by the High Court of Country Y on charges of smuggling narcotics from Country X to Country Y.

Which of the following **supports** the legal action taken by country Y?

(A) Country X had given details of a new fisherman that had no record of involvement in drug-related activities.

(B) The naval authorities of both the country X and Y have found traces of narcotics in the fish boxes that were shipped from Country X to Country Y by these fishermen.

(C) All the fish boxes that are shipped between countries undergo a strict process of checking.

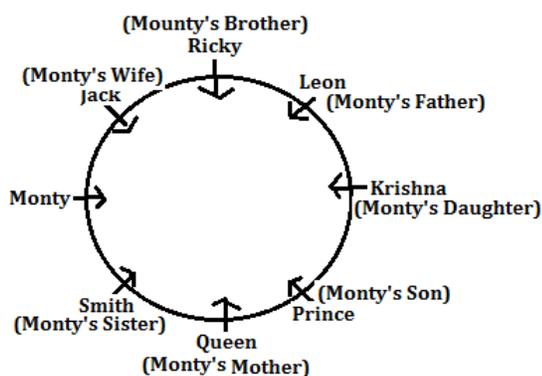
(D) It was found that two of the five fishermen who were sentenced to death penalty were earlier imprisoned for the same reason a few years back.

- (a) Both B and C (b) Both B and D (c) Only D
(d) None of the given statements (e) Only B

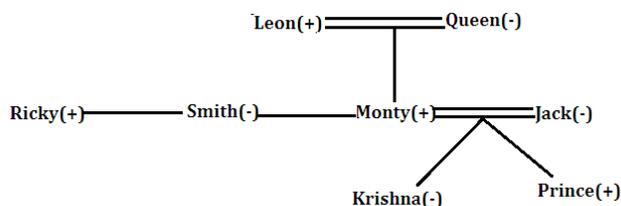
Dilip Sanghvi	Cathay Pacific	Myanmar
Azim Premji	Thai Airways	Durban
Lakshmi Mittal	Fly Emirates	Dubai
Cyrus Mistry	Air Arabia	Paris

6. (d)
7. (a)
8. (d)
9. (a)
10. (d)
11. (d) The competition should be positive. Promoting one sector should not be at the cost of another.
12. (a) There is clear relation between 'relevant opportunities' and 'a wide array of opportunities' and between 'recruiters' and 'headhunters'.
13. (d) Argument I weakens the given information because it tells us that bio-fuels are not as environment-friendly as they appear to be. Argument II strengthens the information because the use of renewable resources does not harm the environment as long as they are adequately substituted.
14. (c) Argument I strengthen the information as prevention of allergy will lead to better health. Argument II weakens the information because such intolerance will make the body susceptible to diseases.
15. (b) Statement A is beside the point while statement C is a sort of assumption. Statement B makes the fishermen culpable. Statement D justifies the degree of punishment.

Directions (1-5):



Family Tree



1. (b)
2. (c)
3. (d)
4. (c)
5. (e)

Directions (6-10):

Name	Airline	Destination
Mukesh Ambani	Lufthansa	Brazil
Anil Ambani	Air India	South Africa
Anand Mahindra	Virgin Airline	Sydney
Sunil Mittal	British Airways	New York
Vijay Mallya	Go Air	Hong Kong
Rahul Bajaj	Qatar Airways	Seoul



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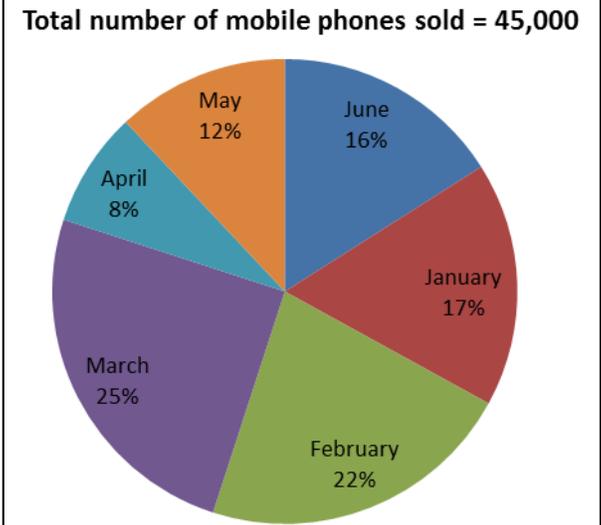
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Twisted Ones Quantitative Aptitude

1. There are five containers. The weight of the first container is 400 kg and the weight of the second container is 20% higher than the weight of the third container, whose weight is 25% higher than the first container's weight. The fourth container at 350 kg is 30% lighter than the fifth one. Find the difference in the average weight of the four heaviest and the four lightest containers.
 (a) 50 kg (b) 62.5 kg (c) 70.75 kg
 (d) 82.5 kg (e) 95.5 kg
 2. A vegetable seller bought 30 kg of onions at Rs. 9 per kg and 20 kg at Rs. 8.00 per kg. If he has to make a 20% profit, at what rate per kg should he sell them (appx. Value) ?
 (a) Rs. 10 (b) Rs. 7 (c) Rs. 12
 (d) Rs. 15 (e) None of these
 3. Hardik is given a quadratic equation $px^2 + qx + r = 0$ and is asked to make another quadratic equation from this with $p = 1$. Also, one root of the second quadratic one is same as one of the roots of the first equation but opposite in sign and the other root of the second equation is two times the second root of the first one. Find the percentage change in the constant term of the second equation as compared to the first equation?
 (a) 300% (b) 200% (c) 400%
 (d) 150% (e) 350%
 4. A van driver makes a profit of 20% on every trip when he carries 3 passengers and the price of diesel is Rs. 30 per litre. Find the percentage profit for the same journey if he goes with 4 passengers per trip and the price of diesel reduces to Rs. 24 per litre? (Consider revenue per passenger same for both the cases.)
 (a) 25% (b) 50% (c) 70%
 (d) 90% (e) None of these
 5. Aasha borrows two equal sums at the same time at 6% and 5% p.a. respectively. She finds that if she pays the former sum with simple interest on a certain date exactly one year before the latter, she will have to pay in each case the same amount i.e., Rs. 3900. Find the sum.
 (a) Rs. 1000 (b) Rs. 1200 (c) Rs. 1800
 (d) Rs. 2400 (e) Rs. 3000
 6. Find the angle made by a sector, the ratio of whose area with the area of the semicircle is equal to 1: 6.
 (a) 50° (b) 30° (c) 40°
 (d) 60° (e) None of these
 7. A weather department studying the weather for x days observed that
 (a) it rained on 7 days, morning or afternoon;
 (b) when it rained in the afternoon, it was clear in the morning;
 (c) there were five clear afternoons;
 (d) there were six clear mornings.
 Then x equals to:-
 (a) 5 (b) 7 (c) 9
 (d) 10 (e) 4
 8. A yacht went down the river for a distance of 20 km. It then turned back and returned to its starting point, having travelled a total of 7 hours. On its return trip, at a distance of 12 km from the starting point, it encountered a wooden broken boat, which had passed the starting point at the moment at which the yacht had started downstream. Find the downstream speed of the yacht.
 (a) 10 km/hr (b) 12 km/hr (c) 18 km/hr
 (d) 24 km/hr (e) None of these
 9. Out of 20 points in a plane, no three are in a straight line except 5 which are collinear. How many straight lines can be formed from given condition?
 (a) ${}^{20}C_2$ (b) ${}^{20}C_2 - {}^5C_2 - 2$ (c) ${}^{20}C_2 - {}^5C_2 - 1$
 (d) ${}^{20}C_2 - {}^5C_2 + 1$ (e) None of these
 10. There is a point inside a circle. What is the probability that this point is closer to the circumference than to the centre?
 (a) $\frac{3}{4}$ (b) $\frac{2}{5}$ (c) $\frac{7}{11}$
 (d) $\frac{2}{7}$ (e) $\frac{1}{2}$
- Directions for questions 11 to 15:** Study the following pie-chart and table carefully and answer the question given below:
- Percentage wise distribution of the number of mobile phones sold by a shopkeeper during six months**
- Total number of mobile phones sold = 45,000**



Month	Percentage
January	17%
February	22%
March	25%
April	8%
May	12%
June	16%

The respective ratio between the numbers of mobile phones sold of company Arobit and company Bizon during six months

Months	Ratio
January	8 : 7
February	4 : 5
March	3 : 2
April	7 : 5
May	7 : 8
June	7 : 9

- What is the respective ratio between the number of mobile phones sold of company Bizon during January and those sold during June of the same company?
 (a) 112 : 141 (b) 112 : 135 (c) 119 : 135
 (d) 119 : 131 (e) None of these
- If 35% of the mobile phones sold by company Arobit during May were sold at a discount, how many mobile phones of company Arobit during that month were sold without a discount?
 (a) 1608 (b) 1620 (c) 1638
 (d) 1668 (e) 1684
- If the shopkeeper earned a profit Rs. 400 on each mobile phone sold of company Bizon during April, what was his total profit earned on the mobile phones of that company during the same month?
 (a) Rs. 6,00,300 (b) Rs. 6,01,500 (c) Rs. 6,20,000
 (d) Rs. 6,00,000 (e) Rs. 6,02,200
- The number of mobile phones sold of company Bizon during January is approximately what percent of the number of mobile phones sold of Arobit during June?
 (a) 110 (b) 130 (c) 90
 (d) 140 (e) 170
- What is the total number of mobile phones sold of company Bizon during February and March together?
 (a) 10,000 (b) 8,000 (c) 7,500
 (d) 5,500 (e) 5,000

Solutions:

- (b). The weight of the containers are:
 $1^{\text{st}} = 400 \text{ kg}$
 $3^{\text{rd}} = 400 + \frac{25}{100} \times 400 = 500 \text{ kg}$
 $2^{\text{nd}} \text{ box} = 500 + \frac{20}{100} \times 500 = 600 \text{ kg}$
 $4^{\text{th}} \text{ box} = 350 \text{ kg}$
 $5^{\text{th}} \text{ box} = 350 \times \frac{100}{70} = 500 \text{ kg}$
 Total weight of the heaviest four = 600 + 500 + 500 + 400 = 2000 kg
 Total weight of the lightest four = 350 + 400 + 500 + 500 = 1750 kg

Hence, the difference between the heavier 4 and the lighter 4 is 250 kg.

Hence, the difference in the averages is 62.5 kg.

- (a). Let the cost price of the mixture be Rs. x per kg. Then,

$$\frac{30}{20} = \frac{x - 8}{9 - x}$$

$$\therefore x = \frac{43}{5} = \text{Rs. } 8.6$$
 Therefore, selling price of mixture per kg at 20% profit

$$= \frac{8.6 \times 120}{100} = \frac{1032}{100} \approx \text{Rs. } 10$$
- (a). Let the two equations satisfying given conditions be $x^2 - 2x + 1 = 0$ and $x^2 - x - 2 = 0$
 Required percentage = $\frac{1 - (-2)}{1} \times 100 = 300\%$
 Hence, there is 300% change in the constant term of the second equation as compared to the first equation.
- (e). The cost of the trip is directly proportional to the price of diesel.
 So, if we assume the cost is Rs. 100 and initially driver's profit is 20%,
 his revenue would be Rs. 120 if he takes 3 passengers.
 Now new cost = Rs. 80.
 When he takes 4 passengers instead of 3, his revenue would increase to Rs. 160
 and his profit would become 100% (where cost Rs. 80 and revenue Rs. 160).
- (e). Since, the total interest given is same, this means the total rate percent is same, i.e.,
 $6 \times t = 5 \times (t + 1) \Rightarrow 6t = 5t + 5 \Rightarrow t = 5$
 Thus, we have: Amount = Rs. 3900, time = 5 years and rate of interest = 6%

$$\therefore P = \frac{100A}{100 + RT} = \frac{3900 \times 100}{100 + 6 \times 5} = \text{Rs. } 3000$$
 Hence, the required sum is Rs. 3000.
- (b). Area of semicircle = $\frac{1}{2} \times \pi r^2$
 Area of sector = $\frac{\theta}{360} \times \pi r^2$

$$\frac{\frac{\theta}{360} \times \pi r^2}{\frac{1}{2} \times \pi r^2} = \frac{1}{6}$$

$$\therefore \theta = \frac{1}{6} \times 180 = 30^\circ$$
- (c). Let a = number of days it rained in the morning and had clear afternoons.
 b = number of days it rained in the afternoon and had clear mornings.
 c = number of days it rained in the morning or afternoon.
 So, according to question,
 $a + b = 7$
 $a + c = 5$
 $b + c = 6$
 Adding all the three equations, we get

$a + b + c = x = 9 \text{ days}$

8. (a). In the time taken by the yacht in traveling $\{d + (d - 12)\}$ km, the broken boat travels 12 km.

Let, 'x' be the speed of the yacht in still water and 'y' be the speed of the stream. Then,

$\frac{12}{y} = \frac{20}{(x+y)} + \frac{8}{(x-y)}$ (i)

It is also known that,

$\frac{20}{(x+y)} + \frac{20}{(x-y)} = 7$ (ii)

Here we must remember that we have to find value of (x+y).

Solving by using given options, we get the result of (x+y) = 10 km/hr.

9. (d). If all 20 points were non-collinear then the answer would have been ${}^{20}C_2$. However, in this case, ${}^{20}C_2$ has double counting since the 5 collinear points are also among the 20 points. These would have been counted as 5C_2 whereas they should have been counted as 1. Thus, to remove the double counting, we need to adjust it by reducing the count by $({}^5C_2 - 1)$.

Hence, the required number of straight lines:

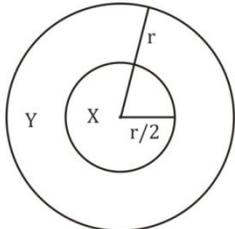
$= {}^{20}C_2 - ({}^5C_2 - 1)$

$= {}^{20}C_2 - {}^5C_2 + 1$

10. (a). Let us assume that the radius of the bigger circle is r, and the radius of the inner circle is r/2.

Point will be closer to the circumference than to the centre if the point is lying in the segment Y.

Area of the segment Y = $\frac{3}{4}\pi r^2$



So, the probability of point being closer to the circumference:

$= \frac{\frac{3}{4}\pi r^2}{\pi r^2} = \frac{3}{4}$

11. (c) Total number of mobiles sold in January $45000 \times 17/100 = 7650$.

Sold mobiles in company Bizon in January

$7650 \times 7/15 = 3570$

Sold mobiles in company Bizon in June

$7200 \times 9/16 = 4050$

Required ratio = $3570/4050 = 119/135$

Hence, option (c) is correct.

12. (c). Required no. of mobile phones without discount

$\frac{450 \times 12 \times 7}{15} \times \frac{65}{100} = 1638$

Hence, option (c) is correct.

13. (d). Total mobile sold in April = $\frac{8}{100} \times 45000 = 3600$

Sold mobile by company Bizon = $\frac{5}{12} \times 3600 = 1500$

Total earned profit = $1500 \times 400 = \text{Rs. } 600000$

Hence, option (d) is correct.

14. (a). Required ratio to calculate:-

$\left(\frac{7650 \times \frac{7}{15}}{7200 \times \frac{7}{16}}\right) \times 100 = 113\% \approx 110\%$

Hence, option (a) is correct.

15. (a). Total mobiles of Bizon sold in February

$\frac{22}{100} \times 45000 \times \frac{5}{9} = 5500$

Total mobiles of Bizon sold in March

$\frac{25}{100} \times 45000 \times \frac{2}{5} = 4500$

Total number of sold mobiles

$= 5500 + 4500 = 10000$

Hence, option (a) is correct.



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Twisted Ones English Language

Directions (1-10): In the following passage, some of the words have been left out. First read the passage over and try to understand what it is about. Then fill in the blanks with the help of the alternatives given.

Tata Consultancy Services, India's largest IT (1) firm, is (2) to report 2.67 per cent quarter-on-quarter (QoQ) rise in (3) profit to Rs 6273.4 crore for the quarter ended March 31, compared to Rs 6,110 crore (4) in the year-ago period. The IT (5) will come out with its March quarter numbers on Monday. According to an average of (6) by analysts polled by ET Now, the country's largest IT company is likely to (7) 3.42 per cent QoQ growth in (8) at Rs 28,301.8 crore and dollar revenues may (9) by 1.54 per cent to \$4,209 million during the quarter under (10).

- | | | |
|----------------------|----------------|-------------|
| 1. A. redistributing | B. expanding | |
| C. deploy | D. outsourcing | E. utilize |
| 2. A. conventional | B. normal | C. expected |
| D. familiar | E. mobile | |
| 3. A. irreducible | B. tarrying | C. clear |
| D. net | E. pure | |
| 4. A. reported | B. expected | C. recited |
| D. rumored | E. secret | |
| 5. A. immense | B. giant | C. whaling |
| D. blimp | E. gross | |
| 6. A. impression | B. rating | C. survey |
| D. guess | E. estimates | |
| 7. A. deliver | B. distribute | C. cart |
| D. move | E. lift | |
| 8. A. money | B. wages | C. revenues |
| D. yield | E. receipt | |
| 9. A. involve | B. improve | C. decrease |
| D. increase | E. stable | |
| 10. A. action | B. opinion | C. stock |
| D. review | E. pile | |

Directions (11-15) : Some of the sentences have errors and some have none. Find out which part of a sentence has error and mark the corresponding to the appropriate letter (A, B, C, D). If there is no error, mark the corresponding to (E) in the answer sheet.

11. Encouraged by the success (A) of 'Mann Ki Baat, the President inaugurate (B) the DRM transmitter (C) in West Bengal on June 28 (D). No error. (E)

12. Guru Somasundaram, the actor you know for cameos in film (A) like Aaranya Kaandam and Jigarthanda, (B) is now playing the main lead in Joker, (C) the second film of Raju Murugan, who previously made Cuckoo (D). No error (E).
13. The J & K High Court on Saturday ordered the police to produce (A) the Handwara girl, at the centre of the unrest in the Valley (B), before the judicial magistrate, (C) questioning the detention of the teenager and relatives (D). No error (E)
14. A forest guest house and a jeep are torched allegedly by Maoists (A) at Tadvai mandal headquarters between Warangal and Eturunagaram (B) on the intervening night (C) of Friday and Saturday (D). No error (E).
15. Nakul Mishra, 28, is learnt to be under medication (A) for depression and has been referred (B) to a medical board at AIIMS (C) to determine his mental fitness (D). No error (E)

Answers:

1. D. Outsourcing
 2. C. Expected
 3. D. Net
 4. A. Reported
 5. B. Giant
 6. E. Estimates
 7. A. Deliver
 8. C. Revenues
 9. D. Increase
 10. D. Review.
 11. B. As statement talk about future so we will use "will" in order to make the statement correct.
 12. A. "Films" will be used in the place of "Film", As statement talk about more then one film.
 13. D. "her" will be used before relatives, According the statement detention was made of relatives and only relatives in the sentence does not specify whose relatives so her will make the sentence correct as use of her make sentence meaningful.
 14. A. "were" replace "are". Action has been taken in the past so we use were in the place of are.
 15. E. No error.

Current Affairs Practice Set

1. The Pandit Dinanath Mangeshkar award 2016 will be given to
 (a) Ranveer Singh (b) Sanjay Leela Bhansali
 (c) Ranbir Kapoor (d) Aamir Khan
 (e) Both 1) and 2)
2. Mashrafe Bin Mortaza, who has been "named national goodwill ambassador for youth" by the UNDP, is the limited-overs captain of the cricket team of?
 (a) Pakistan (b) Bangladesh (c) Sri Lanka
 (d) Zimbabwe (e) Afghanistan
3. The prestigious Astronautical Society of India's Aryabhata Award 2016 has been given to
 (a) BHVS Narayana Murthy (b) AS Kiran Kumar
 (c) R.Chidambaran (d) Avinash Chandar
 (e) V.k Saraswat
4. The 13th World Spice Congress was held recently in
 (a) Chennai (b) Bengaluru (c) Ahmedabad
 (d) Hyderabad (e) Thiruvananthapuram
5. Which states government has launched the A P J Abdul Kalam Amrut Yojana?
 (a) Tamil Nadu (b) Maharastra (c) New Delhi
 (d) Andhra Pradesh (e) None of the above
6. Who has won the ATP Argentina Open 2016?
 (a) Nina Simone (b) Rafael Nadal
 (c) Dominic Thiem (d) Andy Murray
 (e) None of the above
7. India gifted four Mi 25 attack helicopters to which of the following countries recently?
 (a) Maldives (b) Nepal (c) Sri Lanka
 (d) Afghanistan (e) Mauritius
8. 10 The birthday of former PM Atal Bihari Vajpayee is celebrated as Good Governance Day which falls on
 (a) 21 Dec (b) 22 Dec (c) 23 Dec
 (d) 25 Dec (e) 26 Dec
9. 109. Who has won the Grammy award in the Best Music Film section?
 (a) Foo Gibhters (b) Asif kapadia
 (c) Nina Simone (d) James Brown
 (e) None of the above
10. The 2016 Outreach International Radio Fair has been held in which city of India?
 (a) Mumbai (b) Chennai
 (c) Bhubaneshwar (d) Bangalore (e) Delhi
11. What is the currency of Peru?
 (a) Forint (b) Nueva Sol (c) Kuna
 (d) Lev (e) Real
12. The Mahamagam festival is celebrated in which state of India?
 (a) Odisha (b) Tripura (c) Tamil Nadu
 (d) Nagaland (e) Manipur
13. The Finance Ministry has allowed 41 more housing finance companies (HFCs) to use the SARFAESI law. The law helps firms in
 (a) Maximizing Profit (b) Managing Workforce
 (c) Recovery of Dues (d) New Product Launch
 (e) Receiving Of Foreign Investment
14. India's largest coal washery will be set up in which state?
 (a) Maharastra (b) Jharkhand
 (c) Uttar Pradesh (d) Chattisgarh (e) Delhi
15. According to a finance ministry circular, users of mobile wallets would need to give their permanent account number (PAN) if annual transaction exceeds
 (a) Rs. 20,000 (b) Rs.25,000 (c) Rs.10,000
 (d) Rs.50,000 (e) Rs.1 LAKH
16. In Which Junction has Indian Railways introduce first ultra modern computer based signalling system?
 (a) Jhansi (b) Agra (c) Allahabad
 (d) Aligarh (e) Lucknow
17. In Which State Introduce Free Bus Pass Scheme?
 (a) Kerala (b) Tamilnadu (c) Bihar
 (d) Uttar Pradesh (e) West Bengal
18. Ustad Abdul Rashid Rhan is Related to the Following Field?
 (a) Music Director (b) Singer
 (c) Western Singer (d) Classical Singer (e) Dancer
19. Name of the Satellite launched by Japan?
 (a) Astro-H (b) H-IIA (c) ASTRO-B
 (d) JAXA (e) None of the above
20. In Which Countries the World Bank pledges to give \$150 Million to fight Zika Virus?
 (a) American and Carribbean (b) Australia
 (c) South Africa (d) India (e) England

Answers:

Q.	Ans.	Q.	Ans.
1.	e	11.	b
2.	b	12.	c
3.	d	13.	c
4.	c	14.	d
5.	b	15.	d
6.	c	16.	c
7.	d	17.	b
8.	d	18.	d
9.	b	19.	c
10.	c	20.	b

SSC-CGL (TIER-I) 2016 PRACTICE SET

GENERAL INTELLIGENCE & REASONING

- Find the odd one out.
(1) January, May (2) April, June
(3) July, August (4) January, December
 - Which one of the given responses would be a meaningful order of the following?
1. Earth 2. Jupiter 3. Venus
4. Mars 5. Mercury
(1) 5, 3, 1, 2, 4 (2) 5, 3, 4, 1, 2
(3) 5, 3, 1, 4, 2 (4) 5, 3, 2, 4, 1
- Directions (3-9):** In each of the following questions, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.
- AD, EI, JN, PS, ?
(1) WY (2) XX
(3) WX (4) WW
 - PON, RQP, TSR, VUT, ?
(1) WUY (2) YXZ
(3) XWV (4) UVW
 - ar, cs, et, ?
(1) wy (2) gv
(3) vb (4) gu
 - 9, 15, 23, 33, ?
(1) 44 (2) 36
(3) 38 (4) 45
 - 4, 7, 14, 24, 41, ?
(1) 71 (2) 68
(3) 72 (4) 51
 - 5, 16, 51, 158, ?
(1) 481 (2) 465
(3) 441 (4) 478
 - CBA, ABC, ABCD, DCBA, ABCDE, ?
(1) EDCBA (2) DBAC
(3) CABD (4) BACD
 - Present ages of father and son are in the ratio of 5 : 1 respectively. Seven years later this ratio becomes 3 : 1. What is the son's present age in years?
(1) 8 (2) 7
(3) 6 (4) 5
 - From the given alternative words, select the word which can be formed using the letters of the given word: TRADITIONAL
(1) NATION (2) RADIO
(3) ANIMAL (4) DIRTY
 - If 'NEWS' is written as 'WENS' then how 'MATE' will be written in this code?
(1) TAME (2) META
(3) EATM (4) AMET
 - If REASON is coded as 5 and BELIEVED as 7, what is the code number for GOVERNMENT?
(1) 6 (2) 8
(3) 9 (4) 10
 - A shepherd had 17 sheep. All but nine died. How many sheep are left?
(1) 9 (2) 8
(3) 7 (4) 10
 - Which of the following interchange of signs would make the given equation correct?
 $(6+3)+(4\times 7) = 198$
(1) + and - (2) ÷ and +
(3) × and + (4) ÷ and ×
 - Change the sign to find the equation $28-7+2\times 2=0$
(1) Change + into × (2) Change × into +
(3) Change - into + (4) Change + into -
 - The price of onions is shown below for every fortnight. Find the price in Feb. 3rd week.
- | Period | Dec. 1st | Dec. 3rd | Jan. 1st | Jan. 3rd | Feb. 1st | Feb. 3rd |
|--------|----------|----------|----------|----------|----------|----------|
| Price | Week 20 | Week 60 | Week 40 | Week 120 | Week 100 | Week ? |
- (1) 140 (2) 300
(3) 180 (4) 320
 - The population of a village in Madurai is increasing year after year. Find out the population (in lakhs) in 2013 from the following information:
- | Year | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------|------|------|------|------|------|------|
| Population | 4 | 7 | 13 | 22 | 34 | ? |
- (1) 49 (2) 46
(3) 45 (4) 43
 - Ram walks 12 kms to the North, then 10 kms to West, 12 kms to South. How far is Ram from the starting points?
(1) 9 kms (2) 13 kms
(3) 8 kms (4) 10 kms
 - Select the missing number from the given responses.
1 3 7 15 ?
(1) 31 (2) 32
(3) 33 (4) 30
 - There are two statements labeled as Assertion (A) and Reason (R).
Assertion (A): Dyslexia is a psychological disorder.
Reason (R): Vitamin deficiency causes the disease.

Choose the correct option.

Codes:

- (1) If both (A) and (R) are true.
- (2) If both (A) and (R) are false.
- (3) If (A) is false, but (R) is true.
- (4) If (A) is true, but (R) is false.

22. Two statements are given followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You are to decide which of the given conclusions, if any, follow from the given statements. Indicate your answer.

Statements: All Americans are English-speaking.

No Eskimos are English-speaking

Conclusions:

- I. No Eskimos are Americans
- II. No English – speakers are Eskimos.
- (1) Only I follows.
- (2) Neither I nor II follows.
- (3) Only II follows.
- (4) Both I and II follow.

23. Town A and Town B were 600 km apart. Joshua left town A for town B and travelled at an average speed of 65 km/h. At the same time, Menon left town B for town A. The two of them met 5 hours later. Find Menon's average speed.

- (1) 55 km/h
- (2) 60 km/h
- (3) 65 km/h
- (4) 120 km/h

Directions (24-32): In each of the following questions, select the related letter/word/ number from the given alternatives.

24. Lion : Forest : : Fish : ?

- (1) Cage
- (2) Nest
- (3) Sky
- (4) Water

25. Polio : Virus : : Anthrax ?

- (1) Fungus
- (2) Bacteria
- (3) Virus
- (4) Insect

26. MONEY : YENOM : : RIGHT : ?

- (1) HTIRG
- (2) THGIR
- (3) GIRHT
- (4) IRGHT

27. NIILUSL : ILLUSION : : TBERVARE : ?

- (1) STRANGE
- (2) VERTEBRA
- (3) VABTERE
- (4) ERAVEBT

28. RUST : 9687 : : TSUR : ?

- (1) 7896
- (2) 7869
- (3) 7689
- (4) 6789

29. 13 : 169 : : ?

- (1) 12 : 140
- (2) 3 : 6
- (3) 11 : 111
- (4) 9 : 81

30. 23 : 29 : : 41 : ?

- (1) 43
- (2) 45
- (3) 47
- (4) 49

31. 6 : 10 : : 9 : ?

- (1) 10
- (2) 12
- (3) 15
- (4) 18

32. River : Tributary : : Tree : ?

- (1) Stem
- (2) Root
- (3) Branch
- (4) Flower

Directions (33-41): In each of the following questions, select the one which is different from the other three responses.

33. (1) Aptitude

(2) Altitude

(3) Attitude

(4) Behaviour

34. (1) SSA

(2) RMSA

(3) RUSA

(4) NASA

35. (1) 63

(2) 69

(3) 65

(4) 66

36. (1) 108

(2) 91

(3) 144

(4) 225

37. (1) 187 : 11

(2) 194 : 12

(3) 195 : 13

(4) 224 : 14

38. (1) D

(2) G

(3) H

(4) J

39. (1) SRT

(2) PON

(3) KJL

(4) VUW

40. (1) EVFU

(2) CXDW

(3) AZBX

(4) GTHS

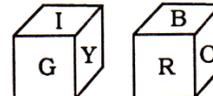
41. (1) Square

(2) Equilateral Triangle

(3) Rhombus

(4) Right Angle Triangle

42. The sides of a cube show the colours of rainbow. Two positions of the cube are shown below. Which of the colours of rainbow is left out?



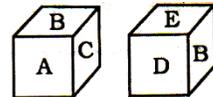
(1) Yellow

(2) Green

(3) Violet

(4) Indigo

43. Based on the diagrams which letter is opposite to A?



(1) B

(2) C

(3) D

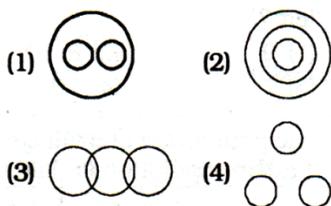
(4) E

Directions (44-45): In each of the following questions, identify the diagram that best represents the relationship among classes given below:

44. Singers, Boys, Dancers.

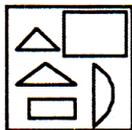


45. Ornaments, Gold, Silver.

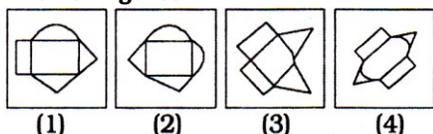


46. Identify the answer figure from which the pieces given in question figure has been cut.

Question Figure:

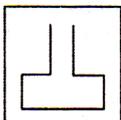


Answer Figures:

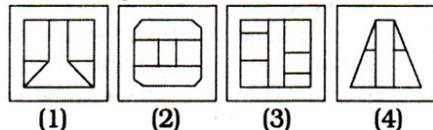


47. From the given answer figures, select the one in which the question figure is hidden/embedded.

Question Figure:



Answer Figures:

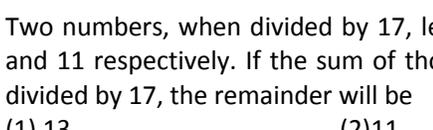


48. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

Question Figure:



Answer Figures:



51. Two numbers, when divided by 17, leave remainders 13 and 11 respectively. If the sum of those two numbers is divided by 17, the remainder will be

- (1) 13 (2) 11
(3) 7 (4) 4

52. $\frac{\tan 187^\circ + \cot 263^\circ}{\tan 135^\circ \cot 315^\circ + \tan 173^\circ \cot 83^\circ}$

- (1) $\cot 57^\circ$ (2) $\tan 57^\circ$
(3) $\tan 76^\circ$ (4) $\cot 76^\circ$

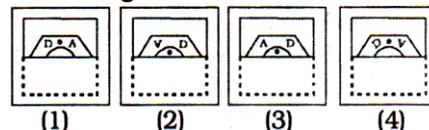
53. $\sqrt[3]{\sqrt{0.000064}}$ is equal to

- (1) 0.0002 (2) 0.002
(3) 0.02 (4) 0.2

54. $\frac{3\sqrt{2}+2\sqrt{3}}{3\sqrt{2}-2\sqrt{3}}$ is equal to



Answer Figure:



49. Choose the alternative which most closely resembles the mirror-image of the given combination.

DANIEL

- (1) DANIEL (2) DANIEL
(3) DANIEL (4) DANIEL

50. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and row of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'I' can be represented by 13, 21, etc. and 'B' can be represented by 57, 65, etc. Similarly, you have to identify the set for the word given in question.

'FADE'

Matrix - I

	0	1	2	3	4
0	I	E	A	O	U
1	A	O	U	I	E
2	E	I	O	U	A
3	O	U	E	A	I
4	U	A	I	E	O

Matrix - II

	5	6	7	8	9
5	F	D	B	G	H
6	B	G	H	F	D
7	D	F	G	H	B
8	G	H	D	B	F
9	H	B	F	G	D

(1) 76, 02, 75, 32

(2) 68, 20, 57, 14

(3) 55, 33, 65, 23

(4) 80, 10, 96, 41

QUANTITATIVE APTITUDE

(1) $5 + 2\sqrt{6}$

(2) $\frac{3+2\sqrt{6}}{2}$

(3) $5 - 2\sqrt{3}$

(4) $5 + 2\sqrt{3}$

55. If $x = 19$ and $y = 18$, then the value of $\frac{x^2+y^2+xy}{x^3-y^3}$ is

(1) 1 (2) 37

(3) 324 (4) 361

56. Which one of the following is a factor of the sum of first twenty-five natural numbers?

(1) 26 (2) 24

(3) 13 (4) 12

57. $(\sqrt{2} + \frac{1}{\sqrt{2}})^2$ simplifies to

- (1) $2\frac{1}{2}$ (2) $3\frac{1}{2}$
 (3) $4\frac{1}{2}$ (4) $5\frac{1}{2}$
58. The sum of all even numbers between 21 and 51 is
 (1) 518 (2) 540
 (3) 560 (4) 596
59. The difference of $5.\overline{76}$ and $2.\overline{3}$ is
 (1) $2.\overline{54}$ (2) $3.\overline{73}$
 (3) $3.\overline{46}$ (4) $3.\overline{43}$
60. In ΔABC , $\angle B = 35^\circ$, $\angle C = 65^\circ$ and bisector of $\angle BAC$ meet BC at P, then which of the following will be true?
 (1) $AP > CP > BP$ (2) $CP > AP > BP$
 (3) $CP > BP > AP$ (4) $BP > AP > CP$
61. If $4^{4x+1} = \frac{1}{64}$, then the value of x is
 (1) $\frac{1}{2}$ (2) -1
 (3) $-\frac{1}{2}$ (4) $-\frac{1}{6}$
62. The product of two numbers is 216. If the HCF is 6, then their LCM is
 (1) 72 (2) 60
 (3) 48 (4) 36
63. If $\left|\frac{2}{x-4}\right| > 1$ and $x \neq 4$, then which of the following will not be a possible value of x?
 (1) 1.5 (2) 3.5
 (3) 2.5 (4) 3
64. If $\sin^2 \theta + \sin \theta = 1$, then value of $\cos^4 \theta + \cos^2 \theta$ will be
 (1) 0 (2) 1
 (3) 2 (4) -2
65. If ABCD is a parallelogram in which $\angle A = 60^\circ$, $AB=5$ cm, $BC=4$ cm and the bisectors of $\angle A$ and $\angle B$ meet at point P lying on side CD, then what will be the value of PD?
 (1) 4 cm (2) 5 cm
 (3) 3 cm (4) 6 cm
66. $\left[2\sqrt{54} - 6\sqrt{\frac{2}{3}} - \sqrt{96}\right]$ is equal to
 (1) 0 (2) 1
 (3) 2 (4) $\sqrt{6}$
67. If $\frac{x^2-x+1}{x^2+x+1} = \frac{2}{3}$, then the value of $\left(x + \frac{1}{x}\right)$ is
 (1) 4 (2) 5
 (3) 6 (4) 8
68. $(5^2 + 6^2 + 7^2 + \dots + 10^2)$ is equal to
 (1) 330 (2) 345
 (3) 355 (4) 360
69. The next term of the sequence 1, 9, 28, 65, 126, is
 (1) 199 (2) 205
 (3) 216 (4) 217
70. If $(x+1)(x+2) + \frac{1}{x(x-1)} = 0$, then $x^2 + x$ will be equal to
- (1) 9 (2) 4
 (3) 1 (4) 0
71. If $(A+B+C)=25$ then $\sin(S-A) + \sin(S-B) + \sin(S-C) - \sin S$ will be equal to
 (1) $4 \sin \frac{A}{2} \sin \frac{B}{2} \sin \frac{C}{2}$ (2) $2 \sin A \sin B \sin C$
 (3) $4 \cos \frac{A}{2} \cos \frac{B}{2} \cos \frac{C}{2}$ (4) $2 \cos A \cos B \cos C$
72. In ΔPQR , PS is bisector of $\angle QPR$ and $PT \perp QR$, then find $\angle TPS$ if $\angle PQR=75^\circ$ and $\angle QPR = 70^\circ$
 (1) 35° (2) 20° (3) 25° (4) 50°
73. The difference between the selling prices of an article at a profit of 15% and at a profit of 10% is Rs. 10. The cost price of the article is
 (1) Rs. 100 (2) Rs. 120
 (3) Rs.150 (4) Rs. 200
74. A man bought 20 dozen eggs for Rs. 720. What should be the selling price of each egg if he wants to make a profit of 20%?
 (1) Rs.3.25 (2) Rs.3.30
 (3) Rs.3.50 (4) Rs.3.60
75. If $\left(x^2 + \frac{1}{x^2}\right) + \left(x + \frac{1}{x}\right) - 4 = 0$, then possible of x will be ($x \neq 0, x \neq 1$)
 (1) $\frac{-5 \pm \sqrt{3}}{2}$ (2) $\frac{5 \pm \sqrt{3}}{2}$
 (3) $\frac{3 \pm \sqrt{5}}{2}$ (4) $\frac{-3 \pm \sqrt{5}}{2}$
76. The single discount, which is equivalent to three successive discounts of 25%, 20% and 10% is
 (1) 55% (2) 54%
 (3) 46% (4) 45%
77. The value of an equipment depreciates by 20% each year. How much less the value of the equipment be after 3 years?
 (1) 48.8 % (2) 51.2%
 (3) 54% (4) 60%
78. What will be the value of $\frac{\sec^4(x+y) - \sec^2(x+y)}{\tan^4 z + \tan^2 z}$ if x, y and z are the angles of an isosceles triangle?
 (1) $\sec(x+y) \tan z$ (2) $\sec z \tan(x+y)$
 (3) 0 (4) 1
79. ΔABC is an isosceles triangle with $AB=AC$ and $\angle A = x$, if side BA is produced such that $AB=AD$ then what will be the value of $\angle BCD$?
 (1) $90^\circ - x$ (2) $90^\circ + x$
 (3) 90° (4) $2x$
80. If $x - 3 = x^{-1} + 2\sqrt{2}$, then the value of $x^3 - \frac{1}{x^3}$ will be
 (1) $108 + 76\sqrt{2}$ (2) $76 + 108\sqrt{2}$
 (3) $106 + 78\sqrt{2}$ (4) $78 + 106\sqrt{2}$
81. If $A : B = 3 : 4$ and $B : C = 6 : 5$, then $A : (A+C)$ is equal to
 (1) 9 : 10 (2) 10 : 9
 (3) 9 : 19 (4) 19 : 9

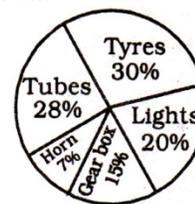
82. If $\frac{2}{3}$ of A=75% of B=0.6 of C, then A : B : C is equal to
 (1) 9 : 8 : 10 (2) 8 : 9 : 10
 (3) 3 : 4 : 5 (4) 4 : 3 : 5
83. If the sum of two quantities is equal to three times their difference, then the ratio of the two quantities is
 (1) 1 : 3 (2) 3 : 1
 (3) 2 : 1 (4) 2 : 3
84. The angle of elevation of a cloud from a point 60 m. above a lake is 30° and the angle of depression of the reflection of cloud in the lake is 60° . What will be the height of cloud from lake?
 (1) 80 m. (2) 60 m.
 (3) 120 m. (4) 100 m.
85. A sum of money amounts to Rs. 1, 352 in 2 years at 4% per annum of compound interest. The sum is
 (1) Rs.1,200 (2) Rs.1,250
 (3) Rs.1,280 (4) Rs.1,296
86. In a quadrilateral ABCD, AO and BO are bisectors of $\angle A$ and $\angle B$ and $\angle C = 70^\circ$, and $\angle D = 90^\circ$ then $\angle AOB$ will be equal to
 (1) 80° (2) 110°
 (3) 90° (4) 100°
87. At a certain rate of simple interest, a certain sum of money becomes double of itself in 10 years. It will become treble of itself in
 (1) 15 years (2) 18 years
 (3) 20 years (4) 30 years
88. A and B together can complete a piece of work in 18 days, B and C in 24 days and A and C in 36 days. In how many days, will all of them together complete the work?
 (1) 16 (2) 15 (3) 12 (4) 10
89. Find the area of a triangular piece of land whose sides are 72 m, 30 m and 78 m respectively.
 (1) 1080 sq. m. (2) 1050 sq. m.
 (3) 1000 sq. m. (4) 1100 sq. m.
90. A can complete $\frac{2}{3}$ of a work in 4 days and B can complete $\frac{3}{5}$ of the work in 6 days. In how many days can both A and B together complete the work?
 (1) 3 (2) 2
 (3) $3\frac{3}{4}$ (4) $2\frac{7}{8}$
91. There is a square field whose side is 44 m. A square flowerbed is prepared in its centre, leaving a gravel path of uniform width all around the flowerbed. The total cost of laying the flowerbed and gravelling the path at Rs. 2 and Re. 1 per square metre respectively is Rs. 3536. Find the width of the graveled path.
 (1) 1 metre (2) 1.5 metre
 (3) 2 metre (4) 2.5 metre

92. A man goes from Mysore to Bangalore at a uniform speed of 40 km/hr and comes back to Mysore at a uniform speed of 60 km/hr. His average speed for the whole journey is
 (1) 48 km/hr (2) 50 km/hr
 (3) 54 km/hr (4) 55 km/hr
93. A boat goes 12 km downstream and comes back to the starting point in 3 hours. If the speed of the current is 3 km/hr, then the speed (in km/hr) of the boat in still water is
 (1) 12 (2) 9
 (3) 8 (4) 6
94. Two trains of lengths 70 m and 80 m are running at speed of 68 km/hr and 40 km/hr respectively on parallel tracks in opposite directions. In how many seconds will they pass each other?
 (1) 10 (2) 8
 (3) 5 (4) 3
95. A man invests half his capital at the rate of 10% per annum, one-third at 9% and the rest at 12% per annum. The average rate of interest per annum, which he gets, is
 (1) 9% (2) 10%
 (3) 10.5% (4) 12%
96. OABC is a rhombus whose three vertices A, B and C lie on a circle with centre O. If the radius of the circle is 10 cm find the area of the rhombus.
 (1) 50 sq. m. (2) $50\sqrt{3}$ sq. m.
 (3) $50\sqrt{2}$ sq. m. (4) $60\sqrt{3}$ sq. m.
97. If $x + y + z = 1$, $\frac{1}{x} + \frac{1}{y} + \frac{1}{z} = 1$ and $xyz = -1$, then $x^3 + y^3 + z^3$ will be equal to
 (1) -1 (2) +1
 (3) -2 (4) +2

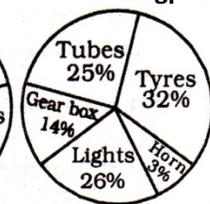
Directions (98-100): The pie charts, given here show some automobile parts manufactured by an automobile company at its Pune and Nagpur plants in the year 2009.

Study the pie charts and answer to following question.

Pune Plant



Nagpur Plant



98. If the Nagpur plant produced 8,00,000 tyres, then the number of horns produced by it was
 (1) 12,000 (2) 18,500
 (3) 75,000 (4) 60,000
99. How many percent more tubes were produced at the Pune plant than those produced at the Nagpur plant?
 (1) 14 (2) 12

- (3) 8 (4) 13 (1) 3 : 7 (2) 10 : 3
 100. The ratio of number of horns produced at Nagpur plant to that produced at Pune plant is (3) 7 : 3 (4) 7 : 10

GENERAL AWARENESS

101. Materials for rain proof coats and tents owe their water proof properties to
 (1) Surface tension (2) viscosity
 (3) Specific gravity (4) Elasticity
102. Icons are commands.
 (1) typed (2) verbal
 (4) picture (4) imaginary
103. Which one of the following is an MS-DOS external command?
 (1) DIR (2) COPY
 (3) FORMAT (4) PROMPT
104. The most abundant enzyme in the living world is
 (1) Rubisco (2) Invertase
 (3) DNase (4) Zymase
105. X-rays region lies between
 (1) Ultraviolet and visible region
 (2) Visible and infra-red region
 (3) Gamma-rays and ultraviolet region
 (4) Short radio waves and long radio waves
106. A star appears twinkling in the sky because of
 (1) Scattering of light by atmosphere
 (2) Reflection of light by atmosphere
 (3) Refraction of light by atmosphere
 (4) Diffraction of light by atmosphere
107. In its reaction with silver nitrate, C_2H_2 shows
 (1) Oxidising property (2) Reducing property
 (3) Basic property (4) Acidic property
108. The main source of carbon monoxide is
 (1) Industrial process (2) Fuel combustion
 (3) Transpiration (4) Solid waste disposal
109. 'Aerosol' is
 (1) Suspended solid particles in air
 (2) Pollutant gas, present in air
 (3) Microbes, present in air
 (4) Green house gas present in air
110. An address consists of _____.
 (1) an offset (2) a base register
 (3) an index register (4) All of the above
111. Philosopher's Wool is
 (1) Zinc carbonate (2) Zinc sulphate
 (3) Zinc oxide (4) Zinc blende
112. Synthetic detergents are made from
 (1) Sodium stearate
 (2) Sodium salt of benzene sulphonic acid
 (3) sodium salt of benzene carboxylic acid
 (4) Sodium palmitate
113. Angora wool is extracted from which animal?
 (1) Rabbit (2) Fox
 (3) Sheep (4) Goat
114. Which among the following is a rich source of Vitamin A?
 (1) Carrot (2) Brijal
 (4) Lemon (4) Rice
115. Indian Wild Ass (Ghor-Khur) are found in
 (1) Sunderban (2) Rann of Kutchh
 (3) Thar Desert (4) Assam Forests
116. Where is the headquarters of INTERPOL?
 (1) Paris (2) London
 (3) Lyons (4) Geneva
117. The sewage obtained from water closets and urinals is known as
 (1) Sanitary waste (2) Industrial waste
 (3) Garbage (4) Sullage
118. Maximum permissible concentration of total hardness in drinking water is
 (1) 50 (2) 100
 (3) 200 (4) 500
119. Mycobacterium leprae is
 (1) Coccus (2) Vibrio
 (3) Spiral (4) Spore
120. Which is the largest State (areawise) in India?
 (1) Madhya Pradesh (2) Rajasthan
 (3) UP (4) Andhra Pradesh
121. Who among the following is the author of the book titled 'Arctic Summer'?
 (1) Maeve Binchy (2) Pamela Hicks
 (3) Damon Galgut (4) Louis Banner
122. Which was the latest country to be admitted as a new member State of U.N?
 (1) Switzerland (2) East Timor
 (3) South Sudan (4) Montenegro
123. How many outstanding cricketers have been awarded the Rajiv Gandhi Khel Ratna Award so far?
 (1) Nil (2) One only
 (3) Two (2) (4) Five (5)
124. Which one of the following depicts the correct chronological order in which the four major Lawn Tennis Tournaments are conducted annually?
 (1) Australian Open-French Open-U.S. Open - Wimbledon

- (2) French Open–Australian Open–Wimbledon–U.S. Open
 (3) Australian Open – French Open – Wimbledon – U.S. Open
 (4) Wimbledon–Australian Open–French Open–U.S. Open
- 125.** Which one of the following monuments in Delhi is not included as a World Heritage Site?
 (1) Red Fort (2) Humayun's Tomb
 (3) Qutab Minar (4) Jantar Mantar
- 126.** Demand for complementary goods is known as
 (1) Joint Demand (2) Derived demand
 (3) Direct demand (4) Cross demand
- 127.** Who has given a call 'Go back to nature'?'
 (1) Plato (2) Aristotle
 (3) Rousseau (4) Hobbes
- 128.** Which of the following is not a feature of Indian Constitution?
 (1) Parliamentary form of Government
 (2) Independence of Judiciary
 (3) Presidential form of Government
 (4) Federal Government
- 129.** Plant and machinery are
 (1) Producers goods (2) Consumers' goods
 (3) Distributors's goods (4) Free goods
- 130.** Which one of the following is not a dimension of human development index?
 (1) Life expectancy (2) Knowledge
 (3) Social status (4) Standard of living
- 131.** Who among the following won the men's 10-metre air pistol gold in the shooting World Cup in Beijing on July 4, 2014?
 (1) Yusuf Dilkec, Turkey (2) Pu Qufeng, china
 (3) Jin Jingoh, Korea
 (4) Zoravar Singh Sandhu, India
- 132.** Writs are issued by
 (1) Supreme court (2) High Courts
 (3) the President
 (4) Supreme Court and High courts
- 133.** Which one of the following Vedas contains sacrificial formulae?
 (1) Sama Veda (2) Rig Veda
 (3) YajurVeda (4) Atharva Veda
- 134.** When did the best productions of Gandharva sculpture appear?
 (1) Mauryan period (2) Kushan period
 (3) Gupta period (4) Harsh perod
- 135.** Panchayati Raj system is based on the principle of
 (1) Centralisation (2) Decentralisation
 (3) both of these (4) None of these
- 136.** Who chairs the Joint Session of the two Houses of Parliament?
 (1) President (2) vice- President
 (3) Speaker of Lok Sabha (4) Prime Minister
- 137.** A bill is a 'Money Bill' or not will be decided by
 (1) Finance Minister (2) President
 (3) Chairman of Rajya Sabha
 (4) Speaker of Lok Sabha
- 138.** The southernmost point of India is
 (1) Kanyakumari (2) Rameshwaram
 (3) Dhanushkodi (4) Indira Point
- 139.** The Strait that connects Red Sea and Mediterranean Sea is
 (1) Panama Strait (2) Suez Strait
 (3) Palk Strait (4) Bering Strait
- 140.** The northern part of the west coast is known as
 (1) Coromandal coast (2) Malabar coast
 (3) Konkan coast (4) Northern circars
- 141.** Which one of the following is known as the 'Laughing Jack' of Australia?
 (1) Platypus (2) Kookabara
 (3) Koala (4) Lyrebird
- 142.** The seashore temple at Mahabalipuram was built by
 (1) Mahendra Varman I (2) Narashimha Varman I
 (3) Nandi Varman II (4) Dandi Varman
- 143.** Who got the Gita translated into Persian?
 (1) Shah Jahan (2) Akbar
 (3) Murad (4) Dara Shikoh
- 144.** The Portuguese Governor who abolished Sati in Goa was
 (1) Albuquerque (2) Cabral
 (3) Almeida (4) De Braganza
- 145.** RBC's do not perform aerobic respiration because these do not contain
 (1) Mitochondria (2) Nucleus
 (3) Endoplasmic Reticulum (4) Lysosomes
- 146.** A cross between homozygous recessive and heterozygous plant is
 (1) Back cross (2) Test Cross
 (3) Monohybrid cross (4) Dihybrid cross
- 147.** DNA contains
 (1) Pentose sugar (2) hexose sugar
 (3) Erythrose sugar (4) Sedoheptulose sugar
- 148.** The significant quantity of upper soil is formed by
 (1) Igneous rock (2) Sedimentary rock
 (3) Metamorphic rock (4) Biological degradation
- 149.** Who coined the term 'gen'?'
 (1) Medel (2) Johannsen
 (3) Watson (4) Beadle
- 150.** Saprophytes are the organisms which depend for food on
 (1) Living plants (2) living animals
 (3) Polio Virus (4) Dead Organic Matter

ENGLISH LANGUAGE

Directions (151-155): In the following questions, some of the sentences have errors and some are correct. Find out which part of a sentence has an error. The number of that part is your answer. If a sentence is free from errors, then your answer is (4) i.e., No error.

151. The Prime Minister was asked (1)/ to write a forward (2)/ to the book. (3)/ No error. (4)
152. I must complement you (1)/ on your good manners (2)/ and you impeccable behavior.(3)/ No error. (4)
153. The sweets (1)/ were shared (2)/ between the four girls.(3)/ No error. (4)
154. The long distance train (1)/ which met with an accident (2)/ was carrying some army personal. (3)/ No error. (4)
155. The young men from Japan (1)/ found the ascent of the mountain (2)/ hard going. / (3)/ No error. (4)

Directions (156-158): In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.

156. OSTENTATION

- (1) pomp (2) pretence
(3) abundance (4) plenty

157. ITINERANT

- (1) frequent use of the word 'it'
(2) anything involving repetition
(3) plan for a proposed journey
(4) travelling from place to place

158. TRANSPARENT

- (1) verbose (2) involved
(3) witty (4) lucid

Directions (159-161): In the following questions, choose the word opposite in meaning to the given word.

159. AGONY

- (1) pleasure (2) laughter
(3) pain (4) ecstasy

160. RETICENT

- (1) forward (2) developed
(3) sophisticated (4) communicative

161. PRECISE

- (1) indecent (2) vague
(3) incorrect (4) indistinct

Directions (162-163): In the following questions, four words are given in each question, out of which only one word is correctly spelt. Find the correctly spelt word.

162. (1) magnificent (2) magnificant
(3) magnificient (4) magneficent
163. (1) rennassance (2) renaissance
(3) renaissance (4) renaissance

Directions (164-170): In the following questions, out of the four alternatives, choose the one which can be substituted for the given word/sentence.

164. One who compiles dictionary

- (1) Calligrapher (2) Editor
(3) Lexicographer (4) Compiler

165. Which can be easily believed

- (1) Credulous (2) Creditable
(3) Trustworthy (4) Credible

166. Woman trained to help other women in child birth

- (1) Virgin (2) Matron
(3) Midwife (4) Nurse

167. A person with full discretionary powers to act on behalf of a country.

- (1) Ambassador (2) Emissary
(3) Plenipotentiary (4) Envoy

168. The science of judging a person's character, capabilities, etc. from an examination of the shape of his skull

- (1) Physiology (2) Anthropology
(3) Phrenology (4) Morphology

169. Belonging to class between the gentry and laborious

- (1) Blue blood (2) eugenics
(3) bourgeois (4) elite

170. A state of mental weariness from occupation

- (1) banshee (2) at sea
(3) ennui (4) doldrums

Directions (171-180): In the following questions, a part of the sentence is in bold. Below are given alternatives to the bold part at (1), (2) and (3) which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (4).

171. The traveller **commanded of the peasant he would** tell him the way to the nearest village.

- (1) exclaimed of the peasant if he would
(2) enquired of the peasant if he could
(3) replied of the peasant whether he will
(4) No improvement

172. As I am new to the place I **felt like a fish in water.**

- (1) felt like a fish in the water
(2) felt like a fish with water
(3) felt like a fish out of water
(4) No improvement

173. he flood affected people are **looking forward with** the visit of the Governor.

- (1) looking forward to (2) looking forward on
(3) looking forward for (4) No improvement

174. He is fond of **saving** money.

- (1) hoarding (2) not spending
(3) spending carefully (4) No improvement

175. He **comes often** to our house.

- (1) come often (2) often comes
(3) often come (4) No improvement

176. He may have grown taller when I last saw him.

- (1) From when I last saw him
(2) Since I last saw him

- (3) Before I last saw him
(4) No improvement
- 177.** How, is beyond my understanding, the boy could fall into the ditch.
(1) How the boy could fall into the ditch is beyond my understanding.
(2) Beyond my understanding is how the boy could fall into the ditch.
(3) How could the boy fall into the ditch is beyond my understanding.
(4) No improvement
- 178.** The pioneer spacecraft went beyond Pluto.
(1) Made its way past (2) Went across
(3) Went after (4) No improvement
- 179.** Who can prevent you from getting married now you are within age?
(1) In (2) Of
(3) on (4) No improvement
- 180.** Something is pretty here that Reena can wear to the party.
(1) Something here is pretty
(2) Something is here pretty
(3) Here is something pretty
(4) No improvement
- Directions (181-185):** In the following questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four.
- 181.** She was relieved to hear from the doctor that the tumour was not malignant; it was _____.
(1) exposed (2) benign
(3) discovered (4) sizeable
- 182.** It took the child a long time to recover _____ the shock.
(1) under (2) from
(3) over (4) about
- 183.** You have all come well prepared. I ___ you to pass this exam.
(1) wish (2) except
(3) hope (4) expect
- 184.** Children enjoy _____ the TV programmes.
(1) to see (2) to watch
(3) to look at (4) watching
- 185.** Just as in a family it is the willing cooperation of its members that _____ happiness and contentment, so is it in the larger family of the nation.
(1) brought (2) will bring
(3) brings (4) bought
- Directions (186-190):** In these questions, four alternatives are given for the idiom/phrase given in **bold** in the sentence. Choose the alternative which best expresses the meaning of the idiom/phrase given in **bold**.
- 186.** All his projects are **upon the anvil**
(1) futile (2) costly
(3) far from reality (4) in the state of formation
- 187.** Our progress lies in **putting the axe in the helve**.
(1) Being optimistic (2) To solve a problem
(3) working in proper order (4) doing hard work
- 188.** The director's ideas for the development of the company are **all moonshine**.
(1) outdated (2) exemplary
(3) nonsense (4) superficial
- 189.** The sailors were in **a bundle of nerves**.
(1) In a very nervous state (2) Refused to climb down
(3) In a team position (4) In dangerous situation
- 190.** We had had better **batten down the hatches** the weather is unpredictable
(1) Stay in door
(2) Prepare for a difficult situation
(3) Go somewhere safe (4) Face the obstacles
- Directions (191-200):** In the following questions, you have two brief passages with 5 questions following each passage. Read the passage carefully and choose the best answer to each question out of the four alternatives.
- Passage I**
- The art of story telling is not dead, and it will not be allowed to die. The invention of printing, literacy and the average man's increasing enslavement to the visual media in recent decades threaten to stamp out the art altogether. It faces a threat now even in Indian homes, atleast in urban areas, where it has been kept alive for centuries by indulgent grandmothers using the tales of princes, princesses and flying horses for lullaby.
- 191.** Which/Who of the following have kept this art alive for centuries?
(1) Invention of printing and progress of literacy
(2) Changes in man's likes and dislikes
(3) Indulgent grandmothers
(4) Urban people in India
- 192.** Why is it necessary to keep the art alive?
(1) There is a heavy demand for it
(2) It deals with stories of princes, princesses and flying horses.
(3) Children love to listen to stories.
(4) All grandmothers like to tell stories.
- 193.** 'art' as used in the paragraph refers to
(1) a habit of grandmothers
(2) story telling
(3) stories from epics
(4) artificial way of story telling
- 194.** 'tales' in this paragraph relate to
(1) stories of competitions held in schools
(2) bedtime stories
(3) stories of princes, princess-es and flying horses
(4) tragic stories
- 195.** According to the passage, the threat to story telling is the re-sult of

- (1) Invention of printing, literacy and man's enslavement to visual media
- (2) Invention of new methods of entertainment
- (3) Lack of interest in telling stories and listening to the stories
- (4) Unwillingness of urban people to tell stories

Passage II

Among nature's most intriguing phenomena are the partnerships formed by any different species. The name used for these relationships, symbiosis, comes from Greek meaning "living together". Not all symbiotic relationships are the same. There are some called commensal relationships, in which one partner gains a benefit while the other gains little or none but is not harmed. One example is the relationship between two types of fish remoras and sharks. The remora, which is long and often striped, attaches itself to a shark (sometimes to another type of fish or a whale), using a sucker on its head. When the shark makes a kill, the hitchhiker briefly detaches itself to feed on the scraps. Another type of symbiotic relationship is parasitism, in which one partner benefits at the expense of others. Ticks and tapeworms are among familiar parasites. The third type of symbiotic relationship, called mutualism, is a true partnership in which both partners benefit. The relationship may be limited as when zebras and wildbeast graze together on the vast African grasslands. Each species can survive on its own, but together their chances of detecting predators are improved because each contributes an especially keen sense. (Zebras have the better eyesight; wildbeast, hearing and sense of smell). In a few cases partners are so interdependent that one cannot survive without the other.

Most mutualistic relationships probably lie somewhere in between.

- 196.** Remora attaches itself to the shark or whale
 - (1) by entwining its long body around the bigger fish
 - (2) by biting into the fish's body with its teeth
 - (3) with an adhesive organ found in its head
 - (4) with a hook like structure in its head
- 197.** Commensal relationship is a type of symbiosis in which the relationship is beneficial
 - (1) to one and harmless to other
 - (2) to one and harmful to other
 - (3) to both
 - (4) to both for a very short time
- 198.** The passage talks about how animals
 - (1) help each other
 - (2) live together
 - (3) take advantage of the weaker ones
 - (4) are related to each other
- 199.** Parasites
 - (1) are neither beneficial nor harmful to animals they are with
 - (2) benefit at the expense of the animals they live with
 - (3) are beneficial to the animals they live with
 - (4) harm the animals they live with
- 200.** Remora feeds
 - (1) on the shark it travels with
 - (2) on the leftover parts of the shark's prey
 - (3) by detaching itself to attack the prey
 - (4) on a whale or another type of fish

ANSWER KEY

Qns.	Ans.								
101	1	121	3	141	2	161	3	181	2
102	3	122	3	142	2	162	1	182	2
103	3	123	3	143	4	163	2	183	1
104	1	124	3	144	1	164	3	184	4
105	3	125	4	145	1	165	4	185	3
106	3	126	1	146	2	166	3	186	4
107	4	127	3	147	1	167	3	187	2
108	2	128	3	148	2	168	3	188	3
109	1	129	1	149	2	169	3	189	1
110	4	130	3	150	4	170	3	190	2
111	3	131	1	151	2	171	2	191	3
112	2	132	4	152	1	172	3	192	3
113	1	133	3	153	3	173	1	193	2
114	1	134	2	154	3	174	4	194	3
115	2	135	2	155	2	175	2	195	1
116	3	136	3	156	1	176	2	196	3
117	1	137	4	157	3	177	1	197	1

118	3	138	4	158	4	178	1	198	4
119	1	139	2	159	4	179	2	199	2
120	2	140	3	160	4	180	3	200	2

HINTS

- (2) Except the months of April and June, all other months have 31 days each.
- (2) Meaningful order of the planets :
5. Mercury
↓
3. Venus
↓
4. Mars
↓
1. Earth
↓
2. Jupiter
- (3)
A +4 → E +5 → J +6 → P +7 → W
D +5 → I +5 → N +5 → S +5 → X
- (3)
P +2 → R +2 → T +2 → V +2 → X
O +2 → Q +2 → S +2 → U +2 → W
N +2 → P +2 → R +2 → T +2 → V
- (4)
a +2 → c +2 → e +2 → g
r +1 → s +1 → t +1 → u
- (4) $9 + 6 = 15$
 $15 + 8 = 23$
 $23 + 10 = 33$
 $33 + 12 = 45$
- (2) $4 + 3 = 7$
 $7 + 4 + 3 = 14$
 $14 + 3 + 7 = 24$
 $24 + 7 + 10 = 41$
 $41 + 10 + 17 = 68$
- (1) $5 \times 3 + 1 = 16$
 $16 \times 3 + 3 = 51$
 $51 \times 3 + 5 = 158$
 $158 \times 3 + 7 = 481$
- (1) CBA → ABC
Reverse order
ABCD → DCBA
ABCDE → EDCBA
- (2) Suppose the present age of son of x years
Therefore, the present age of father would be 5x years
According to question, $\frac{5x+7}{x+7} = \frac{3}{1}$
⇒ $5x + 7 = 3x + 21$
⇒ $5x - 3x = 21 - 7$
⇒ $2x = 14$
∴ $x = 7$
- (2) There is only one 'N' in the given word. Therefore, the word NATION cannot be formed.

There is no 'M' letter in the given word. Therefore, the word ANIMAL cannot be formed.

There is no 'Y' letter in the given word. Therefore, the word DIRTY cannot be formed.

T R A D I T I O N A L → RADIO

12.

(1)
1 2 3 4 3 2 1 4
N E W S → W E N S
Similarly,
1 2 3 4 3 2 1 4
M A T E → T A M E

13. (3) REASON → 5

Number of Letters - 1

BELIEVED → 8 - 1 = 7

Similarly,

GOVERNMENT → 10 - 1 = 9

14. (1) There are 17 sheep. All but nine died. It means 9 sheep are left.

15. (3) $(6 + 3) + (4 \times 7) = 198$

⇒ $(6 \times 3) \times (4 + 7) = 198$

⇒ $18 \times 11 = 198$

16. (1) $28 - 7 + 2 \times 2 = 0$

⇒ $28 - 7 \times 2 \times 2 = 0$

⇒ $28 - 28 = 0$

17. (2) December 1st week = $\frac{\text{December 3rd week}}{3}$

⇒ $20 \times 3 = 60$

3 x January 1st week = January 3rd week ⇒ $40 \times 3 = 120$

Similarly,

February 1st week = 100

February 3rd week = $100 \times 3 = 300$

18. (1) $4 + 3 = 7$

$7 + 6 = 13$

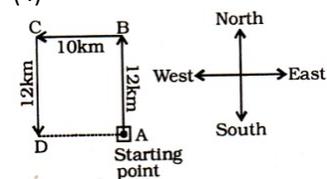
$13 + 9 = 22$

$22 + 12 = 34$

$34 + 15 = 49$

Population in 2013 = 49 lakh

19. (4)



Required distance = AD = 10 km

20. (1) $1 \times 2 + 1 = 3$

$3 \times 2 + 1 = 7$

$7 \times 2 + 1 = 15$

$15 \times 2 + 1 = 31$

21. (4) Dyslexia is a slight disorder of the brain that causes difficulty in reading and spelling. Therefore, Assertion is true. But Reason is not true.

22. (4) First Premise is Universal Affirmative (A-type).
Second Premise is Universal Negative (E-type).
All Americans are English-speaking.



No English-speaking are Eskimos.

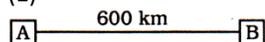
A + E → E type of conclusion

“No American is Eskimo.”

Conclusion I is Converse of it.

Conclusion II is Converse of the second Premise.

23. (1)



Joshua covered a distance of 65 ×

5 = 325 km in 5 hours

Menon has to cover a distance of (600 – 325) = 275 km in 5 hours

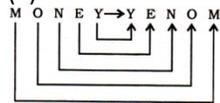
∴ Speed of Menon = $\frac{275}{5}$

= 55 kmph

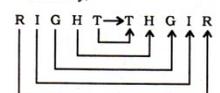
24. (4) Forest is the habitat of Lion. Similarly, water body is the habitat of fish.

25. (2) The causative organism of the polio is virus. Similarly, the causative organism of anthrax is bacteria.

26. (2)



Reverse order to letters
Similarly,



27. (2) Form the jumbled letters NIIOLUSL, we can form the meaningful word ILLUSION. Similarly, we can form VERTEBRA from the jumbled letters TBERVARE.

28. (2)

R U S T

↓ ↓ ↓ ↓

9 6 8 7

Similarly,

T S U R

↓ ↓ ↓ ↓

7 8 6 9

29. (4) The relation is $x : x^2$

13 × 13 = 169

Similarly,

9 × 9 = 81

30. (1) Two consecutive Prime Numbers are given:

23 → 29

Similarly,

41 → 43

31. (3) $2 \times 3 = 6$

$2 \times 5 = 10$

Similarly,

$3 \times 3 = 9$

$3 \times 5 = 15$

32. (3) Tributary is a part of river. Similarly, branch is a part of tree and is analogous to tributary in the case of river.

33. (2) Altitude means the height above sea level. Except Altitude, all other words imply human nature and mental status.

34. (3) SSA → ASS (An Animal)

RMSA → MARS (A Planet)

NASA → American Space Agency

35. (4) Except 66, all other are odd numbers.

36. (2) The number 91 is a product of two Prime Numbers.

$13 \times 7 = 91$

37. (2) Except in the number pair 194-12, in all other number-pairs the first number is completely divisible by the second number.

$\frac{187}{11} = 17; \frac{195}{13} = 15;$

$\frac{224}{14} = 16$ but, $\frac{194}{12} = 16.166$

38. (2) D → Position Number 4

H → Position Number 8

J → Position Number 10

G → Position Number 7 (An odd Number)

39. (2)

S $\xrightarrow{-1}$ R $\xrightarrow{+2}$ T

P $\xrightarrow{-1}$ O $\xrightarrow{-1}$ N

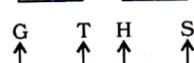
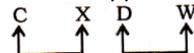
K $\xrightarrow{-1}$ J $\xrightarrow{+2}$ L

V $\xrightarrow{-1}$ U $\xrightarrow{+2}$ W

40. (3)



Pairs of opposite letters



41. (4) Except in the case of Right Angle Triangle, in all other geometrical figures, all the sides are equal.

42. (3) The seven colours of a Rainbow are: Violet, Indigo, Blue, Green, yellow, Orange and Red. Thus, violet colour of rainbow is left out.

43. (4) From the two views of the same dice it is clear that, B, C and E are on the faces adjacent to A. So, E lies opposite to A.

44. (3) Some singers may be boys and vice-versa.

Some boys may be dancers and vice-versa

Some singers may be dancers and vice-versa

Some singers who are boys may be dancers.



45. (1) Gold is different from silver. But both are used for making ornaments.



46. (1) The pieces of question figure have been cut from Answer figure(1).



47. (1)



48. (2)



49. (2)

DANIEL

50. (1)

Option	F	A	D	E
(1)	76	02	75	32
(2)	68	20	57	14
(3)	55	33	65	28
(4)	89	10	96	21

F → 55, 68, 76, 89, 97

A → 02, 10, 24, 33, 41

D → 56, 69, 75, 87, 99

E → 01, 14, 20, 32, 43

51. (3) First number (x) = 17x + 13

Second number (y) = 17y + 11

$$\therefore \frac{x+y}{17} = \frac{17(x+y)}{17} + \frac{13+11}{17}$$

∴ required remainder

= Remainder obtained on dividing

11 + 13 i.e. 24 by 17 = 7

52. (4)
$$\frac{\tan 187^\circ + \cot 263^\circ}{\tan 135^\circ \cot 315^\circ + \tan 173^\circ \cot 83^\circ} = \frac{\tan(180^\circ + 7^\circ) + \cot(270^\circ - 7^\circ)}{\tan(180^\circ - 45^\circ) \cot(360^\circ - 45^\circ) + \tan(180^\circ - 7^\circ) \cot(90^\circ - 7^\circ)}$$

$$= \frac{\tan 7^\circ + \tan 7^\circ}{\tan 7^\circ + \tan 7^\circ} = \frac{(-1)(-1) + (-\tan 7^\circ)\tan 7^\circ}{2 \tan 7^\circ} = \frac{1 - \tan^2 7^\circ}{1 - \tan^2 7^\circ} = \tan 2 \times 7^\circ = \tan 14^\circ = \tan(90^\circ - 76^\circ) = \cot 76^\circ$$

53. (4)
$$\sqrt{\sqrt{0.000064}} = \sqrt[3]{0.008} = \sqrt[3]{0.2 \times 0.2 \times 0.2} = 0.2$$

54. (1) Expression =
$$\frac{3\sqrt{2}+2\sqrt{3}}{3\sqrt{2}-2\sqrt{3}}$$

Rationalising the denominator,

$$= \frac{3\sqrt{2}+2\sqrt{3}}{3\sqrt{2}-2\sqrt{3}} \times \frac{3\sqrt{2}+2\sqrt{3}}{3\sqrt{2}+2\sqrt{3}} = \frac{3\sqrt{2}+2\sqrt{3}}{(3\sqrt{2})^2 - (2\sqrt{3})^2} = \frac{3\sqrt{2}+2\sqrt{3}}{18+12+2 \times 3 \sqrt{3} \times 2\sqrt{3}} = \frac{3\sqrt{2}+2\sqrt{3}}{30+12\sqrt{6}} = \frac{6(5+2\sqrt{6})}{6} = 5 + 2\sqrt{6}$$

55. (1) Expression =
$$\frac{x^2+y^2+xy}{x^3-y^3} = \frac{x^2+y^2+xy}{(x-y)(x^2+y^2+xy)} = \frac{1}{x-y} = \frac{1}{19-18} = 1$$

56. (3)

$$\therefore 1 + 2 + 3 + \dots + n = \frac{n(n+1)}{2}$$

$$\therefore 1 + 2 + 3 + \dots + 25 = \frac{25(25+1)}{2} = 25 \times 13$$

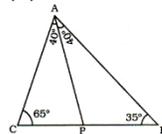
Hence, 13 is a factor of required sum.

57. (3)
$$\left(\sqrt{2} + \frac{1}{\sqrt{2}}\right)^2 = (\sqrt{2})^2 + \left(\frac{1}{\sqrt{2}}\right)^2 + 2 \times \sqrt{2} \times \frac{1}{\sqrt{2}} = 2 + \frac{1}{2} + 2 = 4 \frac{1}{2}$$

58. (2)
$$22 + 24 + 26 + \dots + 50 = 2(11 + 12 + 13 + \dots + 25) = 2(1 + 2 + 3 + \dots + 25) - (1 + 2 + 3 + \dots + 10) = 2\left(\frac{25 \times 26}{2} - \frac{10 \times 11}{2}\right) = 2(325 - 55) = 2 \times 270 = 540$$

59. (4)
$$5.\overline{76} - 2.\overline{3} = 5 + \frac{76}{99} - 2 - \frac{3}{9} = 3 + \frac{76}{99} - \frac{3}{9} = 3 + \frac{76-33}{99} = 3 + \frac{43}{99} = 3.\overline{43}$$

60. (4) In ΔABC



∠B = 35°, ∠C = 65°

$$\Rightarrow \angle A = 180^\circ - (135^\circ + 65^\circ) = 80^\circ$$

$$\Rightarrow \angle CAP = \angle BAP = \frac{1}{2} \times 80^\circ = 40^\circ$$

[AP is bisector of ∠A]

Now in ΔACP, ∠C > ∠CAP

$$\Rightarrow AP > CP \dots\dots\dots(i)$$

Again in ΔABP, ∠PAB > ∠B

$$\Rightarrow BP > AP \dots\dots\dots(ii)$$

From equation (i) and (ii), BP > AP > CP

61. (2)
$$4^{4x+1} = \frac{1}{64} = \frac{1}{4^3}$$

$$\begin{aligned} \Rightarrow 4^{4x+1} &= 4^{-3} \\ \Rightarrow 4x+1 &= -3 \\ \Rightarrow 4x &= -4 \\ \Rightarrow x &= -1 \end{aligned}$$

62. (4) Let the numbers be $6x$ and $6y$ where x and y are prime to each other.

$$\begin{aligned} \therefore 6x \times 6y &= 216 \\ \Rightarrow xy &= \frac{216}{6 \times 6} = 6 \\ \therefore \text{LCM} &= 6xy = 6 \times 6 = 36 \end{aligned}$$

63. (1)

$$\left| \frac{2}{x-4} \right| > 1, x \neq 4$$

$$\Rightarrow \frac{|2|}{|x-4|} > 1$$

$$\Rightarrow 2 > |x-4|$$

$$\Rightarrow 4-2 < x < 4+2$$

$$[\because |x-a| < r \Leftrightarrow a-r < x < a+r]$$

$$\Rightarrow 2 < x < 6, x \neq 4$$

So, in given option the possible value for x are 3.5, 2.5 and 3.

But $x = 1.5$ is not possible.

64. (2) $\sin^2 \theta + \sin \theta = 1$

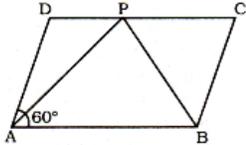
$$\Rightarrow \sin \theta = 1 - \sin^2 \theta = \cos^2 \theta$$

$$\Rightarrow \sin^2 \theta = \cos^4 \theta \quad \dots (i)$$

$$\text{So, } \cos^4 \theta + \cos^2 \theta = \sin^2 \theta + \cos^2 \theta$$

[From equation (i)]

65. (1) $\angle A = 60^\circ, \angle D = 180^\circ - 60^\circ = 120^\circ$



AP is bisector of $\angle A$

$$\text{So, } \angle DAP = \frac{1}{2} \times 60^\circ = 30^\circ$$

In $\triangle APD$,

$$\angle APD = 180^\circ - (\angle PAD + \angle ADP)$$

$$= 180^\circ - (30^\circ + 120^\circ) = 30^\circ$$

$$\Rightarrow \angle DAP = 30^\circ, \angle APD = \angle DAP$$

$$\Rightarrow PD = AD = BC$$

[Opposite side of parallelogram]

$$\Rightarrow PD = 4 \text{ cm.}$$

66. (1) Expression

$$= 2\sqrt{54} - 6\sqrt{\frac{2}{3}} - \sqrt{96}$$

$$= 2\sqrt{9 \times 6} - \sqrt{\frac{2 \times 6 \times 6}{3}} - \sqrt{16 \times 6}$$

$$= 2 \times 3\sqrt{6} - 2\sqrt{6} - 4\sqrt{6}$$

67. (2) $\frac{x^2-x+1}{x^2+x+1} = \frac{2}{3}$

$$= \frac{x^2+x+1}{x^2+x+1} = \frac{2}{3}$$

Dividing numerator and denominator by x

$$\frac{\left(\frac{x+1}{x}\right)-1}{\left(\frac{x+1}{x}\right)+1} = \frac{2}{3}$$

$$\Rightarrow 3\left(x + \frac{1}{x}\right) - 3 = 2\left(x + \frac{1}{x}\right) + 2$$

$$\Rightarrow x + \frac{1}{x} = 2 + 3 = 5$$

68. (3) $1^2 + 2^2 + 3^2 + 4^2 + \dots + n^2$

$$= \frac{n(n+1)(2n+1)}{6}$$

$$\therefore 5^2 + 6^2 + \dots + 10^2 = (1^2 + 2^2) + \dots + 10^2 - (1^2 + 2^2 + 3^2 + 4^2)$$

$$= \frac{10 \times 11 \times 21}{6} - \frac{4 \times 5 \times 9}{6}$$

$$= 385 - 30 = 355$$

69. (4) The pattern of the sequence is :

$$1 + 2^3 = 9$$

$$1 + 3^3 = 28$$

$$1 + 4^3 = 65$$

$$1 + 5^3 = 126$$

$$1 + 6^3 = 217$$

70. (3) From question,

$$(x+1)(x+2) + \frac{1}{x(x-1)} = 0$$

$$\Rightarrow (x+1)(x+2)$$

$$= -\frac{1}{x(x-1)}$$

$$\Rightarrow (x+1)(x+2)x(x-1) = -1$$

$$\Rightarrow x(x+1)(x-1)(x+2) = -1$$

$$\Rightarrow (x^2+x)(x-1)(x^2+x-2) = -1$$

$$\text{Let } (x^2+x) = y, \text{ then } y(y-2) = -1$$

$$\Rightarrow y^2 - 2y = -1$$

$$\Rightarrow y^2 - 2y + 1 = 0$$

$$\Rightarrow (y-1)^2 = 0$$

$$\Rightarrow Y = 1$$

$$\Rightarrow x^2 + x = 1$$

71. (1) $\sin(S-A) + \sin(S-B) + \sin(S-C) - \sin S$

$$= 2 \sin \frac{(S-A)+(S-B)}{2} \cos \frac{(S-A)-(S-B)}{2} + 2 \cos$$

$$\frac{(S-C)+S}{2} \sin \frac{S-C-S}{2}$$

$$= 2 \left[\sin \left\{ \frac{2S-(A+B)}{2} \right\} \cos \left\{ \frac{-(A-B)}{2} \right\} \right] + \cos \frac{2S-C}{2} \sin \left(-\frac{C}{2} \right)$$

$$= \left[\sin \frac{C}{2} \cos \frac{A-B}{2} - \cos \frac{A+B}{2} \sin \frac{C}{2} \right]$$

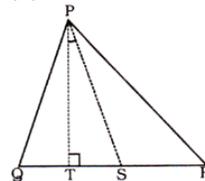
[$\because \cos(-\theta) = \cos \theta, \sin(-\theta) = -\sin \theta$ and from question $A+B+C = 2S$]

$$= 2 \sin \frac{C}{2} \left[\cos \frac{A-B}{2} - \cos \frac{A+B}{2} \right]$$

$$= 2 \sin \frac{C}{2} \cdot 2 \sin \frac{A}{2} \sin \frac{B}{2}$$

$$= 4 \sin \frac{A}{2} \sin \frac{B}{2} \sin \frac{C}{2}$$

72. (2) PS is bisector of $\angle QPR$



$$\angle QPS = \angle SPR$$

$$= \frac{1}{2} \angle QPR = \frac{1}{2} \times 70^\circ = 35^\circ$$

..... (i)

Now, $PT \perp QR$

$\Rightarrow \angle PTQ = 90^\circ$

In ΔPQT ,

$\angle QPT = 90^\circ - \angle PQT = 90^\circ - \angle PQR$

$\Rightarrow \angle QPT = 90^\circ - 75^\circ = 15^\circ$ (ii)

$\Rightarrow \angle TPS = \angle QPS - \angle QPT = 35^\circ - 15^\circ = 20^\circ$

73. (4) Let the CP of the article be Rs. x .

$\therefore \frac{115x}{100} - \frac{1110x}{100} = 10$

$\Rightarrow \frac{5x}{100} = 10$

$\Rightarrow x = \frac{10 \times 100}{5} = \text{Rs. } 200$

74. (4) CP of 1 egg = $\frac{720}{20 \times 12} = \text{Rs. } 3$

\therefore Required SP of 1 egg

$= 3 \times \frac{120}{100} = \text{Rs. } 3.60$

75. (4) Let $x + \frac{1}{x} = y$, then from question,

$(x^2 + \frac{1}{x^2}) + (x^2 + \frac{1}{x^2}) - 4 = 0$

$\Rightarrow (x^2 + \frac{1}{x^2} + 2) + (x + \frac{1}{x}) - 6 = 0$

$\Rightarrow (x + \frac{1}{x})^2 + (x + \frac{1}{x}) - 6 = 0$

$\Rightarrow y^2 + y - 6 = 0$

$\Rightarrow (y + 3)(y - 2) = 0$

$\Rightarrow y = -3$ or $y = 2$

If $y = -3$, then $x = 1/x = -3$

$\Rightarrow x^2 + 1 = -3x$

$\Rightarrow x^2 + 3x + 1 = 0$

$\Rightarrow x = \frac{-3 \pm \sqrt{(+3)^2 - 4 \times 1 \times 1}}{2 \times 1}$

$= \frac{-3 \pm \sqrt{5}}{2}$ (i)

If $y = 2$, then $x + 1/x = 2$

$\Rightarrow x^2 + 1 = 2x$

$\Rightarrow x^2 - 2x + 1 = 0$

$\Rightarrow (x-1)^2 = 0$

$\Rightarrow x = 1, 1$

But from question.

$x \neq 1$ so $x = \frac{-3 \pm \sqrt{5}}{2}$

76. (3)

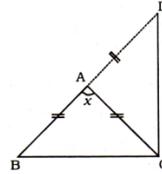
77. (1) If the present worth of the equipment be Rs. 100, then its price after 3 years

$= 100 \times (\frac{80}{100})^3 = \text{Rs. } 51.2$

\therefore Depreciation = 48.8%

78. (4)

79. (3) In ΔABC ,
 $AB = AC$



$\Rightarrow \angle ABC = \angle ACB$ (i)

Now from question,

$AB = AD$

$\Rightarrow AC = AD$ ($\because AB = AC$)

In ΔADC ,

$AC = AD$

$\Rightarrow \angle ADC = \angle ACD$ (ii)

Adding equation (i) and (ii),

$\angle ABC + \angle ADC = \angle ACB + \angle ACD$

$\Rightarrow \angle DBC + \angle BDC = \angle BCD$ (iii)

But, in ΔBCD ,

$\angle DBC + \angle BDC = 180^\circ - \angle BCD$ (iv)

Hence from (iii) and (iv)

$\angle BCD = 180^\circ - \angle BCD$

$\Rightarrow 2 \angle BCD = 180^\circ$

$\Rightarrow \angle BCD = \frac{180^\circ}{2} = 90^\circ$

80. (1) $x - 3 = x^{-1} + 2\sqrt{2}$

$\Rightarrow x - \frac{1}{x} = 3 + 2\sqrt{2}$ (i)

$x^3 + \frac{1}{x^3}$

$= (x - \frac{1}{x}) (x^2 + \frac{1}{x^2} + x \times \frac{1}{x})$

$= (x - \frac{1}{x}) [(x - \frac{1}{x})^2 + 2 + 1]$

$= (3 + 2\sqrt{2}) [(3 + 2\sqrt{2})^2 + 3]$

$= (3 + 2\sqrt{2}) [9 + 8 + 12\sqrt{2} + 3]$

$= (3 + 2\sqrt{2}) (20 + 12\sqrt{2})$

$= 60 + 40\sqrt{2} + 36\sqrt{2} + 48$

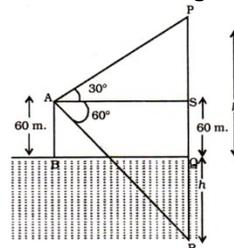
$= 108 + 76\sqrt{2}$

81. (3)

82. (1)

83. (3)

84. (3) Let P is cloud and R is its image in lake and it is seen from point A which is above 60 metre from water level B. Then let, the height of cloud = h metre



In ΔAPS , $\frac{PS}{AS} = \tan 30^\circ$

$AS = \frac{PS}{\tan 30^\circ} = \frac{h-60}{\frac{1}{\sqrt{3}}}$

$$= \sqrt{3}(h - 60) \quad \dots (i)$$

In ΔRAS , $\frac{RS}{AS}$

$$= \tan 60^\circ = \sqrt{3}$$

$$AS = \frac{RS}{\sqrt{3}} = \frac{h+60}{\sqrt{3}} \quad \dots (ii)$$

From equation (i) and (ii),

$$\sqrt{3}(h - 60) = \frac{h+60}{\sqrt{3}}$$

$$\Rightarrow 3(h - 60) = h + 60$$

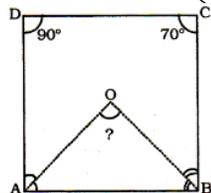
$$\Rightarrow 2h = 60 + 180$$

$$\Rightarrow h = \frac{240}{2} = 120 \text{ metres}$$

85. (2)

86. (1) In ΔOAB

$$\angle AOB = 180^\circ - (\angle OAB + \angle OBA)$$



$$\Rightarrow \angle AOB = 180^\circ - \left(\frac{1}{2}\angle BAD + \frac{1}{2}\angle ABC\right)$$

[\because OA and OB are bisector of $\angle A$ and $\angle B$]

$$\Rightarrow \angle AOB = 180^\circ - \frac{1}{2}(\angle A + \angle B)$$

$$= 180^\circ - \frac{1}{2}[360^\circ - (\angle C + \angle D)]$$

$$= \frac{1}{2}(\angle C + \angle D) = \frac{1}{2}(70^\circ + 90^\circ)$$

$$= \frac{1}{2} \times 160^\circ = 80^\circ$$

87. (3)

88. (1)

89. (1)

90. (3) Time taken by A to complete the work = $\frac{4 \times 3}{2} = 6$ days

Time taken by B to complete the work = $\frac{6 \times 5}{3} = 10$ days

\therefore (A + B)'s 1 day's work

$$= \frac{1}{6} + \frac{1}{10} + \frac{5+3}{30} = \frac{8}{30} = \frac{4}{15}$$

\therefore A and B together will complete

The work in $\frac{15}{4} = 3\frac{3}{4}$ days.

91. (3)

92. (1)

93. (2)

94. (3) Relative speed = $(68 + 40)$ kmph = 108 kmph

$$= \left(\frac{108 \times 5}{18}\right) \text{ m/sec.} = 30 \text{ m/sec}$$

\therefore Required time

$$= \frac{\text{Sum of the lengths of both trains}}{\text{Relative speed}}$$

$$= \left(\frac{70+80}{30}\right) \text{ seconds}$$

$$= 5 \text{ seconds}$$

95. (2) Let the principal be Rs. x.

$$\therefore I_1 = \frac{x \times 10 \times 1}{2 \times 100} = \text{Rs. } \frac{x}{20}$$

$$I_2 = \frac{x \times 9 \times 1}{3 \times 100} = \text{Rs. } \frac{3x}{20}$$

$$I_3 = \frac{x}{6} \times \frac{12 \times 1}{100} = \text{Rs. } \frac{x}{50}$$

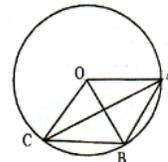
$$\therefore I_1 + I_2 + I_3$$

$$= \text{Rs. } \left(\frac{x}{20} + \frac{3x}{100} + \frac{x}{50}\right)$$

$$= \text{Rs. } \left(\frac{5x+3x+2x}{100}\right) = \text{Rs. } \frac{x}{10}$$

\therefore Average annual rate = 10%

96. (2)



Since OABC is rhombus

Therefore, $AB = BC = OA = OC = 10$ cm

In triangle OBC,

$OC = OB$ (radii of circle)

$\therefore OC = OB = BC = 10$ cm

$\therefore \Delta OBC$ is an equilateral triangle

\therefore Area of rhombus OABC

= $2 \times$ Area of ΔOBC

$$= 2 \times \frac{\sqrt{3}}{4} \times 10 \times 10$$

$$= 50\sqrt{3} \text{ sq. metres}$$

97. (2)

98. (3) $\because 32\% = 800000$

$$\therefore 3\% = \frac{800000}{32} \times 3 = 75000$$

99. (2) Required percentage

$$= \frac{3}{25} \times 100 = 12$$

100. (1) Required ratio = 3 : 7

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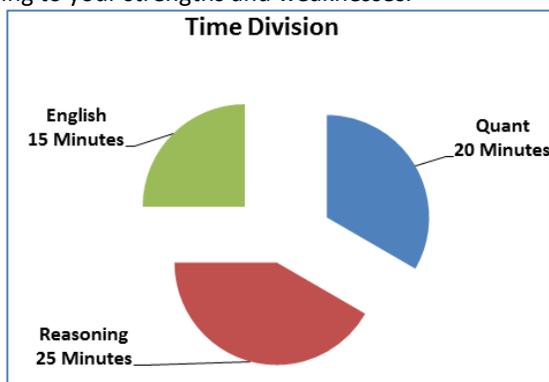
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HOW TO CRACK SBI CLERK PRELIMS 2016?

Hello Friends,

SBI Clerk Preliminary exam is going to be conducted first time and it is expected that it will remain almost similar to the pattern followed for preliminary exam in the year 2015. We have seen that preliminary exam is not the test of the knowledge but the test of your time management. And if we talk about the Mains exam, SBI has already decided the time allocation for each section. So friends, the primary target is the preliminary exam and we have to secure a safe score in order to appear for Mains.

Time Management is one of the key factor that one has to understand and we have seen blunders done by the students at the time of examination. Friends, we have to understand that Preliminary Exam is not conducted to check the knowledge, but to check the ability to switch at the right moment. And the marks of Preliminary exam is not added in the final marks. So what we have to do in the preliminary exam is to attempt sufficient questions with accuracy. And the cost of the mistake is quite huge in preliminary exam as you will not appear for the mains. Below is the graph depicting the Time Division to be followed by most of the students and you can change it according to your strengths and weaknesses.



Now let us discuss the subjects to be asked in preliminary exam and each subject has some chapters that will be for sure in the exam.

Quantitative Aptitude:

This section will have 35 questions and below is the table that shows the topics asked in SBI PO Preliminary Exam 2015.

Topic	No. of Questions
Series	5
Quadratic Equation	-
Simplification	10
Data Interpretation (Tabular)	5

Miscellaneous (SI, CI, Speed & Time, Profit and Loss, Time and Work, Averages, Ages, Ratio etc.)	15
Total	35

From the above table, it can clearly be seen that we don't have to go for all the questions and if we apply some brain, we can segregate the easy questions from the above set. Simplification and Data Interpretation can be done first and then go for the word problems. So try to gain the calculation speed and increase the accuracy.

English Language:

Topic	No. of Questions
Reading Comprehension	10
Close Test	5
Sentence Improvement	5
Para-Jumbled	5
Errors	5
Total	30

This section has remained quite similar and the types of questions asked in each banking and insurance exam are similar for quite long. Nothing new can be expected in this but the difficulty level will be somewhat moderate. Students from Hindi background face difficulties while attempting this section but if practiced properly, clearing it will not be an issue.

Reasoning Ability:

Topic	No. of Questions
Inequalities	5
Coding & Decoding	5
Sitting Arrangement	5+5
Row Arrangement	5
Number/ Alphabetical Series	5
Miscellaneous (Ranking, Direction Sense, Blood Relations etc.)	5

Reasoning has always been a life saver in the exam and this has proved to be one of the scoring section. As you can see the time division diagram above, we have given the maximum time to Reasoning because this section fetches more marks and accuracy in the exam. So friends, keep practicing the puzzle and try to do the easy ones in lesser time. This will help you gain that edge in the written exam.

SBI CLERK-PRE : PRACTICE SET

REASONING

Direction (1-5): Study the following information carefully and answer the given questions:

Ragini, Roshini, Rahul, Renu, Rajeev, Rashmi, Rohit and Rocky are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones who sit at the four corners face the centre while those who sit in the middle of the sides face outside. Two females sit in the middle of the sides and two at the corners. Ragini sits second to the left of Rohit. Rohit sits in the middle of one of the sides. Rahul sits fourth to the right of his wife and his wife is not an immediate neighbour of Ragini or Rohit. Roshini sits third to right of her husband. Roshini does not sit at any of the corners. Only Renu sits between Roshini and Rocky. Rocky is the husband of Ragini. Rajeev is a male.

- Which of the following is true with respect to the given seating arrangement?
 - No two males are immediate neighbours of each other.
 - Rohit and Rocky are immediate neighbours of each other.
 - Rajeev and Renu are immediate neighbours of each other
 - Rashmi is a male and sits diagonally opposite to Rajeev
 - Ragini sits at the centre of one of the sides of the square table
- Who amongst the following is Roshini's husband?
 - Rahul
 - Rohit
 - Rajeev
 - Rashmi
 - Cannot be Determined
- How many people sit between Roshini and Rahul when counted in anti-clockwise direction from Roshini?
 - None
 - One
 - Two
 - Three
 - Four
- Who amongst the following is the wife of Rahul?
 - Renu
 - Rashmi
 - Roshini
 - Rohit
 - Cannot be determined
- What is the position of Rajeev with respect to Rahul?
 - Immediately to the left
 - Second to the right
 - Third to the right
 - Immediately to the right
 - Second to the left

Direction(6-10): Each question consists of three statements followed by two conclusions I and II. Consider the statements to be true even if they are in variance with the commonly known facts. Read all the conclusions and then decide which of the given conclusions and then decide which of the given conclusions logically follow from the given statements using all the three statements together. Mark your answer as –

- If only conclusion I follows.
- If only conclusion II follows.

- If either conclusion I or conclusion II follows.
- If neither conclusion I nor conclusion II follows.
- If both conclusion I and conclusion II follow.

6. Statements:

All meena are sweet. Some vandana are meena.
Some rude are sweet.

Conclusions: I. No rude is a vandana is a possibility.

II. Some sweet which are rude they must be a part of vandana.

7. Statements:

All neeraj are chiku. All fat are neeraj.
All chiku are sweet.

Conclusions: I. All sweet are fat is a possibility.

II. Some sweet which are neeraj also a part of fat.

8. Statements:

All table are chair. Some chair are bed.
All bed are desk.

Conclusions: I. Some desk which are chair are also a part of table.

II. No bed is table is a possibility.

9. Statements:

All aishwariya are katrina. All kareena are sonam.
No kareena is katrina.

Conclusions: I. All aishwariya are sonam is a possibility.

I. All katrina which are sonam are also a part of kareena.

10. Statements:

Some badshah are honey. All honey are raftar.
All badshah are jaz.

Conclusions: I. Some badshah are not honey.

II. All jaz are raftar is a possibility.

Direction (11-15): Study the following information to answer the given questions :

Seven friends Aniket, Neeraj, Vandana, Meena, Prashant, Saurabh and Gopal are sitting in a straight line facing the north not necessarily in the same order. Vandana is second to the left of Gopal. Meena is second to the right of Saurabh. Neeraj is second to the right of Aniket. Meena is second to the left of Prashant. Neeraj is an immediate neighbour of Meena. Aniket is not an immediate neighbour of Meena.

11. Who amongst the following is sitting exactly between Saurabh and Meena?

- Neeraj
- Aniket
- Prashant
- Gopal
- None of these

12. Who amongst the following is sitting in the middle of the straight line?

- Saurabh
- Prashant
- Meena
- Gopal
- None of these

13. Four of the following pairs of people are alike in a certain way based on their positions in the arrangement given above and so form a group. Which one of the following pairs of people does not belong to that group?
 (a) Aniket, Neeraj (b) Neeraj, Saurabh
 (c) Vandana, Gopal (d) Meena, Prashant
 (e) Saurabh, Meena
14. If all the seven are made to sit in alphabetical order. starting from left to right the positions of how many people will not change ?
 (a) One (b) Two (c) Three
 (d) Four (e) More than four
15. Who amongst the following is sitting to the immediate left of Gopal?
 (a) Prashant (b) Vandana (c) Neeraj
 (d) Meena (e) None of these

Direction (16-20): In these questions, the relationship between different elements is shown in the statements. These statements are followed by three conclusions. Mark your answer from the given options.

16. **Statements:** $L \geq M > K$, $Z = K < P$
Conclusions: I. $Z \leq L$ II. $M = P$ III. $Z < M$
 (a) Only I is true (b) Only II is true
 (c) Only III is true (d) Both I and III are true
 (e) None of these
17. **Statements:** $R = P \geq J > S$, $J \leq M < N$
Conclusions: I. $S < R$ II. $N > S$ III. $R = M$
 (a) Only I is true (b) Only II is true
 (c) Either II or III is true (d) both I and II are true
 (e) All are true
18. **Statements:** $S < P = Z \leq M$, $Z \geq K \geq R$, $S \geq J$
Conclusions: I. $M \geq R$ II. $Z > J$ III. $S < Z$
 (a) Only I is true (b) Only II is true
 (c) Only I and II are true (d) All I, II and III are true
 (e) Only II and III are true
19. **Statements:** $K \leq M < R > P$, $R \geq S = N > J$
Conclusions: I. $K < R$ II. $P > S$ III. $S = K$
 (a) Only I is true (b) Only II is true
 (c) Only III is true (d) Only I and II are true
 (e) Only I and III are true
20. **Statements:** $R \leq J > M$, $J \geq L = S < N$, $S \geq P$
Conclusions: I. $P \leq J$ II. $R = L$ III. $M < N$
 (a) Only I is true (b) Only II is true
 (c) Only I and III are true (d) All are true
 (e) None of these

Direction (21-25): Study the following information carefully to answer the given questions.
 In a certain code language,
 'government is ready for disaster management' is written as 'ti cu ko mo je pe', 'management less government' is written as 'de cu ko', 'less organised management' is written as 'cu pa de' and 'government ready in management' is written as 'cu ti ko su'.

21. Which of the following is the code for 'disaster'?
 a) je b) ti c) mo
 d) Can't be determined e) None of these
22. What does 'su' stand for?
 a) government b) ready c) for
 d) in e) Can't be determined
23. Which of the following is the code for 'management in government'?
 a) su cu ti b) su ko cu c) ti ko cu
 d) ko mo su e) None of these
24. Which of the following may be the possible code for 'government should ready in management'?
 a) cu ti ko su ye b) ye ti su ko mo
 c) cu ti mo su ye d) ti ko cu ye je e) None of these
25. If 'organised' is related to 'pa', 'less' is related to 'de' and 'ready' is related to 'ti', then 'for' is related to which of the following?
 a) je b) Pe c) mo
 d) Either 'je' or 'pe' e) can't be determined
26. Pointing to a woman, Sammy said, 'she is the daughter of my grandfather's only daughter'. How is Sammy related to the woman?
 (a) Brother (b) Cousin (c) Uncle
 (d) Can't be determined (e) None of these
27. 'Visual' is related to 'Light' in the same way as 'Audio' is related to
 (a) Voice (b) Sound (c) Drama
 (d) Noise (e) None of these
28. In a class of 40 children, Monika's rank is eighth from the top. Aditya is five ranks below Monika. What is Aditya's rank from the bottom?
 (a) 27 (b) 29 (c) 28
 (d) 26 (e) None of these
29. How many such numerals are there in the number **2576489**, which will remain at the same position when arranged in ascending order from left to right?
 (a) One (b) Two (c) Three
 (d) None (e) Four
30. In a certain code 'DESCRIBE' is written as FCJSDTFE'. How will 'CONSIDER' be written in that code?
 (a) SFEJTOPD (b) SEFJTOPD (c) QFETJOPD
 (d) QEFJTOPD (e) None of these

Direction (31-35): Study the following arrangement carefully and answer the questions given below—

C ? 1 K X 6 U 3 ★ 9 5 \$ R + Z 4 @ G A T # E 7 S © 3

31. How many such prime numbers are there in the given arrangement each of which is immediately followed by a symbol and preceded by a consonant?
 (a) None (b) One (c) Two
 (d) Three (e) More than three
32. If the places of the those symbols which are immediately followed by numbers are interchanged with those of the

numbers in the given arrangement then which of the following will be the eleventh from the right end?

- (a) G (b) @ (c) 4
(d) Z (e) None of these

33. Which of the following is the seventh letter to the left of ©?

- (a) U (b) Z (c) R
(d) X (e) None of these

34. What should come in place of the question mark (?) in the following series based on the above arrangement?

1 6 X, 3 5 9, R 4 Z, ?

- (a) @ T A (b) 4 A G (c) G E #
(d) G # T (e) None of these

35. If the symbols and numbers are dropped from the given arrangement and then the letters are rearranged in alphabetical order which of the following will be the sixth from the left end?

- (a) C (b) S (c) Z
(d) A (e) None of these

Maths

Directions (36-40): What should come in the place of question mark in the following number series?

36. 1224 ? 3022 4221 5620 7219

- (a) 2165 (b) 1986 (c) 1976
(d) 1875 (e) 2023

37. ? 208 501 986 1711 2724

- (a) 59 (b) 63 (c) 78
(d) 54 (e) 67

38. 3 5 13 ? 177 891 5353

- (a) 46 (b) 43 (c) 45
(d) 48 (e) 50

39. 9 11 8 12 ? 13 6

- (a) 10 (b) 5 (c) 8
(d) 4 (e) 7

40. 10 11 26 87 364 ? 11106

- (a) 1845 (b) 1946 (c) 2050
(d) 2112 (e) 1521

Directions (41-45): What should come in the place of question mark

41. $3^{4.5} \times 12^3 \times 24^{3.5} \div 2^{3.5} \times 4^{4.5} = (12)^?$

- (a) 13 (b) 14.5 (c) 11
(d) 11.5 (e) 12

42. $\frac{1}{3}$ of $\frac{5}{7}$ of $\frac{9}{11}$ of $\frac{13}{15}$ of 3465 = ?

- (a) 380 (b) 585 (c) 385
(d) 485 (e) 715

43. $\frac{13824+17576}{576+676-624} = ?$

- (a) 95 (b) 80 (c) 70
(d) 60 (e) 50

44. $\sqrt{1492 + \sqrt{835 + \sqrt{43 - \sqrt{40 + \sqrt{81}}}}}$

- (a) 28 (b) 37 (c) 39
(d) 43 (e) 49

45. 45% of 1998 + ? = 65% of 2400

- (a) 660.9 (b) 690.8 (c) 669.7
(d) 780.2 (e) 682.4

46. $(2)^{-3.7} \div (32)^{-1} \times \frac{1}{16} = (2)^?$

- (a) -12.7 (b) -2.7 (c) 5.3

(d) 3.7 (e) None of these

47. 24.8% of 1550 – 13.2% of 1125 = ?

- (a) 231.1 (b) 235.9 (c) 239.4
(d) 243 (e) 246.5

48. 48% of 325 + 987 ÷ 47 = 12.5% of ?

- (a) 1296 (b) 1416 (c) 1524
(d) 1684 (e) 1704

49. 319.24 – 106.89 + 431.65 – 240.33 = ?

- (a) 407.67 (b) 421.27 (c) 403.67
(d) 424.57 (e) None of these

50. 73174 – 29617 + 43156 – 31619 = ?

- (a) 55094 (b) 54684 (c) 53874
(d) 52124 (e) None of these

51. The average age of man and his son is 44 years. The ratio of their ages 11 years back was 9 : 2. What is the present age of the son?

- (a) 23 years (b) 22 years (c) 20 years
(d) 21 years (e) 36 years

52. A and B can do a piece of work in 40 days and 30 days respectively. They started working together but after some days B left the work. A alone completed the remaining work in 5 days. Find after how many days B left the work.

- (a) 10 days (b) 12 days (c) 15 days
(d) 20 days (e) 8 days

53. A particular sum was divided among A, B and C in the ratio of 3 : 7 : 5. If the amount received by B was Rs 6034 what was the difference between the amount received by A and C?

- (a) Rs 1824 (b) Rs 1642 (c) Rs 1924
(d) Rs 1724 (e) Rs 20242

54. The circumference of a wheel of train is $6\frac{2}{7}$ m. It makes 14 rotations in 6 seconds. Find the speed of the train.

- (a) 52.8 kmph (b) 53.6 kmph (c) 48.6 kmph
(d) 45 kmph (e) 54 kmph

55. A and B are two alloys of gold and copper prepared by mixing metals in the ratio of 5 : 2 and 5 : 7 respectively. If equal quantities of the alloys are melted to form a third alloy C, the ratio of gold to copper in alloy C will be

- (a) 95 : 73 (b) 73 : 95 (c) 19 : 73
(d) 73 : 19 (e) Can't be determined

56. A man sold two watches each for Rs 990. If he gained 10% on one watch and incurred a loss of 10% on the other, what is the loss or gain percentage in the whole transaction?
 (a) 1% profit (b) 2% loss (c) 2% profit
 (d) $1\frac{1}{2}$ % loss (e) 1% loss
57. Two trains were running in opposite directions at the speed of 48 kmph and 24 kmph respectively. If the faster train passed a man sitting in the slower train in 9.5 seconds, what is the length of the faster train?
 (a) 180m (b) 190m (c) 210m
 (d) 240m (e) None of these
58. A bag contains 7 red, 5 blue and 3 black balls. If two balls are drawn at random, what is the probability that both of them are blue ?
 (a) $\frac{2}{105}$ (b) $\frac{2}{21}$ (c) $\frac{1}{12}$
 (d) $\frac{1}{21}$ (e) $\frac{5}{21}$
59. A person spent 40% of his monthly salary on house rent and 25% of the remaining salary on food and he saved the remaining amount. If he saves Rs 48600 annually then what is his monthly salary?
 (a) Rs 8000 (b) Rs 9000 (c) Rs 10000
 (d) Rs 12000 (e) Rs 15000
60. A person invests an amount of Rs 4500 for three years at the rate of 20% per annum. What approximate amount of compound interest will he obtain at the end of three years?
 (a) Rs 3048 (b) Rs 3276 (c) Rs 3484
 (d) Rs 3612 (e) Rs 3760
- Directions (61-65):** Refer to the following table and answer the given questions:
- Number of five books of ABC publication sold in a particular month in five different cities**
- | City →
Book ↓ | Delhi | Patna | Ranchi | Noida | Jaipur |
|-------------------------|-------|-------|--------|-------|--------|
| Maths | 550 | 450 | 390 | 440 | 660 |
| English | 540 | 490 | 395 | 485 | 670 |
| Reasoning | 410 | 485 | 275 | 200 | 110 |
| Verbal Reasoning | 390 | 375 | 225 | 215 | 285 |
| GK | 995 | 875 | 645 | 675 | 660 |
61. The sale of Maths book in all cities is approximately what per cent of the total number of books sold in Delhi?
 1) 43% (2) 89% (3) 73%
 4) 86% (5) 93%
62. The average number of English book sold in all five cities is
 1) 516 (2) 560 (3) 510
 4) 550 (5) 610
63. What is the difference between the average number of GK books and the average number of Verbal Reasoning book sold in all the five cities together?
 1) 414 (2) 494 (3) 472
 4) 418 (5) 413
64. The ratio of Reasoning book sold in all five cities to Maths book sold in all five cities is
 1) 249 : 148 (2) 148 : 249 (3) 256 : 161
 4) 161 : 256 (5) None of these
65. If the price of English book is Rs. 250, then what is the total income from all five cities?
 1) Rs. 645000 (2) Rs. 784400 (3) Rs. 615700
 4) Rs. 694500 (5) Rs. 965000
66. A cistern has 3 pipes A, B and C. A and B can fill it in 3 hours and 4 hours respectively while C can empty the completely filled cistern in 1 hour. If the pipes are opened in order at 3, 4 and 5 p.m. respectively, at what time will the cistern be empty?
 (1) 6 : 15 p.m. (2) 7 : 12 p.m (3) 8 : 12 p.m.
 (4) 8 : 35 p.m. (5) None of these
67. A steamer goes downstream from one port to another in 4 hours. it covers the same distance upstream in 5 hours. if the speed of stream is 2 km/hr., the distance between the two ports is
 (1) 50 km (2) 60 km (3) 70 km
 (4) 80 km (5) None of these
68. In an alloy, zinc and copper are in the ratio 1 : 2. In the second alloy, the same elements are in the ratio 2 : 3. In what ratio should the two alloys be mixed so that the resultant alloy contains zinc and copper in the ratio 5 : 8,
 (1) 3 : 10 (2) 3 : 7 (3) 10 : 3
 (4) 7 : 3 (5) None of these
69. Mr. Nilesh Agrawal opened a workshop investing Rs. 40,000. He invested additional amount of Rs. 10,000 every year. After two years his brother Suresh joined him with an amount of Rs. 8,5000. Thereafter Suresh did not invest any additional amount. On completion of four years from the opening of workshop they earned an amount of Rs. 1,95,000. What will be Nilesh's share in the earning?
 (1) Rs. 85000 (2) Rs.1,10,000 (3) Rs. 1,35,000
 (4) Rs. 95,000 (5) None of these
70. A tradesman, who was selling one kind of tea at Rs. 96 per kg with a loss of 20% and another kind at Rs. 140 per kg with a gain of 25%, mixes the two together in equal ratio. He sells the mixed tea at Rs. 174 per kg. his gain is
 (1) 50% (2) 45% (3) 30%
 (4) 25% (5) None of these

English Language

Directions (71-80): Read the following passage carefully and answer the questions given below it. Certain words/phrases have

been printed in bold to help you locate them while answering some of the questions.

A spot of sunshine is all it could take to clean your clothes within minutes, as scientists, including those of Indian-origin, have developed a low-cost, efficient way to grow nanostructures on textiles that can degrade organic matter when exposed to light. The research from RMIT University in Australia paves the way towards nano-enhanced textiles that can **spontaneously** clean themselves of stains and **grime** simply by being put under a light bulb or worn out in the Sun. The process developed by the team has a variety of applications for catalysis-based industries such as agrochemicals, pharmaceuticals and natural products, and could be easily **scaled up** to industrial levels.

"The advantage of textiles is they already have a 3D structure so they are great at absorbing light, which in turn speeds up the process of degrading organic matter," Rajesh Ramanathan from RMIT University said. "There's more work to do to before we can start throwing out our washing machines, but this advance lays a strong foundation for the future development of fully self-cleaning textiles," he said.

The researchers including Dipesh Kumar and Vipul Bansal, also from RMIT University, worked with copper and silver-based nanostructures, which are known for their ability to absorb visible light. When the nanostructures are exposed to light, they receive an energy boost that creates "hot electrons." These "hot electrons" release a burst of energy that enables the nanostructures to **degrade** organic matter. The challenge for researchers has been to bring the concept out of the lab by working out how to build these nanostructures on an industrial scale and permanently attach them to textiles.

The team's approach was to grow the nanostructures directly onto the textiles by dipping them into a few solutions, resulting in the development of stable nanostructures within 30 minutes. When exposed to light, it took less than six minutes for some of the nano-enhanced textiles to spontaneously clean themselves. "Our next step will be to test our nano-enhanced textiles with organic compounds that could be more **relevant** to consumers, to see how quickly they can handle common stains like tomato sauce or wine," Mr. Ramanathan said.

71. Which of the following option(s) is/are TRUE in the context of the given passage?
- 3D structures have ability to absorb light.
 - Nanostructures take 36 minutes to clean themselves.
 - We are on the verge of a new revolution in textile industry.
- (a) only (i) (b) only (ii) (c) only (iii)
(d) both (i) and (ii) (e) all (i), (ii) and (iii)
72. Which of the following option(s) is/are NOT TRUE in the context of the given passage?
- Nano-enhanced textiles take a few hours to clean themselves.
 - Nanostructure textiles are cost efficient.
 - All the metal-based nanostructures have the ability to absorb visible light.
- (a) only (i) (b) only (ii) (c) only (iii)
(d) both (i) and (iii) (e) all (i), (ii) and (iii)
73. What can be inferred from the given passage?

- The discovery of new textile is significant for various industries.
 - Metals are generally good conductors of heat.
 - We need less water for cleaning Nanostructure textiles.
 - Three dimensional structures are not so good at absorbing the light.
 - None of these.
74. What does the phrase '**scaled up**' mean?
- To enhance the quality of something.
 - To reduce proportionally
 - To make something larger
 - To measure something
 - To reduce the scope or extent of something according to a standard.
75. Which of the following can be the title of the given passage.
- Soon, clothes that can clean themselves with light.
 - Time to dump the washing machines
 - Water conserving natural fibers
 - Revolutionary fibers
 - Research from RMIT University
76. According to the given passage what do you mean by **Catalysis-based** industries?
- Catal based (b) Bovine based (c) Chemical based
(d) Indigo based (e) None of these

Directions (77-78): Choose the word/group of words which is MOST SIMILAR in meaning to the word/group of words printed in bold as used in the passage.

77. **Relevant**
- Trifling (b) Diminutive (c) Harmonious
(d) Significant (e) Incompatible
78. **Spontaneously**
- Immediately (b) Eventually (c) Impromptu
(d) Improvise (e) Extemporize

Directions (79-80): Choose the word/group of words which is MOST OPPOSITE in meaning of the word/group of words printed in bold as used in the passage.

79. **Grime**
- Cleanliness (b) Soot (c) Gloomy
(d) Smirk (e) Grin
80. **Degrade**
- Capsize (b) Decline (c) Pique
(d) Impair (e) Strengthen

Directions (81-85): Rearrange the following six sentences/group of sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below.

- (A) Some of my most cherished memories are of my puppies fighting with cushions, the sun playing hide 'n' seek with the clouds, or me racing for that last bite of the dessert.
- (B) Photos are a return ticket to memories otherwise lost. Much like a forgotten song on the radio or a specific scent, photographs help us travel back in time.

- (C) They help me smile on a bad day and laugh out loud on a good one. One thing they most certainly do is turn your home into a cosy haven of love and joy.
- (D) These moments stay captured through the lens of my old Polaroid. I've framed them, stuck them on the refrigerator and inside cupboard doors.
- (E) The most beautiful things in life are rarely just things. Instead, they are people, places, memories, and pictures – odd selfies and awkward angles included.
- (F) I call myself a 'click-happy' person. My thumb is permanently placed on the click button, lest the crazy grin on my son's face disappears.
81. Which of the following should be the **FOURTH** sentence after the rearrangement?
(a) D (b) F (c) A (d) E (5) C
82. Which of the following should be the **SECOND** sentence after the rearrangement?
(a) A (b) D (c) F (d) B (5) E
83. Which of the following should be the **FIRST** sentence after the rearrangement?
(a) E(b) B (c) D (d) C (5) F
84. Which of the following should be the **SIXTH (LAST)** sentence after the rearrangement?
(a) A (b) D (c) F (d) E (5) C
85. Which of the following should be the **FIFTH** sentence after the rearrangement?
(a) E(b) D (c) B (d) C (5) F
- Directions (86-90):** In each of the following sentences there are certain blank spaces. Below each sentence there are five option can be used to fill up the blank in the sentence in the same sequence to make it meaningfully complete.
86. Bankers commanding astronomic salaries presided over a collective madness which took the global financial _____to the precipice - and has affected living standards and economic _____ around the world.
(a) order, anticipation (b) approach, survey
(c) system, prospects (d) method, anticipation
(e) process, danger
87. Politicians appeared to be unable or unwilling either to _____high finance effectively or to punish those who had been culpably _____.
(a) control, thoughtless (b) regulate, reckless
(c) govern, mindless (d) guide, reckless
(e) adjust, thoughtless
88. Though the Indian media industry has not yet reached a crisis point _____ to its Western counterparts, the time has come to recalibrate our own structures to _____a sustainable public interest information ecology.
(a) analogous, assure (b)proportional, ensure
(c)similar, insure (d)comparable, ensure
(e)parallel, assure
89. Readers sometimes call to ask a specific question, but the discussion _____ moves on to different areas of news production and the _____ therein.
(a) universally, objection (b)repeatedly, provocation
(c) habitually, challenges (d) constantly, summons
(e) invariably, challenges
90. The solution to excessive campaign expenditure and a much too _____eye on the electoral cycle is better found in _____political leaderships to develop self-discipline and to explain to the people the need for unpopular, but necessary, decisions.
(a) centered, inducing (b) blurred, convincing
(c) motivated, prompting (d) focussed, persuading
(e) fuzzy, influencing
- Directions (91-95):** In the following questions, a sentence has been given with some of its parts in bold. To make the sentence grammatically correct, you have to replace the bold part with the correct alternative given below. If the sentence is correct as it is, give e) as your answer (i.e. No correction required).
91. It was his view that "the attainment of human rights in the fullest sense cannot be achieved so long as hundreds of millions of **poor -stricken** people lack the basic necessities for life."
(a) poorly stricken (b) poverty stricken
(c) poor stricken (d) poverty stricken
(e) No replacement required
92. This training will provide you **hand-on experience on any** Digital Marketing disciplines.
(a) hand-on experience in various
(b) handing-on experience in much
(c) handed-on experience in many
(d) hands-on experience in various
(e) No replacement required
93. The Islamic State (IS), **notoriety for it's brutality**, has reportedly executed 250 girls in northern Iraq for refusing to become sex slaves, according to a media report.
(a) notorious for its brutality (b) well known for its brutal
(c) notorious for it's brutality (d) notorious for its brutal
(e) No replacement required
94. The rapid growth and popularity of **taxi managed by aggregators in India** is a testimony to the fact that public transport and transit facilities remain hopelessly inadequate
(a) taxi managing by aggregators within India
(b) taxis managed in aggregators of India
(c) taxis managed at aggregators by India
(d) taxis managed by aggregators across India
(e) No replacement required
95. New claims **at the Kohinoor diamond makes it's** periodic appearance in the United Kingdom.
(a) over the Kohinoor diamond makes its
(b) over the Kohinoor diamond make it's
(c) over the Kohinoor diamond make their

- (d) about the Kohinoor diamond make their
 (e) No replacement required

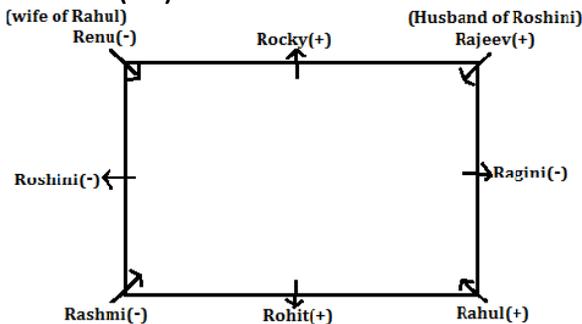
Directions (96-100): In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete.

Anti-slavery advocate Harriet Tubman will become the first African-American on the face of U.S. paper currency, and the first woman in more than a century, when she replaces former President Andrew Jackson on the \$20 bill. The U.S. Treasury Department said on Wednesday that Tubman, (96) was born into slavery in the early 1820s and went on to help hundreds of slaves escape, would take the centre spot on the bill, while Jackson, a slave owner, would move to the back. Introduced alongside a (97) of changes to the \$5 and \$10 notes as well, the redesign gives the Treasury "a chance to open the aperture to reflect more of America's history", Treasury Secretary Jack Lew said. A new \$10 bill will add images of five female leaders of the women's (98) movement, including Sojourner Truth and Elizabeth Cady Stanton, to the back, while keeping founding father Alexander Hamilton on the front. The reverse of a new \$5 note will show former first lady Eleanor Roosevelt and civil rights leader Martin Luther King Jr., officials said. Former President Abraham Lincoln will remain on the front. Mr. Lew said the designs should be unveiled (99) 2020 and go into circulation "as quickly as possible," although he declined to say when. He said the \$10 bill was scheduled to go out first, citing security needs. The long-awaited decision to (100) the seventh president of the United States with Tubman followed months of outreach by the Treasury regarding which woman should be featured on a bill.

96. (a) which (b) that (c) who
 (d) what (e) she
 97. (a) slew (b) wind (c) event
 (d) time (e) adaptation
 98. (a) suffering (b) suffer (c) suffered
 (d) sufferance (e) suffrage
 99. (a) at (b) by (c) in
 (d) on (e) until
 100. (a) put (b) change (c) print
 (d) replace (e) honor

SOLUTIONS:

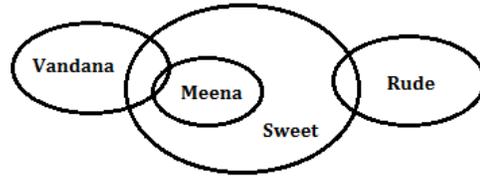
Direction (1-5):



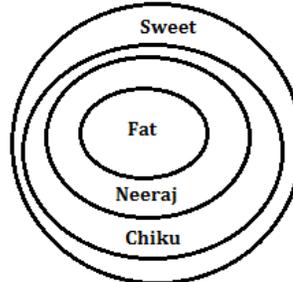
1. (e)
 2. (c)
 3. (c)
 4. (a)
 5. (b)

Direction(6-10):

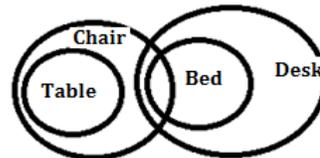
6. (a)



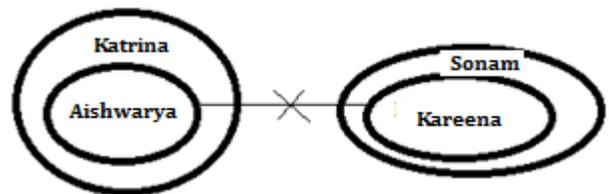
7. (e)



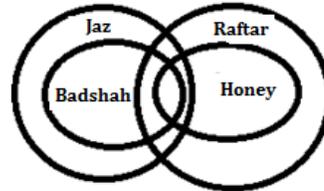
8. (b)



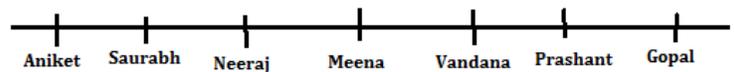
9. (a)



10. (b)



Direction(11-15):



11. (a)
 12. (c)
 13. (b)
 14. (a)
 15. (a)

Direction(16-20):

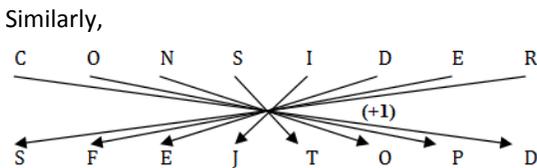
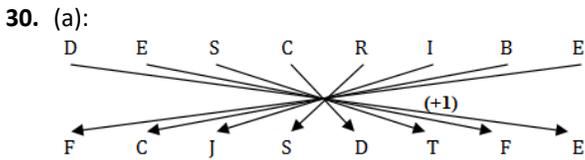
- 16. (c)
- 17. (d)
- 18. (d)
- 19. (a)
- 20. (a)

Directions (21-25)

Management → cu
 Government → ko
 Ready → ti
 In → su
 Less → de
 Organised → pa

- 21. (d)
- 22. (d)
- 23. (b)
- 24. (a)
- 25. (e)
- 26. (b) Cousin
- 27. (b) Audio will be related to sound.
- 28. (c): Rank of Aditya from top = $8 + 5 = 13^{\text{th}}$
 Rank of Aditya from bottom = $(40 - 13) + 1 = 28^{\text{th}}$

29. (e):
- | | | | | | | |
|---|---|---|---|---|---|---|
| 2 | 5 | 7 | 6 | 4 | 8 | 9 |
| 2 | 4 | 5 | 6 | 7 | 8 | 9 |



Direction(31-35):

- 31. (a) There is no such combination.
- 32. (c) According to condition answer will be 4
- 33. (e) The seventh letter to the left of © is G.
- 34. (d) G#T
- 35. (e) The letter will be R.
- 36. (e); The series is $(35)^2 - 1, (45)^2 - 2, (55)^2 - 3, (65)^2 - 4, (75)^2 - 5, \dots$
- 37. (a); The series is $3 \times 4 \times 5 - 1, 5 \times 6 \times 7 - 2, 7 \times 8 \times 9 - 3, 9 \times 10 \times 11 - 4, 11 \times 12 \times 13 - 5, \dots$
- 38. (b); The series is $3 \times 1 + 2 = 5$
 $5 \times 2 + 3 = 13$
 $13 \times 3 + 4 = 43$
 $43 \times 4 + 5 = 177$
 $177 \times 5 + 6 = 891$
 $891 \times 6 + 7 = 5353$

- 39. (e); The series is $9, 9 + 2 = 11, 11 - 3 = 8, 8 + 4 = 12, 12 - 5 = 7, 7 + 6 = 13, 13 - 7 = 6$
- 40. (a); The series is $10, 10 \times 1 + 1^2 = 11$
 $11 \times 2 + 2^2 = 26$
 $26 \times 3 + 3^2 = 87$
 $87 \times 4 + 4^2 = 364$
 $364 \times 5 + 5^2 = 1845$
 $1845 \times 6 + 6^2 = 11106$
- 41. (c); $(12)^? = 3^{4.5} \times 12^3 \times 24^{3.5} \div 2^{3.5} \times 4^{4.5}$
 $= (3 \times 4)^{4.5} \times 12^3 \times \left(\frac{24}{2}\right)^{3.5}$
 $= (12)^{4.5} \times 12^3 \times 12^{3.5}$
 $= (12)^{4.5+3+3.5} = (12)^{11}$
 $\therefore ? = 11$
- 42. (b); 585
- 43. (e); $\frac{13824+17576}{576+676-624} = \frac{31400}{628} = 50$
- 44. (c); $? = \sqrt{1492 + \sqrt{835 + \sqrt{43 - \sqrt{40 + \sqrt{81}}}}}$
 $= \sqrt{1492 + \sqrt{835 + \sqrt{43 - \sqrt{40 + 9}}}}$
 $= \sqrt{1492 + \sqrt{835 + \sqrt{43 - 7}}}$
 $= \sqrt{1492 + \sqrt{835 + 6}}$
 $= \sqrt{1492 + 29}$
 $= \sqrt{1521} = 39$
- 45. (a); $? = 65\% \text{ of } 2400 - 45\% \text{ of } 1998$
 $= 1560 - 899.1$
 $= 660.9$
- 46. (b); $2^? = (2)^{-3.7} \div (2^5)^{-1} \times \frac{1}{16}$
 $= (2)^{-3.7} \div (2)^{-5} \times (2)^{-4}$
 $= (2)^{-3.7+5-4} = (2)^{-2.7}$
 $\therefore ? = -2.7$
- 47. (b); $? = 384.4 - 148.5$
 $= 235.9$
- 48. (b); $\frac{12.5}{100} \times ? = 156 + 21$
 $? = \frac{177 \times 100}{12.5} = 1416$
- 49. (c);
- 50. (a);
- 51. (a); Let me present age of man be x years and that of son be y years.
 Then $\frac{x+y}{2} = 44$
 $x + y = 88 \dots \dots (i)$
 Now 11 years before
 $\frac{x-11}{y-11} = \frac{9}{2}$
 $2x - 22 = 9y - 99$
 $2x - 9y = -77 \dots \dots (ii)$
 From (i) and (ii)
 $x = 65, y = 23$
- 52. (c); A = 40, B = 30, LCM of 40 and 30 is 120

One day work of A = $\frac{120}{40} = 3$, one day work of B = $\frac{120}{30} = 4$

Five day work of A = $5 \times 3 = 15$

Remaining work = $120 - 15 = 105$

No of days in which A and B work together = $\frac{105}{4+3} = 15$

53. (d); Let the Ratio be x

Amount received by B is 7x

$7x = 6034$

$x = 862$

Difference = $5x - 3x = 2x = 1724$

54. (a); Distance covered in 6 second = $14 \times 6 \frac{2}{7}$

$= 14 \times \frac{44}{7} = 88\text{m}$

Speed of train = $\frac{88}{6} = \frac{18}{5} = 52.8$

55. (a); In 1 kg of alloy A,

Gold = $\frac{5}{7}$, copper = $\frac{2}{7}$

In 1 kg of alloy B,

Gold = $\frac{5}{12}$, copper = $\frac{7}{12}$

Ratio of gold and copper in alloy C

$= \frac{5}{7} + \frac{5}{12} : \frac{2}{7} + \frac{7}{12} = \frac{60+35}{84} : \frac{24+49}{84} = 95 : 73$

56. (e); If two articles are sold of x% profit x% loss then there is always $\frac{xy}{100}$ % loss, when SP of both the article

are same $x = 10\%$, $y = 10\%$

\therefore % loss = $\frac{10 \times 10}{100} = 1\%$

57. (b); Relative speed = $48 + 24 = 72$ kmph

$= 72 \times \frac{5}{18} = 20$ m/s

\therefore Length of the faster train = $20 \times 9.5 = 190$

58. (b); $\frac{5c_2}{15c_2} = \frac{2}{21}$

59. (b); Monthly saving = $\frac{48600}{12} = 4050$

Monthly salary = $4050 \times \frac{100}{75} \times \frac{100}{60} = 9000$

60. (b); Amount of the 3 year = $4500 \left(1 + \frac{20}{100}\right)^3 = 7776$

C.I = Amount - Principle

$= 7776 - 4500 = 3276$

61. (4); Total sale of Maths Book = 2490

Total books sale in Delhi = 2885

Req.% = $\frac{2490}{2885} \times 100 = 86\%$ (approx)

62. (1); Average = $\frac{2580}{5} = 516$

63. (3); Average of GK Book = $\frac{3850}{5} = 770$

Average verbal reasoning = $\frac{1490}{5} = 298$

Difference = $770 - 298 = 472$

64. (2); Ratio = $\frac{1480}{2490} = \frac{148}{249}$

65. (1); Income = $2580 \times 250 = 6,45,000$

66. (2) Pipe A is opened at 3 p.m., pipe B at 4 p.m. and the pipe C at 5 p.m.

Part of the tank filled by pipe A in 2 hours = $\frac{2}{3}$

Part of the tank filled by pipe B in 1 hour = $\frac{1}{4}$

Part of the tank filled till 5 p.m. = $\frac{2}{3} + \frac{1}{4} = \frac{8+3}{12} = \frac{11}{12}$

Remaining part = $1 - \frac{11}{12} = \frac{1}{12}$

Net part emptied when A, B and C are opened

$= \frac{1}{3} + \frac{1}{4} - 1 = \frac{4+3-12}{12} = \frac{-5}{12}$

$\therefore \frac{5}{12}$ part is emptied in 1 hour

$\therefore \frac{11}{12}$ is emptied in = $\frac{12}{5} \times \frac{11}{12} = \frac{11}{5}$ hours

= 2 hours 12 minutes

Hence the tank will be emptied at 7 : 12 p.m.

67. (4) Let the distance between two parts be x km.

Let the speed of steamer in still water = y kmph

$\therefore \frac{x}{y+2} = 4$... (i)

and $\frac{x}{y-2} = 5$... (ii)

From equation (i) and (ii),

$4(y+2) = 5(y-2)$

$\Rightarrow 4y + 8 = 5y - 10$

$\Rightarrow 5y - 4y = 10 + 8$

$\Rightarrow y = 18$ kmph

From equation (i) $\frac{x}{18+2} = 4$

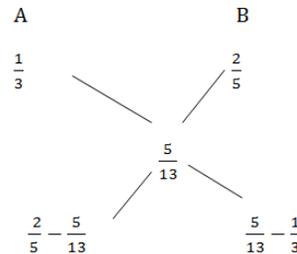
$\Rightarrow x = 4 \times 20 = 80$ km

68. (1) In first alloys, zinc = $\frac{1}{3}$

In second alloy, zinc = $\frac{2}{5}$

In the new alloy, zinc = $\frac{5}{13}$

By the rule of Alligation,



\therefore Required ratio

$= \left(\frac{2}{5} - \frac{5}{13}\right) : \left(\frac{5}{13} - \frac{1}{3}\right)$

$= \frac{1}{65} : \frac{2}{39} = 3 : 10$

69. (2) Computing in terms of 1 year,

Nilesh's investment

= $40,000 + 50,000 + 60,000 + 70,000 = \text{Rs. } 2,20,000$

Suresh's investment = $85,000 \times 2 = \text{Rs. } 1,70,000$

Nilesh : Suresh = 22 : 17

\therefore Nilesh's share in the earning = $\frac{195000}{22+17} \times 22$

= $5000 \times 22 = \text{Rs. } 110000$

70. (1) CP of 2 kg of mixture

= $\text{Rs. } \left(\frac{96 \times 100}{80} + \frac{140 \times 100}{125}\right)$

= $\text{Rs. } (120 + 112) = \text{Rs. } 232$

\therefore CP of 1 kg of mixture = $\text{Rs. } 116$

\therefore Gain percent = $\frac{174-116}{116} \times 100 = 50\%$

71. (a); It is given in the third paragraph, that "The advantage of textiles is they already have a 3D structure so they are great at absorbing light, which in turn speeds up the process of degrading organic matter" from this we may infer that 3D structures are good absorber of light. Hence, (i) is true. According to the given passage it takes 30 minutes to prepare nanostructures and 6 minutes for the same to spontaneously clean themselves. Hence (ii) is not true. No such revolution has been discussed in the given passage, hence, (iii) is also not true. Hence, (a) is the correct option.
72. (d); It is given in the passage that nano-enhanced textiles can clean themselves in 6 minutes. Hence, (i) is not true. It is mentioned in the first paragraph that the newly developed textile is of low cost. Hence, we can infer that (ii) is true. The passage throws light on the light-absorbing property of only two metal-based nanostructures (copper and silver) but from this information, we cannot infer that all the metal-based nanostructures have the ability to absorb visible light. Hence, (iii) is also not true. Hence, (d) is the correct option.
73. (a); It is given in the first paragraph that "The process developed by the team has a variety of applications for catalysis-based industries such as agrochemicals, pharmaceuticals and natural products, and could be easily scaled up to industrial levels." this sentence shows the significance of the newly developed polymer in various industries. Please note that although option (b) is a universal fact, yet it can't be inferred from the given passage. Hence, (b) is not the correct option. According to the passage we do not need water to clean nanostructures. Hence (c) is also not true. Similarly, it is given in the second paragraph that 'advantage of textiles is they already have a 3D structure so they are great at absorbing light.'. Hence, (d) is also not correct Hence (a) is the correct option.
74. (c); 'Scale up' means 'To make something large in size, especially a design or model'. Hence, (c) is the correct option.
75. (a); The entire passage envisages about the future polymers having the ability to clean themselves with sunlight. Option (b) cannot be the correct option as it is specifically given in the passage that "There's more work to do to before we can start throwing out our washing machines" so this title is not apt. Similarly no other option sums up the given passage. Hence, (a) is the correct option.
76. (c); The 'Chemical based industries' are called the 'Catalysis-based' industries. Hence, (c) is the correct option.
77. (d); 'Relevant' means 'closely connected or appropriate to the matter in hand.' Hence, 'significant' is the word which is most similar in meaning to it.
78. (a); 'Spontaneously' means 'performed or occurring as a result of a sudden impulse or inclination'. Hence, 'Immediately' is the word which is most similar in meaning to it.
79. (a); 'Grime' means 'dirt ingrained on the surface of something.'. Hence 'cleanliness' is the word which is most opposite in meaning to it.
80. (e); 'Degrade' means 'break down'. Hence 'strengthen' is the word which is most opposite in meaning to it.
- For questions (81-85); The correct sequence to form meaningful paragraph is **EBFADC**.
81. (c); A
82. (d); B
83. (a); E
84. (e); C
85. (b); D
86. (c); 'system, prospects' is the correct use.
Prospects means the possibility or likelihood of some future event occurring.
87. (b); 'regulate, reckless' is the correct use.
Reckless means heedless of danger or the consequences of one's actions.
88. (d); 'comparable, ensure' is the correct use.
Comparable means able to be likened to another.
Ensure means make certain that (something) will occur or be the case.
89. (e); 'invariably, challenges' is the correct use.
Invariably means in every case or on every occasion.
Challenges means a call to someone to participate in a competitive situation.
90. (d); 'focussed, persuading' is the correct use.
Focussed means pay particular attention to.
Persuading means induce (someone) to do something through reasoning or argument.
91. (b); Replace 'poor –stricken' with 'poverty stricken'.
92. (d); Replace 'hand-on experience on any' with 'hands-on experience in various'
93. (a); Replace 'notoriety for it's brutality' with 'notorious for its brutality'
94. (d); Replace 'taxi managed by aggregators in India' with 'taxis managed by aggregators across India'
95. (c); Replace 'at the Kohinoor diamond makes it's' with 'over the Kohinoor diamond make their'
96. (c) 97. (a) 98. (e) 99. (b) 100. (d)

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Directions (1-5): In each of the questions below are given three statements followed by three Conclusions I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

1. **Statements:** Some water are lake. All lake are river. All river are shower.

Conclusions:

I. Atleast some shower are water.

II. All river being water is a possibility.

III. Some shower are lake.

(a) I and II follow (b) II and III follow

(c) I and III follow (d) All follow

(e) None of these

2. **Statements:** All parrot are Lion. All lion are deer. Some deer are fox.

Conclusions: I. Some fox are definitely parrot.

II. Atleast some deer are Parrot.

III. All fox are Lion.

(a) None follows (b) Only I follows (c) Only II follows

(d) Only III follows (e) II and III follow

3. **Statements:** All plot are rooms. Some rooms are halls. All halls are town.

Conclusions: I. Some town being plot is a possibility.

II. Atleast some halls are plot.

III. Only town are rooms.

(a) None follows (b) Only I follows (c) Only II follows

(d) Only III follows (e) II and III follow

4. **Statements:** Some whisky are wine. Some wine are scotch. All scotch are rum.

Conclusions: I. Some rum being wine is a possibility.

II. Atleast some scotch are whisky.

III. No scotch is whisky.

(a) Only I follows (b) Only II follows (c) Only III follows

(d) II and III follow (e) None of these

5. **Statements:** All silver are golds. Some golds are platinum. No platinum is aluminium.

Conclusions:

I. All aluminums are silver.

II. Some platinum are definitely silver.

III. Some aluminums are golds.

(a) None follows (b) Only I follows (c) Only II follows

(d) Only III follows (e) II and III follow

Directions (6-10): Read the following passage carefully and answer the question given below it.

A group of seven employees with Rank 1st, 2nd, 3rd, 4th, 5th, 6th and 7th work as Electrician, Marketing officer, IT officer, Sales Manager, Clerk, Probationary Officer and Research Analyst, for banks Pnb, Sbi, Bob, Canara, Vijya, Allahabad and Syndicate but not necessary in the same order.

Rank 3rd works for Bank Bob and is neither a Research Analyst nor a clerk. Rank 5th is IT officer and works for Bank Allahabad. Rank 1st works as Probationary officer and does not work for Bank Pnb or Vijya. The one who is an Marketing officer works for Bank Sbi and the one who works for Bank Pnb works as a Sales Manager. Rank 6th works for Bank Vijya. Rank 7th works for Bank Canara as Research Analyst. Rank 4th is not an Marketing officer.

6. Who amongst the following Ranked employee work as a Marketing officer?

(a) 3rd (b) 2nd (c) 6th

(d) 4th (e) None of these

7. What is the profession of Rank 3rd ?

(a) Sales Manager (b) Marketing officer

(c) Electrician (d) Cannot be determined

(e) None of these

8. For which bank does Rank 2nd work?

(a) Sbi (b) Syndicate (c) Pnb

(d) either Sbi or Syndicate (e) None of these

9. What is the profession of the person who works for Bank Syndicate.

(a) Clerk (b) Agriculture

(c) Sales Manager (d) Probationary Officer

(e) None of these

10. Which of the following combinations of Rank, profession and Bank is correct?

(a) Rank 1-Probationary officer -Sbi

(b) Rank 4-Clerk- Pnb

(c) Rank 6-Marketing officer- Vijya

(d) Rank 2-Marketing officer -Syndicate

(e) None of these

Directions (11-15): In these questions the symbols #, @, π , \$ and % are used with different meaning as given below:

'P # Q' means 'P is smaller than Q'

'P @ Q' means 'P is greater than Q'

'P π Q' means 'P is either smaller than or equal to Q'

'P \$ Q' means 'P is either greater than or equal to Q'

'P % Q' means 'P is neither smaller nor greater than Q'

In each of the following questions, assuming the given statements to be true, find out which of the two conclusions I and II given below them is/are definitely true. Give answer

a) if only conclusion I is true.

b) if only conclusion II is true.

- c) if either conclusion I or II is true.
 d) if neither conclusion I nor II is true.
 e) if both conclusions I and II are true.

11. **Statement:** L \$ M % Q © S # T π P

Conclusions: I. T © L II. L © S

12. **Statement:** W # H π I % C \$ H © S

Conclusions: I. C \$ W II. I © S

13. **Statement:** W % X © Y π Z © R % L

Conclusions: I. Z © L II. Y # W

14. **Statement:** A # N % O π T π H # E

Conclusions: I. E \$ O II. H © N

15. **Statement:** P © V % T # D # M \$ F

Conclusions: I. M © V II. P # F

Directions (16-20): Study the following information to answer the given questions:

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row-1 Parul, Quraisi, Ritu, Sweta, Tina and Vikrant are seated and all of them are facing South. In row-2 Anuj, Bulbul, Chanchal, Divyaraj, Emraan and Fatima are seated and all of them are facing North. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row.

Sweta sits third to right of Quraisi. Either Sweta or Quraisi sits at an extreme end of the line. The one who faces Quraisi sits second to right of Emraan. Two people sit between Bulbul and Fatima. Neither Bulbul nor Fatima sits at an extreme end of the line. The immediate neighbour of Bulbul faces the person who sits third to left of Parul. Ritu and Tina are immediate neighbours of each other. Chanchal sits second to the left of Anuj. Tina does not face the immediate neighbour of Divyaraj.

16. Who amongst the following sits at extreme ends of the rows?
 a) Sweta, Divyaraj b) Quraisi, Anuj c) Vikrant, Chanchal
 d) Parul, Divyaraj e) Quraisi, Fatima
17. Who amongst the following faces Sweta?
 a) Anuj b) Bulbul c) Chanchal
 d) Divyaraj e) Fatima
18. How many persons are seated between Vikrant and RITU?
 a) One b) Two c) Three
 d) Four e) None
19. Parul is related to Anuj in the same way as Sweta is related to Bulbul based on the given arrangement. To which of the following is Tina related to following the same pattern?
 a) Chanchal b) Divyaraj c) Emraan
 d) Fatima e) Cannot be determined
20. Which of the following is TRUE regarding Tina?
 a) Fatima faces Tina
 b) Vikrant is an immediate neighbour of Tina
 c) Fatima faces the one who is second to right of Tina
 d) Tina sits at one of the extreme ends of the line
 e) Quraisi sits second to the right of Tina

Directions (21-25): Study the following information and answer the given questions:

Nine people – P, Q, R, S, T, U, V, W, and X live on separate floors of a 9-floor building. Ground floor is numbered 1, first floor is numbered 2 and so on until the topmost floor is numbered 9. Each one of these is travelling to a different city of USA viz. Springfield, Clinton, Madison, Franklin, Washington, Chester, Marion, Greenville, and Georgetown but not necessarily in the same order.

Only five people live above the floors on which P lives. Only one person lives between P and the one travelling to Chester.

U lives immediately below the one travelling to Clinton. The one travelling to Clinton lives on an even numbered floor.

Only three people live between the ones travelling to Chester and Madison.

T lives immediately above R. T is not travelling to Madison. Only two people live between Q and the one travelling to Washington. The one travelling to Washington lives below the floor on which Q lives. W is travelling to Greenville and lives on floor no. 8.

The one travelling to Springfield does not live immediately above or immediately below Q.

S does not live immediately above or immediately below P. X travelling to Georgetown and lives immediately above W. V does not travel to Franklin.

21. Which of the following is true with respect to V as per the given information?
 (a) The one, who lives immediately below V, is travelling to Clinton.
 (b) V lives on floor no. 7.
 (c) V lives immediately below T.
 (d) V lives on the lowermost floor.
 (e) V is travelling to Chester.
22. Who amongst the following lives on floor no. 3 ?
 (a) The one travelling to Franklin
 (b) The one travelling to Washington
 (c) R (d) V (e) T
23. Who lives on the floor immediately above T ?
 (a) P (b) Q (c) S
 (d) V (e) U
24. To which of the following cities is S travelling?
 (a) Clinton (b) Chester (c) Madison
 (d) Washington (e) Franklin
25. How many people live between the floors on which S and the one travelling to Georgetown live?
 (a) None (b) Two (c) One
 (d) More than three (e) Three

Directions (26-30): Study the following information carefully and answer the questions asked:

The questions given below contain two statements giving some information. You have to decide whether the data given in the statements are sufficient for answering the questions?

46. An image on a computer screen is made up of a matrix of what?
 (a) Byte (b) Pixels (c) Bit
 (d) Palette (e) None of these
47. Nortel is a company which manufactures:
 (a) Software (b) Processors (c) Routers
 (d) Network equipment (e) None of these.
48. An example of a universal building block is :
 (a) NOT Gate (b) AND Gate (c) OR gate
 (d) NOR Gate (e) None of these
49. The phrase _____ describes viruses, worms, Trojan horse attack applets, and attack scripts.
 (a) malware (b) spam (c) threat
 (d) virus (e) None of these
50. A _____ is a small program embedded inside of a GIF image.
 (a) web bug * (b) cookie
 (c) spyware application (d) spam (e) None of these

MATHS

Directions (51–55): What approximate value will come in place of the question-mark (?) in the following questions? (You are not expected to calculate the exact value.)

51. $465 \times 84 + 765 \times 86 - 211 \times 99 = ?$
 (1) 84000 (2) 10800 (3) 74000
 (4) 95000 (5) 11100
52. $151.1\% \text{ of } 151.1 + 151.1 = ?$
 (1) 380 (2) 400 (3) 350
 (4) 420 (5) 440
53. $2001 \times 473 \div 1001 - 245 = ?$
 (1) 650 (2) 700 (3) 950
 (4) 850 (5) 1000
54. $\sqrt{2400} - \sqrt{1220} + \sqrt{440} = ?$
 (1) 59 (2) 35 (3) 44
 (4) 25 (5) 30
55. $\frac{501}{58} \times \frac{291}{101} \div \frac{31}{155} = ?$
 (1) 140 (2) 125 (3) 95
 (4) 85 (5) 110

Directions (56-60): What value should come in place of question mark (?) in the following equations?

56. $27 + 28 \times 3.5 - 14 \times 6.5 = ?$
 (1) 48 (2) 42 (3) 38
 (4) 34 (5) 28
57. $\frac{4}{7} \text{ of } 1058.4 = ?\% \text{ of } 448$
 (1) 175 (2) 165 (3) 155
 (4) 145 (5) 135
58. $\frac{?}{441} = \frac{16}{?}$
 (1) 72 (2) 84 (3) 96
 (4) 108 (5) 124
59. $\sqrt{1369} \times \sqrt{72.25} = ?$
 (1) 302.5 (2) 306.5 (3) 308.5
 (4) 312.5 (5) 314.5
60. $45\% \text{ of } 660 - 32\% \text{ of } 555 = ?$
 (1) 113.4 (2) 116.4 (3) 119.4
 (4) 123.4 (5) 127.4
61. $854.4 \div 4.8 = ?$
 (1) 164 (2) 172 (3) 175
 (4) 178 (5) 184
62. $\sqrt{?} + \sqrt{676} = 74$
 (1) 1936 (2) 2116 (3) 2304

- 4) 2704 (5) 3136
63. $73804 + 81819 - 68527 - 45366 = ?$
 (1) 41730 (2) 42130 (3) 42830
 (4) 43670 (5) 43730
64. $(3.6)^{-2.8} \times (46.656)^{1.2} \div 12.96 = (3.6)^?$
 (1) 1.2 (2) -1.2 (3) 4.4
 (4) -4.4 (5) None of these
65. $\frac{4}{7} \text{ of } 1316 - \frac{5}{9} \text{ of } 1152 = ?$
 (1) 104 (2) 108 (3) 112
 (4) 116 (5) 120

Directions (66-70): Study the following table carefully and answer the given questions:

The number of various crimes, as supplied by national crime record, reported in different states in the year 2012-13.

Dist	Stalking	Assault	Theft	Murder	Criminal Trespass
Bihar	352	496	265	132	332
MP	376	225	216	125	115
UP	85	125	53	56	57
HP	10545	3652	12224	354	10128
AP	445	225	252	173	154
Delhi	473	576	675	764	852
Haryana	245	256	257	261	263
Rajasthan	273	276	278	252	353

66. The total number of various crimes in HP is
 (1) 37803 (2) 38903 (3) 37903
 (4) 36903 (5) 37003
67. Find the ratio of Stalking and Assault in UP to Theft and Criminal Trespass in Haryana.
 (1) 28 : 51 (2) 21 : 52 (3) 52 : 21
 (4) 14 : 55 (5) 55 : 14
68. Find the approximate average of Murder and Theft in all the eight states together.
 (1) 1141 (2) 1132 (3) 1311
 (4) 941 (5) 1021
69. The total number of Assaults and Murders together in Bihar is what per cent of the total number of crimes in that state?
 (1) 29.82% (2) 39.82% (3) 25%
 (4) 21.82% (5) 25.5%

- 70.** Find the difference between the number of various crimes committed in Bihar and that in Rajasthan.
 1) 105 2) 98 3) 145
 4) 139 5) 104
- Directions (71-75):** What should come in place of question mark (?) in the following number series?
- 71.** 228 224 208 172 108 ? -136
 1) 8 2) 9 3) 15
 4) 0 5) -12
- 72.** 10 18 34 ? 130 258 514
 1) 60 2) 64 3) 68
 4) 72 5) 66
- 73.** 7 ? 22 37 57 82 112
 1) 13 2) 14 3) 15
 4) 12 5) 11
- 74.** 15 32 ? 400 2005 12036 84259
 1) 125 2) 99 3) 100
 4) 120 5) 150
- 75.** 122 148 178 212 ? 292 338
 1) 255 2) 260 3) 250
 4) 262 5) 264
- 76.** The circumference of a circle is equal to the side of a square whose area measures 407044 sq cm. What is the area of the circle?
 (1) 22583.2 sq. m. (2) 32378.5 sq. m.
 (3) 41263.5 sq. m. (4) 39483.4 sq. m.
 (5) Cannot be determined
- 77.** 60 per cent of $\frac{2}{7}$ of three-fourths of a number is 1836. What is the number?
 1) 14280 2) 13391 3) 15670
 4) 16220 5) None of these
- 78.** The ratio of the present age of A to that of B is 5 : 3. After 16 years the total of their ages will be 96 years. What will be the ratio of their ages at that time?
 1) 5 : 4 2) 6 : 5 3) 7 : 4
 4) 7 : 5 5) 8 : 5
- 79.** If the compound interest accrued on an amount of Rs 14,500 in two years is Rs 4676.25, what is the rate of interest p.c.p.a.?
 (1) 11 (2) 9 (3) 18
 (4) 15 (5) None of these
- 80.** The ages of Ranjana and Rakhi are in the ratio of 15 : 17 respectively. After 6 years, the ratio of their ages will be 9 : 10. What will be the age of Ranjana after 6 years?
 (1) 40 years (2) 30 years (3) 34 years
 (4) 36 years (5) None of these
- 81.** The simple interest accrued on an amount of Rs. 20000 at the end of 3 years is Rs. 7200. What would be the compound interest accrued on the same amount at the same rate in the same period?
 (1) Rs. 8342.36 (2) Rs. 8098.56 (3) Rs. 8246.16
 (4) Rs. 8112.86 (5) None of these
- 82.** Ninad, Vikas and Manav enter into a partnership. Ninad invests some amount at the beginning. Vikas invests double the amount after 6 months and Manav invests thrice the amount invested by Ninad after 8 months. They earn a profit of Rs. 45000 at the end of the year. What is Manav's share in the profit?
 (1) Rs. 25000 (2) Rs. 15000 (3) Rs. 12000
 (4) Rs. 9000 (5) None of these
- 83.** A train 180 m long moving at the speed of 20 m/sec. overtakes a man moving at a speed of 10m / sec in the same direction. The train passes the man in:
 (1) 6 sec (2) 9 sec (3) 18 sec
 (4) 27 sec (5) None of these
- 84.** The distance between two cities A and B is 330 km. A train starts from A at 8 a.m. and travels to wards B at 60 km / hr another train starts from B at 9 a.m. and travels towards A at 75 km/ hr At what time do they meet?
 (1) 10 a.m. (2) 10 :30 a.m. (3) 11 a.m.
 (4) 11 :30 a.m. (5) None of these
- 85.** In covering a certain distance, the speeds of A and B are in the ratio of 3 : 4. A takes 30 minutes more than B to reach the destination. The taken by A to reach the destination is:
 (1) 1 hour (2) 1.5 hours (3) 2 hours
 (4) 2.5 hours (5) None of these
- 86.** The ratio of the number of students studying in Schools A, B and C is 4 : 8 : 3 respectively. If the number of students studying in each of the schools is increased by 80%, 20% and 60% respectively, what will be the new ratio of the number of students in Schools A, B and C.
 (1) 8 : 3 : 4 (2) 4 : 2 : 3 (3) 2 : 3 : 4
 (4) Can't say (5) None of these
- 87.** A person covered some distance in 24 hours. He covered half the distance by rail @ 75 km per hour and the rest by car @ 45 km/hr. The total distance covered by him was
 (1) 900 km (2) 1350 km (3) 675 km
 (4) 2700 km (5) None of these
- 88.** A sum of Rs. 2135 is to be divided among A, B and C in such a way that 3 times A's share, 4 times B's share and 7 times C's share are all equal. The share of C is
 (1) Rs. 420 (2) Rs. 735 (3) Rs. 980
 (4) Rs. 1200 (5) None of these
- 89.** A person sold 160 mangoes for the C.P. of 200 mangoes. His gain percent is
 (1) 10% (2) 15% (3) 12½%
 (4) 25% (5) None of these
- 90.** In how many different ways can the letters of the word DESIGN be arranged so that the vowels are at the two ends ?
 (1) 48 (2) 72 (3) 36
 (4) 24 (5) None of these
- Directions (91-95):** Study the table below and answer the questions that follow:

**Oil import from different countries over the years
(in million tonnes)**

COUNTRY	2007-08	2008-09	2009-10	2010-11	2011-12
Saudi Arabia	28.8	29.9	27.2	27.4	32.6
Iran	20.5	21.8	21.2	18.5	17.5
Iraq	15.8	14.4	15.0	17.2	24.6
Nigeria	11.6	10.5	13.2	15.9	14.2
Kuwait	13.9	14.8	11.8	11.5	17.8
Venezuela	7.2	7.6	7.3	10.3	9.6

91. What is the ratio of average of imports from Iraq to that from Venezuela for all the years?

- (1) 14 : 29 (2) 29 : 14 (3) 39 : 23
(4) 23 : 39 (5) None of these

92. In which of the following years is the percentage increase/decrease in oil import from Nigeria the maximum?

- (1) 2008-09 (2) 2010-11 (3) 2009-10
(4) 2011-12 (5) None of these

93. What is the approximate percentage of oil import from Iran in the year 2009-10 with respect to total oil import in all the years together?

- (1) 20% (2) 23% (3) 21%
(4) 25% (5) None of these

94. What is the approximate average of percentage increase or decrease in oil import from Kuwait over its previous year for the given period?

- (1) 4% (2) 5% (3) 15%
(4) 21% (5) None of these

95. Average oil import from all the countries in the year 2011-12 is approximately what percentage of that in the year 2009-10?

- (1) 21% (2) 15% (3) 115%
(4) 121% (5) None of these

Directions (96-100):In each of these questions, two equation (I) and (II) are given. You have to solve both the equations and give answer

- 1) if $x > y$ 2) if $x \geq y$ 3) if $x < y$
4) if $x \leq y$ 5) if $x = y$ or no relation can be established between x and y

96. I. $x^2 - 2x - 15 = 0$

II. $y^2 + 5y + 6 = 0$

97. I. $x^2 - x - 12 = 0$

II. $y^2 - 3y + 2 = 0$

98. I. $x - \sqrt{169} = 0$

II. $y^2 - 169 = 0$

99. I. $x^2 - 32 = 112$

II. $y - \sqrt{256} = 0$

100. I. $x^2 - 25 = 0$

II. $y^2 - 9y + 20 = 0$

English Language

Directions (101-110): Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in bold to help you locate them while answering some of the questions.

Describing him as an “exemplary activist who not just criticises but shows alternatives,” noted historian and author, Ramachandra Guha, finds his personality, simplicity and life appealing. Sunita Narain, Director-General of Centre for Science and Environment, refers to his movement concerning people and trees key to development and one that shook the soul of India. Historian Anupam Mishra, attributes to him the genesis of an idea which transcended barriers of language and boundaries. All these encomiums are directed towards Chandi Prasad Bhatt, the activist who started an environment movement of, by and for the people.

Bringing Bhatt and his **yeoman** contribution to the environment movement to the centrestage is this year’s winner of 63rd National Award in the Best Environment Film including Agriculture in the non-feature category “The Man Who Dwarfed The Mountains”. Directed by Ruchi Shrivastava and Sumit Khanna, it zeroes on one of the pioneers of the Chipko Movement while highlighting not just Bhatt’s fight for protecting forests and environment but also his struggle to safeguard and renew livelihoods.

From the opening frame, the documentary establishes the relevance of Bhatt and his philosophy in today’s context. Showing the havoc caused by the 2013 Uttarakhand floods which swept away houses, farms and people, the audience are

reminded of the devastation while being informed that Bhatt had cautioned about this disaster way back in 2009 in his article in a Hindi newspaper. Sumit explains that Bhatt’s warning was based on observation and scientific logic as he surmised that the construction of too many dams and roads without proper measures and checks to take care of sudden rainfall coupled with soil erosion due to rapid forest degradation are bound to play up. “Unfortunately, **enamoured** as we all are with growth these aspects are hardly taken cognisance of,” comments Sumit.

The documentary seamlessly moves back and forth in time to map the birth of the Chipko Movement, the role played by Bhatt and his associates and its effect on the forest policy and government. Using several black and white and sepia-toned pictures, the directors take the audience through the past juxtaposing the sequence with apt comments by those who have watched Bhatt and the movement closely for many years. At the same time, the folk songs and music in the background emphasise how the conservation is deeply embedded in the character of the region and its people. Interestingly, the Chipko Movement came into being when government sanctioned cutting of ash trees for making badminton and tennis courts while forbidding the same for farmers to make yoke. Stung by this gross disparity, Bhatt gave a call to the villagers to gather in the forest and embrace the trees to ensure they are not cut. Walking down those forests, Bhupal Singh Negi recollects how the group inspired by Bhatt camped there for a month to protect the trees while planting new saplings. “If we had not acted then, this jungle would have not been there at all today,”

he observes. The film brings out different facets of Bhatt's character subtly without **eulogising** him. We realise that unlike many activists, he stands out for his Gandhian approach towards problem as he combines struggle and constructive work in the field of environment and sustainable development. Thus he makes a logical case for allowing those dependent on forests to safeguard and protect it. Similarly, the solutions he offers are very much Gandhian — simple and grounded. When confronted with the womenfolk travelling several miles to fetch firewood and fodder, Bhatt suggested them barricading a vacant plot near the village without disturbing it for six months. After the waiting period, the plot yielded fodder, green leaves and firewood making villagers decide to adopt this technique without disturbing the forest land. Deeply impressed by the Sarvodaya movement, Bhatt practises what he preaches. We get to see his farm yielding not just crops, vegetables and fruits but also sustaining bee keeping and fishing thus advocating sustainable development for halting migration.

Sumit reasons that adopting this model will halt rural-urban flow thereby reducing pressure on cities to a very large extent. When asked how valid is the film on Bhatt and his movement considering that much has changed in terms of aspirations and needs of the people, Sumit feels both continue to be relevant. "Considering climate fluctuations, global warming and higher incidence of floods, landslides, droughts and other natural calamities, it is all the more important for the people to assert their right to decide what they want to do and how. It is imperative to decide on moot questions about who the resources are for and who will benefit from it?" The 2013 disaster, he feels, certainly made more city dwellers realise the threats faced by the hill people since many of those affected hailed from metro cities.

Both the directors are **ecstatic** at winning the National Award and hope that the honour will get the film a wider reach and help spread the relevance of Bhatt and his message to a wider spectrum of people

101. In the given passage, who has been described as an 'exemplary activist who not just criticises but shows alternatives'?

- (a) Ramachandra Guha (b) Anupam Mishra
(c) Ruchi Shrivastava (d) Sumit Khanna
(e) Chandi Prasad Bhatt

102. According to the given passage, what would have happened if the villagers had not acted against the policy of the government?

- (a) The ecology of the jungle would have been severely affected.
(b) The jungle would have lost its productivity.
(c) The wild animals would have entered the village.
(d) The jungle would have completely disappeared.
(e) None of these.

103. According to the passage, what does the music in the background point up?

- (a) The love of the people towards nature.
(b) The dedication of the people towards the conservation.
(c) How firmly the conservation is attached to the region and its people.
(d) The importance of conservation for the region and its people.
(e) None of these.

104. According to the given passage, what makes Bhatt different from the other activists?

- (a) His way of dealing with a situation or problem.
(b) His unique approach of motivating the crowd.
(c) His way of showing his protest
(d) His intricate solutions to any problem
(e) His appealing personality.

105. What solution had Bhatt suggested to the womenfolk travelling several miles to fetch firewood and fodder?

- (a) To vacate their fields and barricade them for six months and grow fodder crops there.
(b) To fence the village periphery and do not disturb the same for a period of six months.
(c) To enclose a deserted place and leave it undisturbed for six months.
(d) To barricade a pasture land near the village without disturbing it for six months
(e) None of these

106. According to the given passage, what urged Bhatt to call for a protest?

- (a) Ousting of villagers from the village.
(b) Double standards of the government towards the policies regarding the use of forest.
(c) Large scale deforestation.
(d) Anti-farmer forest laws.
(e) Chipko movement.

Directions (107-108): Choose the word/group of words which is MOST SIMILAR in meaning to the word/group of words printed in bold as used in the passage.

107. **Yeoman**

- (a) Crackerjack (b) Proficient (c) Consummate
(d) Assistant (e) Master

108. **Enamoured**

- (a) Stable (b) Rational (c) Prudent
(d) Sane (e) Avid

Directions (109-110): Choose the word/group of words which is MOST OPPOSITE in meaning of the word/group of words printed in bold as used in the passage.

109. **Ecstatic**

- (a) Elated (b) Despaired (c) Thrilled
(d) Rhapsodic (e) Euphoric

110. **Eulogising**

- (a) Recognizing (b) Criticizing (c) Honoring
(d) Exaltation (e) Uplifting

Directions (111-120): Read the following passage carefully and answer the questions given below it. Certain words/phrases

have been printed in bold to help you locate them while answering some of the questions.

The stakes are very high for all political parties in the election to the State Assembly of Kerala. For the Indian National Congress, Kerala is one of the few States it controls and losing it would hasten its visible downward slide. The Communists cannot afford another electoral defeat either, as it would further marginalise them in national politics. Equally important it is for the Bharatiya Janata Party (BJP), as it fancies gaining a foothold in the State's politics by opening its account in the Assembly. The BJP hopes to redraw the political map of the State by bringing together under its leadership some political factions and thus **forging** a third front.

The ruling coalition, the Congress-led United Democratic Front (UDF), is not in the pink of health. Not only has its governance been lacklustre, but it is also desperately trying to ward off the impact of a series of scams and corruption charges which are far too many to be listed. Two cabinet ministers have been forced to resign following court strictures. The Chief Minister himself is under the scanner. This government has earned the **opprobrium** of being ranked among the corrupt and inefficient governments in the history of the State. One way of refurbishing the image of the Congress was to distance itself from the corrupt and insist on their **relinquishing** the positions they held in the government and the party. Instead, the party has chosen to field them in the elections.

The main malady of the ruling coalition is internal **dissensions**. The Kerala Congress, a major constituent of the government, has split three ways and two of the factions have joined the Left Democratic Front (LDF). This has undermined the almost unassailable position of the UDF in the central Travancore region. The other constituents like the Revolutionary Socialist Party and the Janata Dal have also split into different groups. The only exception is the Muslim League. The UDF has become an uneasy coalition which tries to hold together several disparate groups. Its social base mainly consists of upper-caste Hindus and upper-class Christians and Muslims.

In contrast, the LDF appears to give positive signals, having sorted out its internal differences. It has kick-started the election campaign with a popular march covering the entire State, which was in the nature of a mass contact programme, conducted more effectively and innovatively compared to similar programmes by other political parties. Besides, the Left parties have initiated some innovative programmes during the last five years. Most important of them is the promotion of organic farming which is seen as a constructive activity to counter the ill-effects of pesticides. Second, the Communist Party of India (Marxist) or CPI(M) actively participated and promoted the Kudumbashree project which has played a crucial role in the empowerment of women. It also took steps to help the old and infirm through palliative care centres. Perhaps for the first time the CPI(M) gave to its political work a cultural face. By doing so, it has redefined politics and brought it closer to cultural and

social life. It appears that the Left is taking into consideration the changed realities of the society and reorienting its approach.

In the past, elections in Kerala were a contest between two fronts: the Left Democratic and the United Democratic. In this election there is a third player led by the BJP which in itself is a significant factor, however weak its political base is. To those who are unhappy with both fronts — their number is not small — an alternative is now in sight. The BJP's performance is not to be judged by how many seats it would win, but by the number of votes it would be able to collect, more importantly wrest, from the two fronts. Most likely it may not win any seat or at best it might win one or two. But what is more important is its vote share which, judging from the local body elections, is likely to be substantially more than the last elections.

The Rashtriya Swayamsevak Sangh (RSS) is an organisation which believes in investing in the future and this election is such an investment. To manage that investment, the RSS has taken over overall control of the BJP's campaign. For the first time in the history of the BJP in Kerala a hardcore RSS swayamsevak, Kummanam Rajasekharan, well known for his uncompromising communal position on public issues, has been hand-picked to head the State unit. He is already active in his mission of community polarisation.

The BJP's plan is to **bring about** the consolidation of Hindus, by drawing the Nairs and the Ezhavas, and if possible the Dalits, into its fold. It was thwarted by the Nair Service Society which refused to do business with the communal RSS. But to the leader of Sree Narayana Dharma Paripalana Yogam (SNDP), Vellappally Natesan, the communalism of the RSS was not an issue. He, along with a minor faction of the breakaway Kerala Congress led by P.C. Thomas, joined hands with the BJP to give birth to a third front. If the BJP is able to command respectable support from the electorate, several individual-centred political outfits — not unduly bothered about ideological matters and which feel uncomfortable under the overbearing attitude of the major parties — might hitch on to the new outfit.

So far the BJP has not been a major player in Kerala politics. In the previous elections the BJP's vote share ranged from 5,000 to 10,000 in different constituencies. But the BJP has a much larger social support than this vote share indicates. This is because of the changes that had taken place during the last two decades. Kerala has witnessed a sudden burgeoning of the lower middle class during the last two decades, whose craving for modernity has created a cultural crisis, a solution for which they sought in superstitious practices and irrational rituals. Their logical destination is the BJP, but in the past they voted tactically for the Congress in order to prevent the Left from coming to power. Now that the BJP is bidding for power, they have no reason to continue to support the Congress. A part of the upper-caste supporters of the Congress is likely to change its allegiance as well.

The BJP hopes that the alliance with Mr. Natesan would bring it the support of the Ezhavas. The SNDP, that Natesan heads, is a

social reformist organisation set up by Narayana Guru, a widely respected, far-seeing, humanist sanyasi. Although politics in Kerala is notoriously religion- and caste-oriented — almost all political parties have a strong caste or religious base — the different class formations within castes tended to offset the allegiance to an exclusive caste politics. Therefore Mr. Natesan, although he represents the community, will not be able to command the support of the whole community. Moreover, it is difficult to reconcile the interest of Mr. Natesan's Other Backward Class politics with the Savarna politics of the BJP. Mr. Natesan's overtures to the RSS have already created **fissures** within the SNDP — it has become a divided house, at least in the matter of political allegiance. It is doubtful that the combined strength of BJP, Mr. Natesan and Mr. Chako is strong enough to make a major dent in the highly polarised politics of Kerala.

Yet, the performance of the third front has the potential to upset the pollsters' calculations. It would undoubtedly eat into the vote banks of both the UDF and LDF. The present scenario suggests that the UDF would be the greater loser. But it is early days and the strategies and counter-strategies are yet to unravel. Nevertheless, the fate of the third front would be keenly watched.

111. According to the given passage, why have the voters from lower middle class voted for Congress in the past?
- To resolve the cultural crises.
 - To maintain its allegiance.
 - To ward off the communalism of RSS.
 - To prevent the Left from coming to power.
 - To ensure burgeoning of wealth.
112. What according to the author would be the yard stick to measure BJP's success in Kerala assembly poles?
- The number of seats it will win in the poles.
 - The number of votes it would be able to add into its vote share.
 - The number of votes it would be able to collect in local body elections.
 - The number of non- Hindu votes it would get.
 - All of these.
113. According to the given passage, which of the following reason(s) is/are for the stronger position of Left in Kerala?
- Sorting out of internal differences.
 - Giving a a cultural face to its political work.
 - Innovative and effective mass contact programme
- Only (i)
 - Only (ii)
 - Only (iii)
 - Both (i) and (ii)
 - All (i), (ii) and (iii)
114. According to the passage, what has been the result of change in the Left's approach?
- Left is now reorienting its approach.
 - It has enabled Left to win voters all over to its side.
 - It has brought Left closer to the social and cultural life.
 - The Left is now considering the changed realities of the societies.
 - None of these

115. According to the given passage, what in the main reason for weakening the Congress' position in Kerala?
- Charges of scams and corruption.
 - Dubious image of the head of the cabinet
 - Bland governance.
 - Internal strifes.
 - All of these
116. What does the phrase 'bring about' mean?
- Make something happen
 - To take something out
 - To create something new
 - To make something new
 - None of these

Directions (117-118): Choose the word/group of words which is MOST SIMILAR in meaning to the word/group of words printed in bold as used in the passage.

117. **Opprobrium**

- Credit
- Harsh
- Contempt
- Censure
- Vilification

118. **Relinquishing**

- Hold
- Renounce
- Carry
- Regress
- Revert

Directions (119-120): Choose the word/group of words which is MOST OPPOSITE in meaning of the word/group of words printed in bold as used in the passage.

119. **Dissensions**

- Discord
- Disagreement
- Reconciliation
- Bicker
- Intentions

120. **Forging**

- Cast
- Ruin
- Pirate
- Imitate
- Scratch

Directions (121-125): In the following questions, a sentence has been given with some of its parts in bold. To make the sentence grammatically correct, you have to replace the bold part with the correct alternative given below. If the sentence is correct as it is, give 5) as your answer (i.e. No correction required).

121. While the Modi government moves him to the centre stage of national conversation, an effort is **simultaneously underway to bringing about** a confluence of Left and Ambedkarite politics.
- simultaneous underway to bring down
 - simultaneously underway to bringing about
 - simultaneously underway for bring about
 - simultaneously underway to bring about
 - No replacement required
122. Three young entrepreneurs **have been launching** Ordook, a subscription-based service that helps you whip up a gourmet feast in the comfort of your own kitchen.
- has launched
 - have launched
 - have been launched
 - has been launched
 - No replacement required
123. **April will have an important month for** India's Dalit-Bahujans as it marks the anniversaries of two iconic figures -- Jyotiba Phule and Dr. B.R. Ambedkar

- (a) April was the important month for
 (b) April has an important month for
 (c) April is an important month for
 (d) April has to be the important month for
 (e) No replacement required
124. Pop superstar Prince, **which has been widely acclaimed as one of the most inventive musicians** of his era, was found dead at his home on Thursday in suburban Minneapolis.
 (a) who was widely acclaimed as one of the most inventive musicians
 (b) who is widely acclaimed as one of the most inventive musician
 (c) that was widely acclaimed as one of the most inventive musicians
 (d) which was widely acclaimed as one of the most inventive musician
 (e) No replacement required
125. The Enforcement Directorate has written to the Ministry of External Affairs **for initiate deportation proceeding** against businessman Vijay Mallya.
 (a) to initiating deportation proceedings
 (b) to initiate deport proceedings
 (c) to initiate deportation proceedings
 (d) for initiate deportation proceeding
 (e) No replacement required

Direction (126-130): The following six sentences have to be arranged in the proper sequence, so as to form a meaningful paragraph. On the basis of your sequencing, answer the questions given below.

- A. In 1932, the Soviet Union sent one of its best agents to China, a former schoolteacher and counter-espionage expert from Germany named Otto Braun.
 B. But in the domain of culinary history, one anecdote from Braun's autobiography stands out.
 C. His mission was to serve as a military adviser to the Chinese Communists, who were engaged in a desperate battle for survival against Chiang Kai-shek's Nationalists.
 D. Braun recalls his first impressions of Mao Zedong, the man who would go on to become China's paramount leader.
 E. The full story of Braun's misadventures in China's Communist revolution is packed with enough twists and turns for a Hollywood thriller.
 F. The shrewd peasant organizer had a mean, even "spiteful" streak. "For example, for a long time I could not accustom myself to the strongly spiced food, such as hot fried peppers, which is traditional to southern China, especially in Hunan, Mao's birthplace."

126. Which of the following should be the FOURTH sentence after rearrangement?
 (a) A (b) F (c) B (d) C (e) D
127. Which of the following should be the SECOND sentence after rearrangement?
 (a) B (b) A (c) E (d) D (e) C

128. Which of the following should be the LAST (SIXTH) sentence after rearrangement?
 (a) D (b) F (c) B (d) C (e) A
129. Which of the following should be the FIRST sentence after rearrangement?
 (a) A (b) E (c) F (d) B (e) C
130. Which of the following should be the FIFTH sentence after rearrangement?
 (a) A (b) C (c) B (d) D (e) E

Directions (131-140): In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningful.

Google introduced the **__(131)__** version of its media-streaming device Chromecast, over a year after the device was first **__(132)__** in India. The tech giant also launched the new Chromecast Audio that was first **__(133)__** last year. Both the devices have been priced **__(134)__** Rs 3,399. Chromecast, which is available in 31 countries and has **__(135)__** 20 million users globally, enable users to stream any content, including games and video from their mobile phone to television. Using Wi-Fi network. Likewise, Chromecast Audio allows users to stream audio from **__(136)__** smartphone, including music applications, on to any speaker. The company did not **__(137)__** number of Chromecast users in India. **__(138)__** the devices will be **__(139)__** through marketplaces like Flipkart, Snapdeal and Paytm as well as retailers like Reliance and Croma and will come bundles with six months **__(140)__** free subscription for Hooq and Saavn.

131. (a) Latest (b) Last (c) Former
 (d) Foremost (e) Later
132. (a) Established (b) Instigated (c) Founded
 (d) Introduced (e) Initiated
133. (a) Unveiled (b) Broadcasted (c) Published
 (d) Displayed (e) Introduced
134. (a) on (b) in (c) of
 (d) at (e) with
135. (a) around (b) between (c) about
 (d) on (e) at
136. (a) there (b) his (c) their
 (d) its (e) whose
137. (a) disclose (b) release (c) show
 (d) exhibit (e) unclose
138. (a) Either (b) Any (c) All
 (d) Both (e) Neither
139. (a) Accessible (b) Present (c) Convenient
 (d) Available (e) Free
140. (a) with (b) of (c) in
 (d) by (e) for

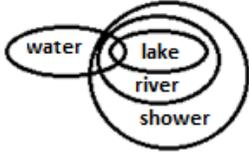


Adda
247 forum.com

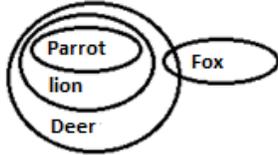
Solutions

Directions (1-5):

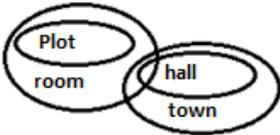
1. (d):



2. (c):



3. (b):



4. (e):



5. (a):



Directions (6 – 10):

Ranks	Profession	Banks
3	Electrician	Bob
5	IT Officer	Allahabad
1	Probitionary Officer	Syndicate
4	Sales manager	Pnb
6	Clerk	Vijya
7	Research Analyst	Canara
2	Marketing Officer	Sbi

6. (b)

7. (c)

8. (a)

9. (d)

10. (e) None of these

Directions (11-15):

© → >

% → =

\$ → ≥

π → ≤

→ <

11. (b)

12. (b)

13. (e)

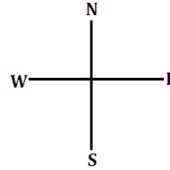
14. (d)

15. (a)

Directions (16-20):

Row 1 : Parul Vikrant Sweta Tina Ritu Quraisi

Row 2: Chancal Fatima Anuj Emraan Bulbul Divyaraj



16. (d)

17. (a)

18. (b)

19. (b)

20. (c)

Directions (21-25):

Floor	Candidate	City
9	X	Georgetown
8	W	Greenville
7	S	Franklin
6	Q	Madison
5	V	Marion
4	P	Clinton
3	U	Washington
2	T	Chester
1	R	Springfield

21. (a)

22. (b)

23. (e)

24. (e)

25. (c)

Directions (26-30):

26. (e) H is in front of F.

27. (b) Only 2nd statement is sufficient to find the colour of black hair.

28. (d) Krishna's father's marriage anniversary may be on 8th or 9th may.

29. (e) From both the statements we can find that E is the lightest.

30. (e) From both the statements we can find that L is brother in law of Z.

Directions (31-35)

are → kee

Injurious → tee

Wisky → mee

enthusiastic → pee

people → nee

Addicted → loo

being → jee

positive/unpleasant → dee/see

31. (b)

32. (b)

33. (d)

34. (b)

35. (e)

Directions (36-40):

36. (e)



Pairs: {RU, LN, LR, NR}

37. (a) Code for health → λ

38. (a)

N → 2

O → 3

D → 9

E → 4

39. (b) G

40. (c)



41. b

42. c

43. c

44. c

45. d

46. b

47. d

48. d

49. a

50. a

51. (1)

52. (1)

53. (2)

54. (2) 49-35+21=35

55. (2)

56. (4)

57. (5)

58. (2); $\frac{?}{441} = \frac{16}{?}$

$$?^2 = 7056$$

$$? = 84$$

59. (5); $\sqrt{1369} \times \sqrt{72.25} = 314.5$

60. (3)

61. (4)

62. (3)

63. (1)

64. (2)

65. (3)

66. (4); 10545+3652+12224+354+10128=36903

67. (2); (125+85): (257+263)=21:52

68. (5); Average of Murder = $\frac{2117}{8} = 264.6$

Average of Theft = $\frac{14220}{8} = 1777.5$

Req. Average = $\frac{264.6+1777.5}{2} = 1021$ (approx.)

69. (2); Req.% = $\frac{496+132}{1577} \times 100 = 39.82\%$

70. (3); Bihar=1577, Rajasthan=1432

Difference=145

71. (1); The series is $-2^2, -4^2, -6^2, -8^2, -10^2, -12^2$

72. (5); The series is +8, +16, +32, +64, +128

73. (4); The series is +5, +10, +15, +20, +25

74. (2); The series is $\times 2+2, \times 3+3, \times 4+4, \times 5+5, \times 6+6, \dots$

75. (3); The series is $1^2 + 11^2, 2^2 + 12^2, 3^2 + 13^2, 4^2 + 14^2, 5^2 + 15^2$

76. (2) ∴ Area of square, $x^2 = 407044$

$x = 638$ cm

∴ Circumference of circle = $2\pi R$

$2\pi R = 638$

$R = 101.5$

Area of circle = πR^2

$= \frac{22}{7} \times (101.5)^2 = 32378.5$

77. (1); Let the number is x

∴ 60% of $\frac{2}{7}$ of $\frac{3}{4}$ of $x = 1836$

$$\frac{60}{100} \times \frac{2}{7} \times \frac{3}{4} \times x = 1836$$

$$x = 14280$$

78. (4); Let the present age of A and B be x and y years.

Respectively

$$\text{Then } \frac{x}{y} = \frac{5}{3} \Rightarrow 3x - 5y = 0 \dots\dots\dots(i)$$

After 16 years

$$x + 16 + y + 16 = 96$$

$$x + y = 64 \dots\dots\dots(ii)$$

Solve (i) and (ii)

$$x = 40, y = 24$$

$$\text{Ratio after 16 years} = \frac{40+16}{24+16} = \frac{56}{40} = 7:5$$

79. (4) Amount= Rs 19176.25

Principal= Rs 14500

so, according to formula

$$19176.25 = 14500 \left(1 + \frac{R}{100}\right)^2$$

$$\Rightarrow \frac{19176.25}{14500} = \left(1 + \frac{R}{100}\right)^2$$

$$\Rightarrow 1.3255 = \left(1 + \frac{R}{100}\right)^2$$

$$\Rightarrow 1.15 = \left(1 + \frac{R}{100}\right)$$

$$\Rightarrow 0.15 = \frac{R}{100}$$

$$\therefore R = 15\%$$

80. (4) Let the present age of Ranjana and Rakhi be $15x$ and

$17x$

$$\frac{15x + 6}{17x + 6} = \frac{9}{10}$$

$$X = 2$$

∴ Age of Ranjana after 6 years
 = $15 \times 2 + 6 = 36$ years.

81. (2) S.I. = 7200

$$R = \frac{S.I. \times 100}{P \times T} = \frac{7200 \times 100}{20,000 \times 3} = 12\%$$

$$C.I = 20000 \left[\left(1 + \frac{12}{100} \right)^3 - 1 \right]$$

$$= 8098.56$$

82. (2) Let the investment of Ninad = x

∴ investment of Vikas = 2x

∴ investment of Manav = 3x

∴ Ratio of them investment

$$= x \times 12 : 2x \times 6 : 3x \times 4$$

$$= 12x : 12x : 12x = 1 : 1 : 1$$

$$\therefore \text{Manav's share} = \frac{1}{3} \times 45000$$

$$= 15,000$$

83. (3) time = $180 / (20 - 10) = 18$ sec

84. (3) distance travel by A in till 9:00 am = 60 km

$$\text{Time} = (330 - 60) / (60 + 75) = 2 \text{ hr}$$

$$\text{Time} = 9:00 \text{ am} + 2 \text{ hr} = 11:00 \text{ am}$$

85. (3) ratio of speed = 3:4

$$\text{Ratio of time} = 4:3$$

$$\text{Difference in time} = 4 - 3 = 1 = 30 \text{ min}$$

$$4 = 30 \times 4 = 120 \text{ min} = 2 \text{ hr}$$

86. (5) Req. Ratio = $4 \times 180 : 8 \times 120 : 3 \times 160 = 3:4:2$

87. (2) let the total distance = 2D

$$\frac{D}{75} + \frac{D}{45} = 24$$

$$D = 675$$

$$\text{Total distance} = 2D = 1350 \text{ km}$$

88. (1) 3A = 4B = 7C

$$A : B : C = 1/3 : 1/4 : 1/7 = 28 : 21 : 12$$

$$C's \text{ share} = \frac{12}{28 + 21 + 12} \times 2135 = 420$$

89. (4) let CP of 200 mangoes = 200

SP of 160 mangoes = 200

CP of 160 mangoes = 160

$$\text{Profit \%} = \frac{200 - 160}{160} \times 100 = 25\%$$

90. (1) $2! \times 4! = 48$

91. (2) Average oil import from Iraq = $\frac{57}{5} = 17.4$

$$\text{Average oil import from Venezuela} = \frac{42}{5} = 8.4$$

$$\therefore \text{Ratio} = \frac{17.4}{8.4} = 29 : 14$$

92. (3) 2009-10 oil import from Nigeria is max with respect to its previous years.

93. (3) Reqd. = $\frac{21.2}{20.5 + 21.8 + 21.2 + 18.5 + 17.5} \times 100$

$$= \frac{21.2}{99.5} \times 100 = 21.38 \approx 21\%$$

$$94. (4) \frac{0.9}{13.4} \times 100 + \frac{3}{14.8} \times 100 + \frac{0.3}{11.8} \times 100 + \frac{6.3}{11.5} \times 100$$

$$= 6.4 + 20.27 + 2.54 + 54.78$$

$$\text{Average} = \frac{6.4 + 20.27 + 2.54 + 54.78}{4} = 21\%$$

95. (4) Average in 2011-12 = 19.38 million tonnes
 Average in 2009-10 = 15.95 million tonnes.

96. (5) I. x = 5, - 3

$$\text{II. } y = -3, - 2$$

No Relation

97. (5) I. x = 4, - 3 II. y = 2, 1

98. (2) I. x = 13 II. y = ± 13

99. (3) I. x = ± 12 II. y = 16

100. (5) I. x = ± 5 II. y = 5, 4

101. (e); It is specifically mentioned in the first paragraph of the passage that 'all these encomiums are directed towards Chandi Prasad Bhatt'. Hence, (e) is the correct option

102. (d); In the third paragraph of the given passage, it is given that 'if we had not acted then, this jungle would have not been there at all today' from this we can conclude that the forest would have been completely disappeared if the villagers had not acted against the government policy. Hence (d) is the correct option.

103. (c); In the third paragraph of the passage, it is given in the third paragraph that 'music in the background emphasise how the conservation is deeply embedded in the character of the region and its people'. From which we can conclude that the music shows how firmly the conversation is attached to the region and its people. No other option can be inferred from the passage. Hence (c) is the correct option.

104. (a); It is given in the passage that '....unlike many activists, he stands out for his Gandhian approach towards problem as he combines' from this we may conclude that it is his unique way of dealing with a solutions that differentiates him from other activists. Hence, we may conclude that (a) is the correct option. A candidate may get confuse between option (d) and (a) but 'intricate' means 'very complicated or detailed' whereas according to the passage, the solutions of Bhatt are 'simple and grounded'. Hence, (a) is the correct option.

105. (c); It is given in the passage that 'Bhatt suggested them barricading a vacant plot near the village without disturbing it for six months.' Now, according to option (a), he suggested womenfolk to grow fodder crops, which is not correct. Therefore, (a) is not correct. Option (b) and (d) are also not true since, the author had suggested them to barricade a vacant plot and not the periphery or periphery of the village, therefore (b) and (d) are also not correct. Hence, (c) is the correct option.

106. (b); It is given in the passage that 'Stung by this gross disparity, Bhatt gave a call to the villagers to gather in the forest and embrace the trees to ensure they are not cut.'

- from this we may conclude that it was the Double standards of the government towards the policies regarding the use of forest that urged Bhatt to call for a protest. Hence, (b) is the correct option.
107. (d); Yeoman means 'a servant in a royal or noble household'. Hence, 'assistant' is the word which is most similar in meaning to it.
108. (e); 'Enamoured' means 'have an avid liking or admiration for something'. Hence, 'avid' is the word which is most similar in meaning to it.
109. (b); 'Ecstatic' means 'feeling or expressing overwhelming happiness or joyful excitement'. Hence, 'Despaired' is the word which is most opposite in meaning to it.
110. (b); 'Eulogising' means 'praise highly in speech or writing'. Hence, 'Criticizing' is the word which is most opposite in meaning to it.
111. (e); It is given in the third last paragraph that '.....in the past they voted tactically for the Congress in order to prevent the Left from coming to power.....' which indicates that the main reason for the middle class voters to vote for the Congress was to stop the Left from coming to power. Hence, (d) is the correct option. From this, we can infer that options (b), (c) and (a) are not correct. Note that 'burgeoning' of middle class is the reason for the 'cultural crisis' described in the passage and not the reason for the voters to vote for the Congress. Hence, (e) is not the correct options.
112. (b); It is given in the fifth paragraph that 'The BJP's performance is not to be judged by how many seats it would win, but by the number of votes it would be able to collect, more importantly wrest, from the two fronts.'. After a careful reading we can infer that the most important factor that would decide the performance of the BJP would be the number of votes it would extract out of the vote bank of the other two fronts and would ultimately add to its own vote share. It is also given in the same sentence that BJP's performance would not be judged by the number of seats wins. Hence (a) is also not the correct option. Option (c) is used in different context. Hence it is not the correct option. Option (d) is not given in the passage. Hence, (b) is the correct option.
113. (e); In the fourth paragraph, it is given that 'the LDF appears to give positive signals, having sorted out its internal differences'... from which we can infer that (i) is the reason for the stronger position of Left in Kerala. The same paragraph describes the social work done by the Left as and concludes that it has brought it closer to the cultural and social life. Hence, giving it a stronger position. Therefore, (ii) is also correct.
- The statement 'the election campaign with a popular march covering the entire State, which was in the nature of a mass contact programme, conducted more effectively and innovatively compared to similar programmes by other political parties' given in fourth paragraph suggests that (iii) is also true. Hence, (e) is the correct option.
114. (a); It is clearly given the fourth paragraph that 'Perhaps for the first time the CPI(M) gave to its political work a cultural face. By doing so, it has redefined politics and brought it closer to cultural and social life.'. Hence, we can conclude that (a) is the correct answer.
115. (d); Even though all the options are the reason for weakening the Congress' position in Kerala but it is given in the third paragraph that 'The main malady of the ruling coalition is internal dissensions'. Hence, (d) is the correct option.
116. (a); 'bring about' means 'to make something happen'. Hence, (a) is the correct option.
117. (d); 'Opprobrium' means 'harsh criticism'. Hence, 'censure' is the word which is most similar in meaning to it.
118. (b); Relinquishing means 'to give up'. Hence, 'renounce' is the word which is most similar in meaning to it.
119. (c); 'Dissensions' means 'disagreement that leads to discord'. Hence, 'Reconciliation' is the word which is most opposite in meaning to it.
120. (b); 'Forging' means 'to create (something) strong, enduring, or successful'. Hence, 'ruin' is the word which is most opposite in meaning to it.
121. (d); Replace 'simultaneously underway to bringing about' with 'simultaneously underway to bring about'
122. (b); Replace 'have been launching' with 'have launched'
123. (c); Replace 'April will have an important month for' with 'April is an important month for'.
124. (a); Replace 'which has been widely acclaimed as one of the most inventive musicians' with 'who was widely acclaimed as one of the most inventive musicians'
125. (c); Replace 'for initiate deportation proceeding' with 'to initiate deportation proceedings'
- For question (126-130);** The correct sequence to form meaningful paragraph is **ACEBDF**.
126. (c); B
127. (e); C
128. (b); F
129. (a); A
130. (d); D
131. (a)
132. (d)
133. (a)
134. (d)
135. (d)
136. (c)
137. (a)
138. (d)
139. (d)
140. (b)

BANKING (IBPS/SBI) PO : PRACTICE SET

REASONING

Direction (1-5): Do as directed in each of the following questions.

1. The committee on sexual discrimination in the workplace has highlighted Mastero Company as a chief offender. Of the twenty senior executives in the firm, only one is a woman. And of the forty junior executives, only five are female.

Maestro could best **defend** itself against the charges by showing that

- (a) male and female executives at the same level have the same qualifications
 (b) they pay the same salary to senior men and senior women
 (c) ten times more men than women apply for jobs with the company
 (d) the work pressures and long hours make jobs with the company unattractive to married women
 (e) all job applicants who were rejected had fewer qualifications than those accepted

2. Twenty percent of all energy consumed in the country is consumed by home appliances. If appliances that are twice as energy-efficient as those currently available are produced, this figure will eventually be reduced to about ten percent.

The argument above requires which of the following **assumptions**?

- (a) Home-appliance usage would not increase along with the energy efficiency of the appliances.
 (b) It would not be expensive to produce home appliances that are energy-efficient.
 (c) Home-appliance manufacturers now have the technology to produce appliances that are twice as energy-efficient as those currently available.
 (d) The cost of energy to the consumer would rise with increases in the energy efficiency of home appliances.
 (e) None of these

3. In a recent report, the gross enrolment ratios at the primary level that is, the number of children enrolled in classes one to five as a proportion of all children aged 6 to 10, were shown to be very high for most states; in many cases they were above 100 percent! These figures are not worth anything, since they are based on the official enrolment data compiled from school records. They might as well stand for 'gross exaggeration ratios'.

Which one of the following options **best supports** the claim that the ratios are exaggerated?

- (a) The definition of gross enrolment ratio does not exclude, in its numerator, children below 6 years or above

10 years enrolled in classes one to five.

(b) A school attendance study found that many children enrolled in the school records were not meeting a minimum attendance requirement of 80 percent.

(c) A study estimated that close to 22 percent of children enrolled in the class were below 6 years of age and still to start going to school.

(d) Demographic surveys show shifts in the population profile which indicates that the number of children in the age group 6 to 10 years is declining.

(e) None of these

4. Kapil has twelve years of typing experience behind him; therefore, if you are looking for an efficient typist to enter your data into the new system, you need look no further.

The speaker **assumes** that:

- (a) Twelve years of practice ensures typing efficiency
 (b) The type of typing required for the new system is identical to what Kapil has been doing
 (c) Kapil's job profile is the best that the new employer is going to get
 (d) Kapil is an outstandingly fast and accurate typist
 (e) Kapil will fit well into the new office

5. Most of the private companies have decided against awarding annual increase in the salaries of their employees for the previous year due to current economic situations.

Which of the following **assumptions** is/are implicit in the statement?

- (I) Majority of the employees may leave their job to protest against the decision.
 (II) These companies may announce hike in salaries next year.

- (a) Only I (b) Only II (c) Both I and II
 (d) Either I or II (e) Neither I nor II

Direction (6-10): Read the following information and answer the questions that follow:

There are six fathers - Aniket, Neeraj, Saurabh, Prashant, Gopal and Shivam. All are making plan to have fun with their children - Rahul, Rohit, Kanhaiya, Nitesh, Manish and Aakash, but not necessarily in the same order. But all of them have some urgent piece of work in clinic, shop, parlour, garden and two of them have to visit shopping mall. All fathers & their children like different ice-creams viz Vanilla, Chocobar, Kashta, Black Current in pair. But Vanilla and Chocobar are preferred by two pairs.

Further information are as follows:

- I. Aniket and Prashant visit shopping mall but do not like either Vanilla or Black Current ice-cream.
 II. Gopal can't go out either with Rahul or with Rohit and he doesn't go to a parlour either to eat Kashta or Chocobar.

- III. Nitesh and Kanhaiya want to go to clinic and parlour respectively.
 IV. Saurabh goes out with Aakash to shop but doesn't like either Chocobar or Black Current ice-cream.
 V. Neeraj goes to clinic and likes Vanila. The one who goes to Parlour likes Chocobar.
 VI. Prashant can't go out with Manish. Both of them do not like Kashta.

6. Who among the following visits clinic?
 a) Gopal b) Neeraj c) Shivam
 d) can't be determined e) None of these
7. Which flavour does Kanhaiya like?
 a) Chocobar b) Kashta c) Vanila
 d) Black Current e) None of these
8. Who goes to garden?
 a) Kanhaiya b) Manish c) Rahul
 d) Nitesh e) Can't be determined
9. Who goes with Aniket?
 a) Manish b) Nitesh c) Kanhaiya
 d) Aakash e) Either Rahul or Rohit
10. Which flavour does Saurabh like?
 a) Kasta b) Black Current c) Chocobar
 d) Can't be determined e) None of these

Direction (11-15) : Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer

- a) if the data in statement I alone are sufficient to answer the question, while the data in statements II alone are not sufficient to answer the question.
 b) if the data in statement II alone are sufficient to answer the question, while the data in statements I alone are not sufficient to answer the question.
 c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.
 d) if the data given in both statements I and II together are not sufficient to answer the question.
 e) if the data in both statements I and II together are necessary to answer the question.
11. Office X is in which direction with respect to Office Y?
 I. X is to the east of Z, which is to the north of Y.
 II. W is to the east of Y and to the south of X.
12. How is L related to N?
 I. K is daughter of L, and N is daughter of M.
 II. K is mother of N, who is sister of O.
13. Who among P, Q, R, S and T stood first in a class test?
 I. Q is in the middle from either side and S is at the bottom.
 II. P, Q and T are immediate neighbours if they are made to sit according to their ranks.
14. What is the code for 'running' in a certain code language?
 I. In that code language 'ram running too fast' is written as 'po he chh to'.

II. In that code language 'he is running very fast' is written as 'ha ni he ma po'.

15. Among Sanjeev, Rajeev, Gautam, Ranjit, Amit and Mithilesh, who is on the immediate left of Gautam?
 I. Gautam is sitting between Sanjeev and Amit, who is on the extreme right.
 II. Gautam is third to the right of Mithilesh and second to the left of Ranjit.

Direction (16-20): In the following questions, the symbols @, \$, *, # and δ used with the following meaning as illustrated below:

'A \$ B' means 'A is not smaller than B'
 'A @ B' means 'A is neither smaller than nor equal to B'
 'A # B' means 'A is neither greater than nor equal to B'
 'A δ B' means 'A is neither greater than nor smaller than B'
 'A * B' means 'A is not greater than B'

Now, in each of the following questions assuming the given statements to be true, find which of the four conclusions I, II, III and IV given below them is/are definitely true and give your answer accordingly.

16. **Statements:** P δ C, C \$ W, W # H, H * M
Conclusions: I. M @ W II. H @ P III. W δ P IV. W # P
 (a) Only I is true (b) Only III is true
 (c) Only IV is true (d) Only either III or IV is true
 (e) Only either III or IV and I are true
17. **Statements:** R * D, D \$ J, J # M, M @ K
Conclusions: I. K # J II. D @ M III. R # M IV. D @ K
 (a) None is true (b) Only I is true (c) Only II is true
 (d) only III is true (e) Only IV is true
18. **Statements:** H @ T, T # F, F δ E, E * V
Conclusions: I. V \$ F II. E @ T III. H @ V IV. T # V
 (a) Only I, II and III are true (b) Only I, II and IV are true
 (c) Only II, III and IV are true (d) Only I, III and IV are true
 (e) All I, II, III and IV are true
19. **Statements:** D # R, R * K, K @ F, F \$ J
Conclusions: I. J # R II. J # K III. R # F IV. K @ D
 (a) Only II and III are true (b) Only III and IV are true
 (c) Only I, III and IV are true
 (d) All I, II, III and IV are true
 (e) Only II and IV are true.
20. **Statements:** M \$ K, K @ P, P * R, R # W
Conclusions: I. W @ K II. M \$ R III. K @ W IV. M @ P
 (a) Only I and II are true (b) Only I is true
 (c) Only III and IV are true (d) Only III is true
 (e) Only IV is true
- Direction (21-25):** In this question two statements followed by two conclusions numbered I and II have been given. You have to take the given statements to be true even if they seem to be at variance with common known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.
21. **Statements:** Some heads are tails. Some coins are head
Conclusions: I. At least some tails are heads.

II. Some tails being coins is a possibility.

- (a) Either conclusion I or II follows.
- (b) Neither conclusion I nor II follows.
- (c) Both conclusions I and II follow.
- (d) Only conclusion I follows.
- (e) Only conclusion II follows.

22. **Statements:** All reviews are observations.

All comments are reviews.

Conclusions: I. All observations are comments.

II. No observation is a comment.

- (a) Only conclusion II follow.
- (b) Both conclusion I and II follows.
- (c) Neither conclusion I nor II follows.
- (d) Only conclusion I follows.
- (e) Either conclusion I or II follows.

23. **Statements:** No mountain is a cliff.

Some cliffs are rocks.

Conclusions: I. No mountain is a rock.

II. All rocks can never be mountains.

- (a) Only conclusion I follows.
- (b) Neither conclusion I nor II follows.
- (c) Both conclusions I and II follow.
- (d) Either conclusion I or II follows.
- (e) only conclusion II follows.

24. **Statements:** All amounts are principles.

Some principles are balances.

Conclusions: I. All balances being amounts is a possibility.

II. Some balances are definitely not principles

- (a) Neither conclusion I nor II follows.
- (b) Either conclusion I or II follows.
- (c) Only conclusion II follows.
- (d) Only conclusion I follows.
- (e) Both conclusion I and II follow.

25. **Statements:** All posts are mails. No mail is a letter.

Conclusions: I. No post is a letter.

II. At least some posts are letters.

- (a) Both conclusions I and II follow.
- (b) Only conclusion II follows.
- (c) Either conclusion I or II follows.
- (d) Only conclusion I follows.
- (e) Neither conclusion I nor II follows.

Direction (26-30): Study the following information carefully and answer the given questions:

Aniket, Chandan, Eshan, Inder, Udit, Neeraj, Prashant and Saurabh are eight persons working in an MNC. They are sitting around a circular table in a meeting but not necessarily in the same order. All of them hold a different post, viz President, MD, GM, CA, HR, Vice President, Chairman and Vice Chairman, but not necessarily in the same order. Chandan sits third to the right of the Vice President. Only two persons sit between Vice President and Saurabh. The GM and the MD are immediate neighbours. Neither Chandan nor Saurabh is a GM or an MD. The GM is not an immediate neighbour of the Vice President.

The CA sits third to the right of Udit, who is not the GM. Neeraj sits on the immediate right of the Chairman. The Vice Chairman sits second to the left of Aniket, who is not an immediate neighbour of Saurabh. The Vice Chairman is an immediate neighbour of both the HR and the CA. Chandan is not the Chairman. Inder is not an immediate neighbour of Chandan. Eshan is not an immediate neighbour of the Vice Chairman.

26. Who among the following is the Chairman of the company?

- a) Eshan
- b) Aniket
- c) Inder
- d) Prashant
- e) None of these

27. Udit holds which of the following posts in the company?

- a) Chairman
- b) HR
- c) MD
- d) Vice Chairman
- e) None of these

28. How many persons sit between the Chairman and the President?

- a) None
- b) One
- c) Two
- d) Three
- e) None of these

29. Which of the following pairs is an immediate neighbour of Inder?

- a) Vice Chairman, CA
- b) Chairman, Vice President
- c) Chairman, HR
- d) Vice Chairman, Chairman
- e) Can't be determined

30. Which of the following statements is true?

- a) Aniket is the Chairman and sits on the immediate right of Neeraj.
- b) The President and the HR are immediate neighbours of Prashant.
- c) Neeraj is the Vice President and sits second to the left of Eshan.
- d) None is true
- e) All are true

Direction (31-35): Study the following information carefully and answer the given questions:

In a certain code language,

'she whom know Nancy' is written as 'ma co he mx,

'Nancy is a better worker' is written as 'mx mh la sa ox',

'Rohan know Nancy' is written as 'mx he kl' and

'whom is worker of Rohan' is written as 'kl mh co ze ox'. (All codes are two-letter codes only.)

31. What does the code 'la' stand for in the given code language?

- a) Nancy
- b) is
- c) a
- d) better
- e) Either (c) or (d)

32. What is the code for 'worker'?

- (a) kl
- (b) ox
- (c) mh
- (d) ze
- (e) Either (b) or (c)

33. In the given code language, which of the following means 'a better worker'?

- (a) la sa mh
- (b) sa la ox
- (c) ox sa mh
- (d) Either (a) or (b)
- (e) mx mh la

34. What does the code 'co' stand for?

- (a) whom
- (b) know
- (c) she
- (d) Nancy
- (e) Either (a) or (c)

35. What is the code for 'she' in the given code language?
 (a) ma (b) he (c) co
 (d) mx (e) mh

Direction (36-40): Study the following information carefully and answer the given questions:

Seven persons Nandita, Anisha, Alisha, Kaya, Sweety, Preeti and Payal conduct workshop on Developing Managerial skills in seven different companies A, B, C, D, E, F and G on a different day of the week from Monday to Sunday. The order of persons, companies and days of the week are not necessarily the same. Anisha organizes workshop in Company D on Wednesday. Kaya does not conduct workshop for companies A or C and conducts on the next day of Sweety who conducts the workshop for Company F. Preeti conducts workshop for Company E on Friday. Payal conducts workshop on Monday but not for Company C or G. Alisha conducts workshop for Company A but not on Tuesday.

36. Who conducts workshop on Saturday?
 (a) Alisha (b) Kaya (c) Sweety
 (d) Kaya or Sweety (e) None of These
37. On which day does Kaya conduct the workshop?
 (a) Sunday (b) Saturday (c) Tuesday
 (d) Cannot be determined (e) None of These
38. Alisha conducts workshop on which day?
 (a) Saturday (b) Sunday (c) Tuesday
 (d) Thursday (e) None of These
39. Which of the following combinations of person-company and day is correct?
 (a) Payal-B-Wednesday (b) Nandita-B-Monday
 (c) Payal-C-Monday
 (d) Payal-G-Sunday (e) None of These
40. Who conducts workshop for Company C and on which day?
 (a) Nandita, Thursday (b) Nandita, Tuesday
 (c) Kaya, Saturday
 (d) Kaya, Sunday (e) None of These

Direction (41-45): In each question given below a statement is followed by three courses of action numbered I, II and III. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy etc on the basis of the information given in the statement. You have to assume everything in the statement to be true, then decide which of the three given/suggested courses of action logically follows for pursuing and decide the answer.

41. Statement: Discount offers provided by organised retail chains are increasingly eating into the small retailers' pie, thus creating a problem for manufacturers in spite of the hype around the retail boom.

Courses of action: I. An effort should be made to dissuade customers from purchasing the products on discounts.

II. All such manufacturers should stop supplying products to organised retail chain.

III. Efforts should be made by the manufacturers for commercial dialogues with the retail chain.

- a) Only I and II (b) Only II and III (c) Only I and III
 d) All I, II and III (e) None of these

42. Statement: According to a report, 35-40 per cent of water supplied in city XYZ is lost due to transmission and distribution losses, pilferage and lack of accountability.

Courses of action: I. Efforts should be made to reduce such losses through proper check and balance system.

II. Efforts should be made to procure sophisticated equipment for better leak detection and also a comprehensive programme be launched to repair and replace old and worn-out pipe lines.

III. Disciplinary action should be taken against all those persons who are found guilty in pilferaging of water.

- a) Only I and II (b) Only II (c) Only I and III
 d) All I, II and III (e) None of these

43. Statement: Sugar mills have said that they will not be able to pay the minimum price fixed by the government for sugarcane for the next season.

Courses of action: I. The government should appoint a committee to look into the matter.

II. A notice should be sent to all sugar mills owners to abide by the decision made by the government.

III. Disciplinary action should be taken against all those sugar mill owners who are ready to violate the government's decision.

- a) Only I (b) Only II and III (c) Only I and III
 d) All I, II and III (e) None of these

44. Statement: Agriculture sector is facing many problems and farming is becoming a non-viable activity.

Course of action: I. An enquiry should be made and the problems responsible for making agriculture non-viable should be identified.

II. The support systems have to be tuned to improve productivity and incomes of farmers with emphasis on small and marginal farmers and dry-land areas.

III. The government should make policies (related with agriculture) keeping in mind the increasing risk in agriculture.

- a) Only I and II (b) Only II and III (c) Only I and III
 d) All I, II and III (e) None of these

45. Statement: From a problem of plenty, public sector banks are now facing challenge of finding the right manpower to support their growth. In the next three years, the talent crunch is expected to worsen.

Course of action:

I. A committee should be made to look into the matter and its recommendation should be sought to sort out the problem.

II. The concerned banks should make their own arrangement to impart training to their employees according to their requirement.

- III. Efforts should be made to deploy manpower efficiently.
 a) Only I b) Only II c) Only III
 d) Only I and II e) All I, II and III

Direction (46-50): Study the given information and answer the following questions:

Eight friends M, N, O, P, Q, R, S and T are sitting around circular table and belong to eight different states Uttar Pradesh, Bihar, Andhra Pradesh, Chandigarh, Punjab, Haryana, Kerala and Maharashtra. They read three Newspapers in Hindi, English and Punjabi. At least two persons read one newspaper not necessarily in the same order.

Only P and Q read Hindi Newspaper. P is third to right of Q. M is from Kerala reads English Newspaper and is sitting immediate right of Q. R is from Chandigarh and reads Punjabi Newspaper. T reads the same Newspaper as S reads who is third to left of R and fourth to right of N. O is sitting exact opposite of P who belongs to UP. Persons belong to Maharashtra and Andhra Pradesh read English Newspaper. S is from Haryana while N is from Andhra Pradesh reads English Newspaper. T is from Punjab.

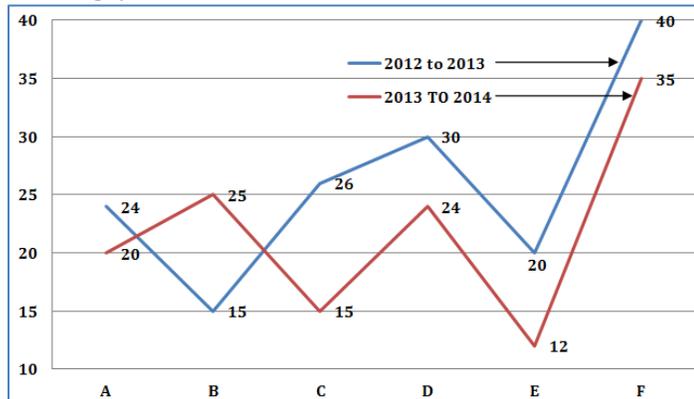
46. Who does not read English Newspaper?
 (a) O (b) N (c) M
 (d) T (e) None of these
47. From which state Q belongs?
 (a) UP (b) Bihar (c) Maharashtra
 (d) Andhra Pradesh (e) None of these
48. Which of the following is not correct combination?
 (a) T-Punjab-Punjabi (b) Q-Kerala-Hindi
 (c) O-Maharashtra-English (d) P-UP-Hindi
 (e) All are correct combinations
49. Which two persons are sitting adjacently who read Punjabi Newspapers?
 (a) RT (b) RN (c) RS
 (d) TS (e) None of these
50. Given questions one based on the above question. One group does not match to group find that one.
 (a) OQ (b) RN (c) PT
 (d) MS (e) MO

MATH'S

Directions (51-55): In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

51. 5531 5506 5425 5304 5135 4910 4621
 (1) 5531 (2) 5425 (3) 4621
 (4) 5135 (5) 5506
52. 6 7 9 13 26 37 69
 (1) 7 (2) 26 (3) 69 (4) 37 (5) 9
53. 1 3 10 36 152 760 4632
 (1) 3 (2) 36 (3) 4632 (4) 760 (5) 152
54. 4 5 13 40 105 229 445
 (1) 4 (2) 13 (3) 105 (4) 445 (5) 229
55. 157.5 45 15 6 3 2 1
 (1) 1 (2) 2 (3) 6
 (4) 157.5 (5) 45

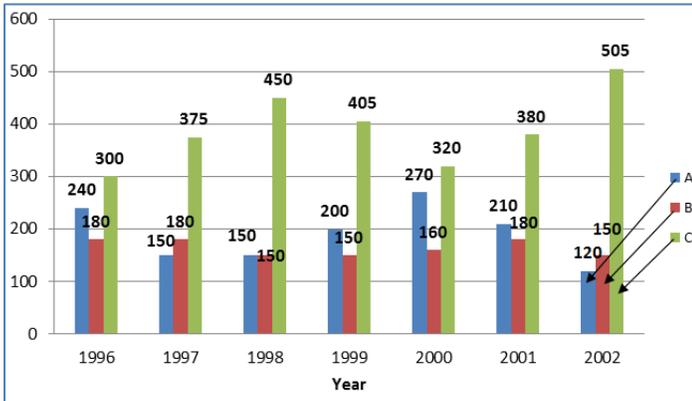
Directions (56-60): The following line graph shows the percentage rise in the population of six different cities during the period 2012 to 2013 and 2013 to 2014. Answer the following question



56. If the population of City A was 10 lakh in 2012 then what will be its population in 2014?
 1) 13.26 lakh 2) 13.72 lakh 3) 14.24 lakh
 4) 14.88 lakh 5) 15.64 lakh
57. If the population of City C is 19.9962 lakh in 2014 then what was its population in 2012?
 1) 13.8 lakh 2) 14.2 lakh 3) 14.6 lakh
 4) 15.4 lakh 5) 15.2 lakh
58. If the population of City B and City F in 2012 were 14 lakh and 14.5 lakh respectively then what will be the total population of City B and City F together in 2013?
 1) 33.2 lakh 2) 36.4 lakh 3) 37.5 lakh
 4) 38.6 lakh 5) None of these
59. If in the year 2012 the population of City D and City E were equal then the population of City D in 2014 is approximately what per cent of the total population of City E in 2013?
 1) 112.8% 2) 127.4% 3) 134.3%
 4) 137.2% 5) 142%
60. The population of City A in 2012 was what percent of its population in 2014?
 1) 67.2% 2) 78.4% 3) 87.5%
 4) 112.6% 5) 148.8

Directions (61-65): Study the following graph carefully and answer accordingly:

The following graph shows the cost (in Rs.) of three goods in different years.



61. In which of the following years the percentage increase/decrease in the cost of C with respect to the previous year is the maximum?
 1) 1999 2) 2002 3) 1997
 4) 1998 5) None of these
62. In which of the following years the cost of all the three goods together is the maximum?
 1) 2002 2) 1999 3) 2001
 4) 1996 5) None of these
63. In which of the following two years the total cost of all three goods is the same?
 1) 1999 and 2002 2) 1999 and 2000 3) 1998 and 2000
 4) 1997 and 1998 5) None of these
64. Find the percentage decrease in the cost of B from 1996 to 2002.
 1) 20% 2) 15% 3) 24%
 4) $16\frac{2}{3}\%$ 5) None of these
65. Find the approximate difference between the average cost of A and that of B.
 1) Rs. 23 2) Rs. 30 3) Rs. 33
 4) Rs. 20 5) Rs. 27
66. A bag contains 12 white and 18 black balls. Two balls are drawn in succession without replacement. What is the probability that first is white and second is black?
 A) 36/135 B) 36/145 C) 18/ 91
 D) 30/91 E) None of these
67. Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even?
 A) 3/16 B) 1/8 C) 3/4
 D) $\frac{1}{2}$ E) None of these
68. In a class, there are 15 boys and 10 girls. Three students are selected at random. The probability that 1 girl and 2 boys are selected is:
 A) 21/46 B) 21/135 C) 42/135
 D) Can't be determined E) None of these
69. A boat takes 90 minutes less to travel 36 km downstream than to travel the same distance upstream. If the speed of the boat in still water is 10 km/hr, the speed of stream is
 A. 2 km/hr B. 2.5 km/hr C. 3 km/hr
 D. 4 km/hr E. None of these
70. A and B can do a piece of work in 15 days and 20 days respectively. They start working on alternate days with B starting the work. In how many days the work will be completed.
 A. 17 days B. 18 (2/3) days C. 16 (1/4) days
 D. 17 (1/4) days E. None of these
71. Two trains start at the same time from A and B and proceed towards each other at 80 km/hr and 95 km/hr resp. When the trains meet, it is found that one has travelled 180 km more than the other. Find the distance between A and B.
 A. 210 km B. 2000 km C. 2100 km
 D. 2010 km E. None of these
72. The volume of a cone is 1584 cm^3 and its height is 42 cm. Find the curved surface area of the cone.
 A. $565.7\sqrt{2} \text{ cm}^2$ B. 565 cm^2 C. $560.67\sqrt{2} \text{ cm}^2$
 D. $548.34\sqrt{2} \text{ cm}^2$ E. None of these
73. A producer of tea blends two varieties of tea from two tea gardens one costing Rs 18 per kg and another Rs 20 per kg in the ratio 5 : 3. If he sells the blended variety at Rs 21 per kg, then his gain percent is
 a. 12% b. 13% c. 14%
 d. 15% e. None of these
74. The compound interest on a certain sum for 2 years at 10% per annum is Rs. 525. The simple interest on the same sum for double the time at half the rate percent per annum is:
 (1) 600 (2) 500 (3) 400
 (4) 550 (5) 580
75. A man bought a mobile and a laptop for Rs. 78000. He sold the mobile at a gain of 25% and the laptop at a loss of 15%, thereby gaining 5% on the whole. Find the cost price of mobile.
 1) Rs. 39000 2) Rs. 34000 3) Rs. 30000
 4) Rs. 38000 5) Rs. 32000
- Direction (76-80) :** In a sports event there are three categories of race (100 m, 200 m, 400 m). Total 200 athletes participated in that event. The number of athletes who participated only in 100m race is 30% of total number of athletes, and among them 1/3rd are females. Number of athletes who participated in 200m race only is 15% of total number of athletes and among them 40% are females. Number of athletes who participated only in 400m race is 1/4 of total number of athletes and among them half are females. Number of athletes who participated in 100m and 200m race but not in 400m race is 1/10 of total number of athletes and among them 1/4 are females. Number of athletes who participated in 100m and 400 m race but not in 200 m is 7.5% of total number of athletes and among them 8/15 are females. Number of athletes who participated in all three categories is 1/20 of total number of athletes and among them 1/5 are females. Number of female athletes who participate 200m and 400 m race but not in 100m race is 8/15 of rest.

76. What is the number of female athletes who participated in exactly two categories of race?
 1) 20 2) 21 3) 23
 4) 24 5) 25
77. What is the difference between the total number of male athletes and the number of female athletes who participated in exactly one category?
 1) 61 2) 63 3) 65
 4) 67 5) 69
78. What is the ratio of the total number of athletes who participated in 200m and 400m race but not in 100m race to the male athletes among them?
 1) 15 : 11 2) 15 : 8 3) 15 : 7
 4) 15 : 13 5) 8 : 7
79. What is the number of male athletes who participated in at most two categories of race?
 1) 104 2) 106 3) 108
 4) 110 5) 112
80. The number of male athletes who participated in all three categories of race is what percentage of total number of female athletes?
 1) 10% 2) 20% 3) 30%
 4) 40% 5) None of these
- Directions (81-85):** The following questions are accompanied by three statements A, B and C. You have to determine which statement(s) is/are necessary/sufficient to answer the question.
81. A bag contains balls of only three different colours, red, yellow and green. 3 balls are drawn randomly. What is the probability that the balls drawn are of three different colours?
 A. The no. of yellow balls is two more than the no. of red balls.
 B. The Sum of the no. of yellow and green balls is three times the no. of red balls.
 C. The ratio of the no. of red balls to that of green balls is 3 : 4.
 1) A and either B or C 2) Any two of them
 3) Only A and C together
 4) Question can't be answered even after using all the information
 5) All statements are required
82. What will be the average of three numbers?
 A. The largest no. is greater than the smallest by 20.
 B. The sum of the largest and smallest nos. is equal to twice the middle one.
 C. The difference of the first two numbers is 10.
 1) Only A and C together 2) Only B and C together
 3) Any two of them
 4) Question can't be answered even after using all the informations
 5) All statements are required
83. What is the cost price of a table?
 A. By selling the table for Rs. 600 instead of Rs. 500, loss per cent decreases by 10%.
 B. When the cost price of the table increases by 10% and then decreases by 10%, it reduces by Rs. 10.
 C. By selling the table and a chair for Rs. 1500 a net profit of 25% is made.
 1) Only A or B alone 2) Only B or C alone
 3) Only A and C together 4) Any two of them together
 5) Either B alone or A and C together are sufficient
84. What is the speed of train 'x'?
 A. Train x crosses a 140-metre-long train y running opposite direction in 10 seconds.
 B. Train x crosses a 400-metre long railway platform in 28 seconds
 C. Train x crosses a man standing on the railway platform in 8 seconds.
 1) Only A and B together 2) Only B and C together
 3) Only B and C together 4) Any two of them
 5) All statements are required to answer the question
85. The total of the present ages of P, Q, R and S is 96 years. What is Q's present age?
 A. The average age of P, Q and S is 20 years.
 B. The average age of Q and S is 20 years.
 C. The average age of R and S is 25 years.
 1) Only A and B together 2) Only B and C together
 3) Any two of them
 4) Question can't be answered even after using all the information
 5) All statements are required
- Directions (86-90) :** In each of these questions two equations numbered I & II are given. You have to solve both the equations and give answer.
 (1) If $x < y$ If $x > y$
 (2) If relationship between a and b cannot be established
 (3) If $x \geq y$ If $x \leq y$
86. I. $x^2 - 12x + 27 = 0$ II. $y^2 + 5y - 84 = 0$
 87. I. $x^2 - 4x - 60 = 0$ II. $y^2 - 26y + 165 = 0$
 88. I. $x^2 = 4624$ II. $y = \sqrt{4624}$
 89. I. $32x^2 - 68x + 35 = 0$ II. $8y^2 - 14y + 5 = 0$
 90. I. $9x^2 - 27x + 14 = 0$ II. $3y^2 - 17y + 10 = 0$
91. Two vessels A and B of equal capacities contain mixtures of milk and water in the ratio 4 : 1 and 3 : 1, respectively. 25% of the mixture from A is taken out and added to B. After mixing it thoroughly, 20% of the mixture is taken out from B and added back to A. The ratio of milk to water in vessel A after the second operation is
 (A) 76 : 26 (B) 81 : 19 (C) 79 : 21
 (D) 82 : 18 (E) None of these
92. Chawala mixes three qualities of tea T_1 , T_2 and T_3 priced at Rs. 74 per kg, Rs. 68 per kg, and Rs. 63 per kg in the ratio of 1 : 2 : 4. He added some more quantity of T_1 to 4 kg of this mixture. He sold this new mixture for Rs. 84 per kg, thereby

making a profit of 20%. How much of T_1 did he mix with the mixture?

- (A) 1 kg (B) 0.5 kg (C) 0.35 kg
(D) 0.75 kg (E) None of these

93. In the students' union election, 10% of the voters on the voter's list did not cast their votes and 60 voters cast their ballot paper blank. There were only two contestants. The winner was supported by 47% of all voters in the list and he got 308 votes more than his rival. The number of voters on the list were

- (A) 8650 (B) 7865 (C) 6895
(D) 6200 (E) None of these

94. A bowler, whose bowling average is 24.85 runs per wicket, takes 5 wickets for 52 runs and thereby decreases his average by 0.85. The number of wickets taken by him till the last match was

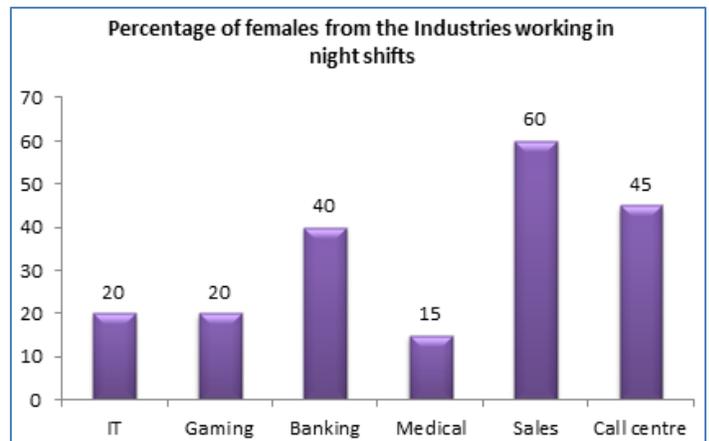
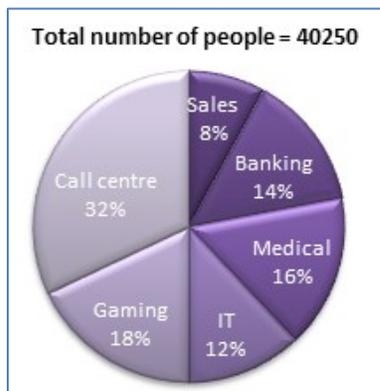
- (A) 64 (B) 72 (C) 80
(D) 96 (E) None of these

95. A part of Rs. 38800 is lent out at 6% for six months. The rest of the amount is lent out at 5% p.a. after one year. The ratio of interest after 3 years from the time when first amount was lent out is 5 : 4. Find the second part that was lent out at 5%.

- (A) Rs. 28800 (B) Rs. 29586 (C) Rs. 31776
(D) Rs. 32846 (E) None of these

Directions (96-100): Study the following pie chart and bar graph to answer these questions.

The following pie chart gives the percentage of adults from various industries working in shifts. The bar graph shows the percentage of females from these industries working in night shifts.



96. What is the approximate average number of females working in night shifts in all the industries?
(a) 2227 (b) 4481 (c) 3326
(d) 2523 (e) None of these
97. The number of females working in night shifts in the gaming industry is what per cent of the total number of people working in the night shifts from all the industries taken together?
(a) 5.6% (b) 3.6% (c) 3.2%
(d) 4.4% (e) None of these
98. What is the difference in percentage of males and females working in night shifts in these industries?
(a) 33.2% (b) 23.8% (c) 33.6%
(d) 27.4% (e) None of these
99. If the number of females working in night shifts in banking were 3206, while the number of females in rest of the industries remained unchanged, the new percentage of females working in night shifts will be.....(assume that the total number of people working in night shifts remains constant)
(a) 35.56% (b) 33.72% (c) 23.82%
(d) Cannot be determined (e) None of these
100. Percentage of males working in night shifts is lowest in which of the following industries?
(a) Sales (b) IT and Medical (c) Banking
(d) Gaming (e) Call centre

English Language

Directions (101-110): Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in bold to help you locate them while answering some of the questions.

In 1932, the Soviet Union sent one of its best agents to China, a former schoolteacher and counter-**espionage** expert from Germany named Otto Braun. His mission was to serve as a

military adviser to the Chinese Communists, who were engaged in a desperate battle for survival against Chiang Kai-shek's Nationalists. The full story of Braun's misadventures in China's Communist revolution is packed with enough twists and turns for a Hollywood thriller. But in the domain of culinary history, one anecdote from Braun's autobiography stands out. Braun recalls his first impressions of Mao Zedong, the man who would

go on to become China's paramount leader. The shrewd peasant organizer had a mean, even "spiteful" streak. "For example, for a long time I could not accustom myself to the strongly spiced food, such as hot fried peppers, which is traditional to southern China, especially in Hunan, Mao's birthplace." The Soviet agent's tender taste buds invited Mao's mockery. "The food of the true revolutionary is the red pepper," declared Mao. "And he who cannot endure red peppers is also unable to fight." Maoist revolution is probably not the first thing that comes to mind when your tongue is burning from a mouthful of Kung Pao chicken or Mapo Tofu at your favorite Chinese restaurant. But the unlikely connection underscores the remarkable history of the chili pepper.

For years culinary detectives have been on the chili pepper's trail, trying to figure out how a New World import became so firmly rooted in Sichuan, a landlocked province on the southwestern frontier of China. "It's an extraordinary puzzle," says Paul Rozin, a University of Pennsylvania psychologist, who has studied the cultural evolution and psychological impact of foods, including the chili pepper. Food historians have pointed to the province's hot and humid climate, the principles of Chinese medicine, the constraints of geography, and the exigencies of economics. Most recently neuropsychologists have uncovered a link between the chili pepper and risk-taking. The research is provocative because the Sichuan people have long been notorious for their rebellious spirit; some of the momentous events in modern Chinese political history can be traced back to Sichuan's hot temper. As Wu Dan, the manager of a hotpot restaurant in Chengdu, Sichuan's capital, told a reporter: "The Sichuanese are fiery. They fight fast and love fast and they like their food to be like them—hot."

The chili pepper, genus *capsicum*, is indigenous to the tropics, where archaeological records indicate it has been cultivated and consumed perhaps as far back as 5000 B.C. Typically a perennial shrub bearing red or green fruit, it can be grown as an annual in regions where temperatures reach freezing in the winter. There are five domesticated species, but most of the chili peppers consumed in the world belong to just two, *Capsicum annuum* and *Capsicum frutescens*.

The active ingredient in chili peppers is a compound called capsaicin. When ingested, capsaicin triggers pain receptors whose normal evolutionary purpose is to alert the body to dangerous physical heat. The prevailing theory is the chili pepper's burn is a trick to **dissuade** mammals from eating it, because the mammalian digestive process normally destroys chili pepper seeds, preventing further propagation. Birds—which do not destroy chili pepper seeds during digestion—have no **analogous** receptors. So, when a bird eats a chili pepper, it doesn't feel a thing, excretes the seeds, and spreads the plant.

The word "chili" comes from the Nahuatl family of languages, spoken, most famously, by the Aztecs. (One early Spanish translation of the word was "el miembro viril"—tantalizing early evidence of the chili pepper's inherent machismo.) Botanists

believe the chili pepper originated in southwest Brazil or south central Bolivia, but by the 15th century, birds and humans had spread it throughout South and Central America. Enter Christopher Columbus. On Jan. 1, 1493, the great explorer recorded in his diary his discovery, on the Caribbean island of Hispaniola, that "the pepper which the local Indians used as spice is more abundant and more valuable than either black or melegueta pepper [an African spice from the ginger family]."

In the 15th century, Spain and Portugal were obsessed with finding sea routes to the spice markets of Asia that would allow them to break the monopoly wielded by Arab traders over access to hot commodities like black pepper, cardamom, cinnamon, and ginger. Although Columbus was utterly wrong in his belief that he had sailed to India, he still succeeded in locating precisely what he had been seeking. What he found was a potent, popular spice which the natives, observed Columbus' physician Deigo Chanca, included with every meal—chili pepper. The plant Columbus encountered is believed to be *Capsicum annuum* or *frutescens*, which he described as "like rose bushes which make a fruit as long as cinnamon." The chili pepper, like so many edible plants native to the New World, proved to be a wildly popular global sensation. Within a century of Columbus' arrival in the New World, the chili pepper had made its way to places as far-flung as Hungary (paprika!), West Africa, India, China, and Korea.

The first mention of the chili pepper in the Chinese historical record appears in 1591, although historians have yet to arrive at a consensus as to exactly how it arrived in the Middle Kingdom. One school of thought believes the pepper came overland from India into western China via a northern route through Tibet or a southern route across Burma. But the first consistent references to chili peppers in local Chinese gazettes start in China's eastern coastal regions and move gradually inland toward the West—reaching Hunan in 1684 and Sichuan in 1749—data points that support the argument that the chili pepper arrived by sea, possibly via Portuguese traders who had founded a colony near the southern Chinese coast on the island of Macao. Historians and ethno **gastronomes** have been confounded by the fact that other parts of China with exposure to the chili pepper sampled it and shrugged. Notably, in the southeast, the Cantonese easily resisted its blandishments while maintaining allegiance to their own much more subtly flavored cuisine. But in Sichuan, the chili pepper stuck. Clearly some constellation of factors made the province different.

101. According to the given passage, which of the following fact(s) has/ have baffled the historians?

- (I) People from several parts of China were indifferent towards chili pepper
 - (II) Chili pepper stuck in Sichuan
 - (III) Various parts of China did not get exposure to the chili.
- (a) Only (I) (b) only (II) (c) Both (I) and (III)
 (d) Both (I) and (II) (e) All (I), (II) and (III)

102. Why were some Europeans so preoccupied with finding sea routes to the spice markets of Asia?
- To break the monopoly wielded by Arab traders over access to hot commodities of that time
 - To compete with each other
 - To gain an upper hand over others
 - To propagate Industrialisation
 - None of these
103. According to the author, what was Otto Braun's first impression of Mao Zedong?
- He found Mao Zedong an interesting person.
 - He found him mean and malicious.
 - He thought that this man would go on to become China's paramount leader.
 - He thought that Mao is a lover of spices.
 - All of these.
104. According to the given passage, why does a bird not feel anything when it eats chili?
- Because its taste buds are not proactive.
 - Because it excretes the seeds without destroying it.
 - Because it does not have receptors like humans.
 - Because it spreads the plant.
 - Not given in the passage.
105. According to the author, why is the research work of food historians and psychologists provocative?
- Because Sichuan people are famous for their violent spirit.
 - Because Sichuan people fight fast and love fast
 - Because The Sichuan people are fiery
 - Because Sichuan people have been infamous for their rebellion nature.
 - All of these
106. According to the given passage, which of the following fact(s) is/are NOT TRUE?
- Melegueta pepper is an African spice.
 - The active ingredient in chili peppers is a compound called capsaicin.
 - The chili pepper, genus capsicum, is native to the tropical region.
- Only (I)
 - only (II)
 - Both (I) and (II)
 - All are not true
 - All are true

Directions (107-108): Choose the word/group of words which is most nearly the SAME in meaning as the word given in bold as given in the passage.

107. **GASTRONOMES**

- Gastroenterologist
- Saucier
- Gourmet
- Savant
- Ignoramus

108. **ESPIONAGE**

- Spying
- Overlooking
- Veto
- Envisage
- Moribund

Directions (109-110): Choose the word/group of words which is most nearly the OPPOSITE in meaning as the word given in bold as given in the passage.

109. **ANALOGOUS**

- Akin
- Confusing
- Clear
- Unlike
- Agnate

110. **DISSUADE**

- Deter
- Exhort
- Disincline
- Remonstrate
- Encourage

Directions (111-120): Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in bold to help you locate them while answering some of the questions.

The problem with science is that so much of it simply isn't. Last summer, the Open Science Collaboration announced that it had tried to **replicate** one hundred published psychology experiments sampled from three of the most prestigious journals in the field. Scientific claims rest on the idea that experiments repeated under nearly identical conditions ought to yield approximately the same results, but until very recently, very few had bothered to check in a systematic way whether this was actually the case. The OSC was the biggest attempt yet to check a field's results, and the most shocking. In many cases, they had used original experimental materials, and sometimes even performed the experiments under the guidance of the original researchers. Of the studies that had originally reported positive results, an astonishing 65 percent failed to show statistical significance on replication, and many of the remainder showed greatly reduced effect sizes.

Their findings made the news, and quickly became a club with which to bash the social sciences. But the problem isn't just with psychology. There's an unspoken rule in the pharmaceutical industry that half of all academic biomedical research will ultimately prove false, and in 2011 a group of researchers at Bayer decided to test it. Looking at sixty-seven recent drug discovery projects based on preclinical cancer biology research, they found that in more than 75 percent of cases the published data did not match up with their in-house attempts to replicate. These were not studies published in fly-by-night oncology journals, but blockbuster research featured in *J*, and the like. The Bayer researchers were drowning in bad studies, and it was to this, in part, that they attributed the **mysteriously** declining yields of drug pipelines. Perhaps so many of these new drugs fail to have an effect because the basic research on which their development was based isn't valid.

When a study fails to replicate, there are two possible interpretations. The first is that, unbeknownst to the investigators, there was a real difference in experimental setup between the original investigation and the failed replication. These are colloquially referred to as "wallpaper effects," the joke being that the experiment was affected by the color of the wallpaper in the room. This is the happiest possible explanation

for failure to reproduce: It means that both experiments have **revealed** facts about the universe, and we now have the opportunity to learn what the difference was between them and to incorporate a new and subtler distinction into our theories. The other interpretation is that the original finding was false. Unfortunately, an ingenious statistical argument shows that this second interpretation is far more likely. First articulated by John Ioannidis, a professor at Stanford University's School of Medicine, this argument proceeds by a simple application of Bayesian statistics. Suppose that there are a hundred and one stones in a certain field. One of them has a diamond inside it, and, luckily, you have a diamond-detecting device that advertises 99 percent accuracy. After an hour or so of moving the device around, examining each stone in turn, suddenly alarms flash and sirens wail while the device is pointed at a promising-looking stone. What is the probability that the stone contains a diamond?

Most would say that if the device advertises 99 percent accuracy, then there is a 99 percent chance that the device is correctly discerning a diamond, and a 1 percent chance that it has given a false positive reading. But consider: Of the one hundred and one stones in the field, only one is truly a diamond. Granted, our machine has a very high probability of correctly declaring it to be a diamond. But there are many more diamond-free stones, and while the machine only has a 1 percent chance of falsely declaring each of them to be a diamond, there are a hundred of them. So if we were to wave the detector over every stone in the field, it would, on average, sound twice—once for the real diamond, and once when a false reading was triggered by a stone. If we know only that the alarm has sounded, these two possibilities are roughly equally probable, giving us an approximately Fifty percent chance that the stone really contains a diamond.

This is a simplified version of the argument that Ioannidis applies to the process of science itself. The stones in the field are the set of all possible testable **hypotheses**, the diamond is a hypothesized connection or effect that happens to be true, and the diamond-detecting device is the scientific method. A tremendous amount depends on the proportion of possible hypotheses which turn out to be true, and on the accuracy with which an experiment can discern truth from falsehood. Ioannidis shows that for a wide variety of scientific settings and fields, the values of these two parameters are not at all favorable.

111. According to the passage, which of the following is/are true about Open Science Collaboration?
- (i) It had tried to repeat many published psychology experiments
(ii) The OSC was the biggest attempt yet to check a field's results
(iii) It was in tandem with the earlier researches and findings.
- (a) Only (i) (b) Only (ii) (c) Both (i) and (ii)

(d) Both (ii) and (iii) (e) All of these

112. According to the author what is the problem with science?
- (a) It changes with time. (b) It is very rigid.
(c) It's not what it looks like (d) It's a virtual concept
(e) None of these
113. What according to the passage is an unspoken rule in the pharmaceutical industry?
- (a) The basic research on which a drug's development is based is not valid
(b) So much of it simply isn't
(c) Published data never matches up with their in-house attempts to replicate
(d) The Bayer researchers drown in bad studies
(e) Half of all academic biomedical research will ultimately prove false
114. According to the given passage, which of the following is/are the possible interpretations that can be made if a study fails to replicate?
- (a) There was a difference in experimental setup between the original investigation and the failed replication
(b) The original finding was false
(c) We have the opportunity to learn what the difference was between them
(d) Both (a) and (b) (e) All (a), (b) and (c)
115. According to the given passage, what is the actual probability that the stone contains a diamond?
- (a) 75 percent (b) 65 percent (c) 1 percent
(d) 99 percent (e) 50 percent
116. Oncology is the study of
- (a) Tumors (b) Stones (c) Probability
(d) Drugs (e) Diseases

Directions (117-118): Choose the word/group of words which is most nearly the SAME in meaning as the word given in bold as given in the passage.

117. **Mysteriously**
- (a) Knowingly (b) Comprehensibly
(c) Apprehensively (d) Bafflingly (e) Fathomable
118. **Replicate**
- (a) Spurn (b) Repulse (c) Imitate
(d) Reject (e) Nix

Directions (119-120): Choose the word/group of words which is most nearly the OPPOSITE in meaning as the word given in bold as given in the passage.

119. **Hypotheses**
- (a) Assumption (b) Bicker (c) Argument
(d) Hyperactive (e) Fact
120. **Revealed**
- (a) Disclosed (b) camouflaged
(c) Imparted (d) Unwrapped (e) Repudiated

Directions (121-125): In each of the following sentences there are certain blank spaces. Below each sentence there are five

option can be used to fill up the blank in the sentence in the same sequence to make it meaningfully complete.

121. The death ____ from Ecuador's worst earthquake in a decade rose ____ at least 587 on Thursday even as the country faced another grim toll- a long and costly reconstruction effort likely to cost billions of dollars.
(a) count; to (b) caused; from (c) by; by
(d) coming; to (e) toll; in
122. One of the species was named Ganzhorn's mouse lemur (*Microcebus ganzhorni*), _____ Jorg Ganzhorn from Hamburg University, who has been _____ in research and protection of lemurs for decades.
(a) by; busy (b) after; engaged
(c) to; indulged (d) before; involved
(e) nomenclature; buried
123. Technology _____ Apple is reportedly not planning to produce a large volume of the iPhone SE that it released last month to offset the _____ of its flagship series.
(a) of; flop (b) master; collapse
(c) builder; sluggish (d) savvy; loss
(e) giant; slump
124. The Economic Survey for 2015-16, which was _____ in Parliament on Friday suggested the policies must _____ raising of production of pulses and oilseeds, for which the country is heavily dependent on imports.
(a) presented; be (b) introduced; have
(c) tabled; incentivize (d) discussed; result
(e) debated; cause
125. The longest _____ British royal, Queen Elizabeth's legacy is a big part of the British royals' attempt to stay _____ in this day and age.
(a) ruler; alive (b) ruling; pride
(c) running; out (d) ever; revealing
(e) reigning; relevant

Directions (126-130): Rearrange the following six sentences (A), (B), (C), (D), (E), and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) Simply because it does not capture the rain that falls over it.
(B) It is this bounty that must be caught, stored, and used over the 8,760 hours that make up a year.
(C) Therefore, with no rain catchment programme in place, most of the water ends up being wasted. In these areas, rain harvesting must be made mandatory.
(D) It is said that global water scarcity is expected to become a leading cause of national political conflict and the prognosis for India is no different.
(E) In India, the monsoon is a brief deluge and it is estimated that we get about 100 hours of rain in a year.
(F) Why is Cherrapunji today short of drinking water when it gets more than 11 m of rainfall annually?
(G) India's overall water availability is running dry and its growing water crisis can be attributed to scant government

planning, not treating industrial and human waste and a lack of foresight.

126. Which of the following would be the **FIRST** sentence after rearrangement?
(a) A (b) F (c) C (d) D (e) E
127. Which of the following would be the **FOURTH** sentence after rearrangement?
(a) A (b) B (c) C (d) D (e) E
128. Which of the following would be the **LAST (SIXTH)** sentence after rearrangement?
(a) A (b) B (c) C (d) D (e) E
129. Which of the following would be the **SECOND** sentence after rearrangement?
(a) A (b) B (c) F (d) D (e) E
130. Which of the following would be the **FIFTH** sentence after rearrangement?
(a) A (b) B (c) C (d) G (e) E

Directions (131-140): Read each sentence to find out whether is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of part is the answer. If there is no error, the answer is (5). (Ignore errors of punctuation, if any)

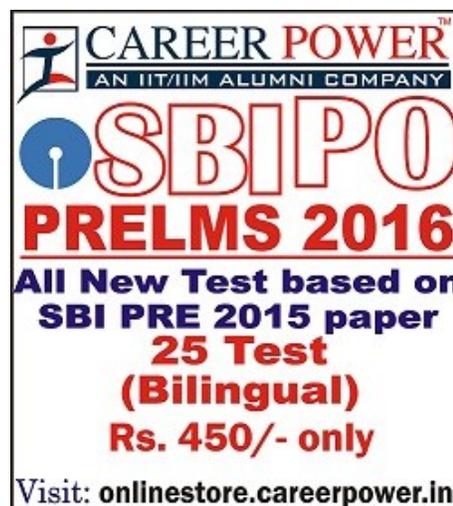
131. My father does (a)/ not mind to be (b)/ disturbed while he (c)/ is reading the newspaper. (d)/ No error (e)
132. A really good constitution (a)/holds up the mirror to government (b)/ and enables the public as well as (c)/leadership to identify shortfalls. (d)/ No error (e)
133. If I would have realized (a)/ what a bad driver you were (b)/ I would not have(c)/come with you. (d)/No error. (e)
134. He confidently asked the crowd (a)/if they thought that (b)/he was right (c) / and the crowd shouted that they do. (d)/No error (e)
135. The father told his son (a)/that he was a lazy boy (b)/and that he has done (c)/his work very badly. (d) / No error (e)
136. If you have a way with words (a)/ a good sense design and administration (b2)/ ability you may enjoy working in (c)/ high pressure world of advertising. (d)/ No error (e)
137. The Congress Party stood for (a)/ implementation of the (b)/ Nuclear Liability Bill and was ready (c)/ to stake their political existence. (d)/ No error (e)
138. He is the most (a)/ intelligent and also (b)/ the very talented (c)/ student of the college. (d)/ No error (e)
139. The soul of a constitution lies (a)/ in its vision of the kind of (b)/ society that the country will seek (c)/ to build through its institution. (d)/ No error (e)
140. No sooner the (a)/ teacher enter the (b)/ class than the (c)/ students stood up. (d)/ No error (e)

Directions (141-150): In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete.

The much acclaimed Amaravati sculptures, commonly called Amaravati collections (141) Amaravati marbles, is a series of nearly 120 exquisite sculptures and inscriptions collected from the ancient Amaravati site near Guntur and (142) displayed in British Museum, London. The Amaravati sculptures in British museum are also known as 'Elliot Marbles', on account of their association (143) Sir Walter Elliot, who caused their (144) in 1840s. The Amaravati sculptures are highly figurative in relief with several crowded scenes illustrating the Buddhist Jataka tales. The displayed sculptures are of several categories like 'toranams', gateways, pillars, cross bars, copings, drum panels, guardian lions, and several miscellaneous pieces that reflect the rich Buddhist cultural heritage. The earliest explorations at Amaravati were conducted by Col. Colin Mackenzie, then employed in the British army and who first visited the site in 1798. Walter Elliot, like Colin Mackenzie was a Scottish civil servant who worked mostly in Madras Presidency. He undertook extensive excavations at Amaravati in 1845 and transported the excavated sculptures to Madras from Machilipatnam port. They were first placed in the lawn in front of the East India Company's College in Fort St. George but (145) removed to the front of the Museum in Egmore for there was no space inside. In 1853, Edward Belfour, the (146) of the Madras museum wrote to Home authorities in London that Amaravati sculptures were exposed to elements and suggested that they deserve to be transported to England (147) of their artistic importance. Belfour got a series of drawings of the sculptures made by a local artist, Murugesu Mudaliar. In order to give a better account of the sculptures, Belfour got them even photographed and sent to London. In 1859 the Court of Directors finally ordered for the transportation of Amaravati sculptures to London. The sketches of Mudaliar are preserved in the British Library. In London the Amaravati sculptures were originally planned to be kept in the 'India Museum' which was founded in 1801 and contained natural history specimens, books, manuscripts and other items collected by Company officers in India. But as the Amaravati sculptures arrived in London after the dissolution of the East India Company, they were taken to a private house owned by Grant Duff, the Earl of Fief. There was great enthusiasm (148) British art lovers when the Amaravati (149) were opened to public in 1861. "You won't see anything like this in India itself", many have commented. But conditions at Fief House were not ideal due to cramped space. James Ferguson, a renowned British art critic of the time, in his book on Amaravati sculptures in 1868 expressed grave concern for the sculptural pieces due to the humid conditions at Fief House, (150) to river, Thames.

141. (a) and (b) of (c) in
(d) with (e) or
142. (a) aesthetic (b) aesthetical (c) aesthetically
(d) exhibition (e) ascetic

143. (a)to (b)by (c) from
(d) with (e) for
144. (a) discovery (b) excavation (c) invention
(d) expedition (e) finding
145. (a) later (b) latter (c) next
(d) lately (e) again
146. (a) steward (b) concierge (c) curator
(d) arbitrator (e) overseer
147. (a) all (b)instead (c) despite
(d) inspite (e) because
148. (a) among (b) between (c) in
(d) within (e) before
149. (a) displayed (b) exhibits (c) hills
(d) exhibitionaries (e) concealments
150. (a) near (b) nearly (c) close
(d) closely (e) thanks



SOLUTIONS:

Direction (1-5):

- (e) To defend itself against a charge of discrimination the company will have to show its selections were made on the basis of merit not sex. The best way to do that is to show that none of the women who were rejected had better qualifications than the men who were appointed. Only option (5) implies that and hence is the correct answer.
- (a) This argument is based on the assumption that if the appliances become more efficient, then more homes would not be tempted to increase their utility/consumption in the household.
- (c)
- (a) All that the speaker implies is that Kapil is efficient because he has twelve years of practice, and so option (a) is correct. (b) is eliminated because the word 'identical' is not mentioned in the paragraph. (c) is eliminated because we are talking about typing not the whole 'job profile'. (d) is eliminated as nothing is mentioned about Kapil's speed and accuracy and we cannot assume efficiency as speed

and accuracy. Similarly (e) cannot be the answer as nothing is implied about fitting into the office.

5. (e) Since, nothing is being mentioned in the paragraph about the employees leaving their jobs and/or company announcing pay hikes next year. SO, neither of the two statements are implicit.

Direction(6-10):

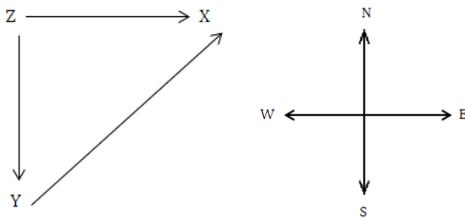
Fathers	Children	Place	Ice-Cream
Aniket	Rahul/Rohit	Shopping mall	Kasta
Prashant	Rahul/Rohit	Shopping mall	Chocobar
Gopal	Manish	Garden	Black Current
Neeraj	Nitesh	Clinic	Vanilla
Shivam	Kanhaiya	Parlour	Chocobar
Saurabh	Aakash	Shop	Vanilla

6. (b)
7. (a)
8. (b)
9. (e)
10. (e)

Direction(11-15):

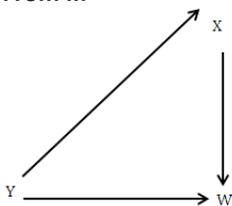
11. (c)

From 1.



Hence, x is to the north – east of y.

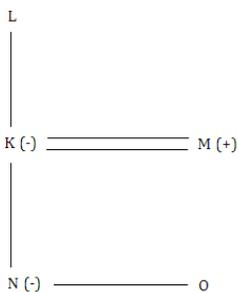
From II.



Hence, x is to the north-east of y.

Thus either statement I or statement II alone is sufficient.

12. (d) From I and II we get



L is either maternal grandfather or maternal grandmother of N. But we can't solve the question any further.

13. (e) **From I.**

Q

S

From II.

PQT or TQP
From I and II, we have
R
P/T
Q
T/P
S

Here, R stood first among them.

14. (d) From I and II, we have running/fast → he/po
The code of running is either he or Po. Se, we can't determine the code of running from both the statements.
15. (a)

From I.

_____ Sanjeev Gautam Amit
.Hence Sanjeev is on the immediate left of Gautam.

From II.

Mithilesh _____ Gautam _____ Ranjit

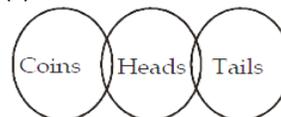
Direction(16-20):

\$--->
@--->
#---<
∂---=
*---≤

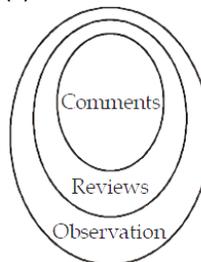
16. (e)
17. (a)
18. (b)
19. (e)
20. (e)

Direction(21-25)

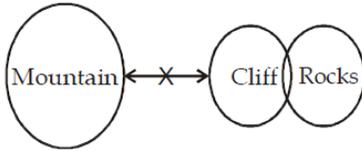
21. (c)



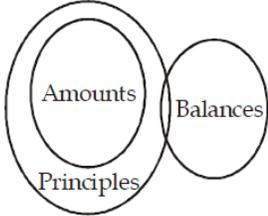
22. (c)



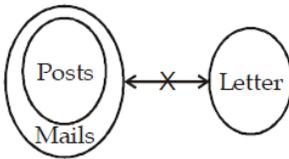
23. (e)



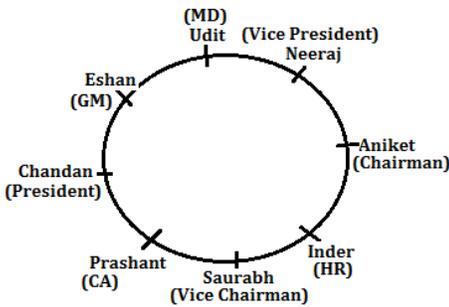
24. (d)



25. (d)



Direction(26-30):



- 26. (b)
- 27. (c)
- 28. (d)
- 29. (d)
- 30. (c)

Direction(31-35):

- she—ma
- whom—co
- know—he
- Nancy—mx
- is/worker—mh/ox
- a/better—la/sa
- Rohan—kl
- of—ze

- 31. (e)
- 32. (e)
- 33. (d)
- 34. (a)
- 35. (a)

Direction(36-40):

DAY	PERSON	COMPANY
Monday	Payal	B

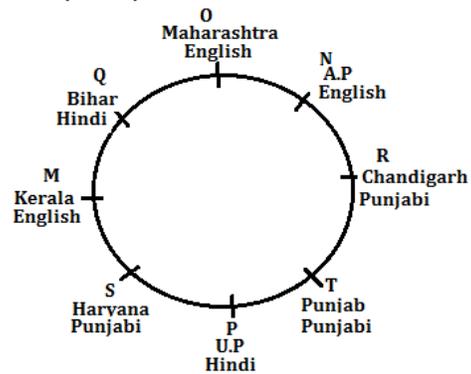
Tuesday	Nandita	C
Wednesday	Anisha	D
Thursday	Alisha	A
Friday	Preeti	E
Saturday	Sweety	F
Sunday	Kaya	G

- 36. (c)
- 37. (a)
- 38. (d)
- 39. (e)
- 40. (b)

Direction(41-45):

- 41. (b) I is an absurd course of action. Hence I. is not advisable. II is advisable because the move will compel the organised retailers to be involved in a dialogue to sort out the problem. III is the right way to eliminate the problem. Hence, III is advisable.
- 42. (d)
- 43. (a) I is necessary to solve the problem. II and III are not advisable because the matter is very sensitive. The problem is not of one or two sugar mills. All sugar mill owners are opposing the decision of the government.
- 44. (d)
- 45. (e)

Direction(46-50):



- 46. (d)
- 47. (b)
- 48. (b)
- 49. (a)
- 50. (e)

51. (1) The pattern is :

$$\begin{aligned}
 5531 - 5506 &= 25 = 5^2 \\
 5555 - 5506 &= 49 = 7^2 \\
 5506 - 5425 &= 81 = 9^2 \\
 5425 - 5304 &= 121 = 11^2 \\
 5304 - 5135 &= 169 = 13^2 \\
 5135 - 4910 &= 225 = 15^2 \\
 4910 - 4621 &= 289 = 17^2
 \end{aligned}$$

Clearly, 5531 is wrong which should be substituted by 5555.

52. (2) The pattern is:

$$\begin{aligned} 6+1 &= 7 \\ 7+2 &= 9 \\ 9+4 &= 13 \\ 13+8 &= 21 \neq 26 \\ 21+16 &= 37 \\ 37+32 &= 69 \end{aligned}$$

53. (4) The pattern is :

$$\begin{aligned} 1 \times 1 + 2 &= 3 \\ 3 \times 2 + 4 &= 10 \\ 10 \times 3 + 6 &= 36 \\ 36 \times 4 + 8 &= 152 \\ 152 \times 5 + 10 &= 770 \neq 760 \\ 770 \times 6 + 12 &= 4632 \end{aligned}$$

54. (3) The pattern is :

$$\begin{aligned} 4+1^3 &= 5 \\ 5+2^3 &= 13 \\ 13+3^3 &= 40 \\ 40+4^3 &= 104 \neq 105 \\ 104+5^3 &= 229 \\ 229+6^3 &= 445 \end{aligned}$$

55. (1) The pattern is :

$$\begin{aligned} 157.5 \div 3.5 &= 45 \\ 45 \div 3 &= 15 \\ 15 \div 2.5 &= 6 \\ 6 \div 2 &= 3 \\ 3 \div 1.5 &= 2 \\ 2 \div 1 &= 2 \neq 1 \end{aligned}$$

56. (4). $A(2014) = 10 \times \frac{124}{100} \times \frac{120}{100} = 14.88$

57. (1). $C(2012) = 19.9962 \times \frac{100}{126} \times \frac{100}{115} = 13.8$

58. (2). $B(2013) = 14 \times \frac{115}{100} = 16.1$, $F(2013) = 14.5 \times \frac{140}{100} = 20.3$,
total = $16.1 + 20.3 = 36.4$

59. (3). let the population of City D and City E be 'P' in the year 2012.

$$\begin{aligned} \text{Then } D(2014) &= P \times \frac{130}{100} \times \frac{124}{100} = 1.612P, \text{ and} \\ E(2013) &= P \times \frac{120}{100} = 1.2P, \text{ req \%} = \frac{1.612P}{1.2P} \times 100 = 134.33\% \end{aligned}$$

60. (1). Let A(2012) be 100, then $A_{2014} = 100 \times \frac{124}{100} \times \frac{120}{100} = 148.8$,
Req $\% = \frac{100}{148.8} \times 100 = 67.2\%$

61. (2); Maximum inclination shown between 2001 and 2002 hence answer is 2002;

62. (1); Max in 2002 = 775

63. (3); 1998 and 2000

64. (4); $\frac{30}{180} \times 100 = 16\frac{2}{3}\%$

65. (5); Req. difference = $\frac{1340-1150}{7} = 27$ (approx.)

66. (2); The probability that first ball is white = $\frac{12}{30} = \frac{2}{5}$
Since, the ball is not replaced ; the number of balls left is 29
Hence the probability the second ball is black = $\frac{18}{29}$

$$\text{Required probability} = \frac{2}{5} \times \frac{18}{29} = \frac{36}{145}$$

67. (3); $\frac{27}{36} = \frac{3}{4}$

68. (1); $\frac{10C_1 \times 15C_2}{25C_3} = \frac{21}{46}$

69. (1); Let the Speed of stream = x

$$\frac{36}{10-x} - \frac{36}{10+x} = \frac{90}{60}$$

$$x = 2 \text{ km/hr.}$$

70. (4); L.C.M = (15, 20) = 60

$$\begin{aligned} \text{Total work} &= 60 \\ \text{A's efficiency} &= \frac{60}{15} = 4 \\ \text{B's efficiency} &= \frac{60}{20} = 3 \end{aligned}$$

2 days work (A+B) = 4+3=7

Multiply both by 8.

16 days work (A+B) = 56

Remaining work = 60-56=4

Now B's turn on 17th day, he does work with efficiency 3

Now remaining work = 4-3 = 1

A will complete 1 work in $\frac{1}{4}$ days

So, total = $17\frac{1}{4}$

71. (3); If one has covered x km than other has covered (x+180) km.

The one with speed (95) must have covered more distance (x+180)

Since both start at same time, when they meet they have travelled equal time. So

$$\frac{x}{80} = \frac{x+180}{95}$$

$$x = 960$$

total distance between A and B = 960 + 960 + 180 = 2100

72. (1); Volume = $\frac{1}{3} \pi r^2 h$

$$\frac{1}{3} \pi r^2 h = 1584$$

$$\frac{1}{3} \times \frac{22}{7} r^2 \cdot 42 = 1584$$

$$r^2 = 36$$

$$r = 6$$

$$l = \sqrt{h^2 + r^2}$$

$$= \sqrt{1800}$$

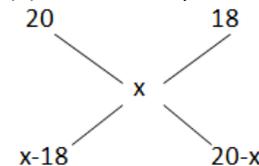
$$30\sqrt{2}$$

Curved surface are = $\pi r l$

$$= \frac{22}{7} \times 6 \times 30\sqrt{2}$$

$$= 565.7 \sqrt{2}$$

73. (1); Let the cost price of bleached variety = x



$$\frac{x-18}{20-x} = \frac{3}{5}$$

$$8x = 150$$

$$X = 18.75$$

$$c. p = 18.75$$

- s. p = 21
 % profit = $\frac{2.25}{18.75} \times 100 = 12\%$
74. (2); $\frac{C.I}{S.I} = \frac{200+R}{200}$
 $\frac{525}{S.I} = \frac{210}{200}$, S.I = 500
 Since, T = Double & R = half
 So, no effect on S.I.
75. (1); C. P of mobile = x
 C. P of laptop = 78000 - x
 $\frac{25}{100}x - \frac{15}{100}(78000 - x) = \frac{5}{100} \times 78000$
 x = 39000
76. (2); 5+8+8=21
77. (2); Females = 20+12+25 = 57
 Total males = 120
 Difference = 120 - 57 = 63
78. (3); Total = 15
 Males = 7
 Ratio = 15 : 7
79. (5); 120 - 8 = 112
80. (1); Total females = 80
 Male (all 3 cat) = 8
 Req.% = $\frac{8}{80} \times 100 = 10\%$
81. (5); Let the no. of red balls be x.
 So A → x+2 = no. of yellow balls.
 B → x+2+G=3x or G = 2x-2
 So C → $\frac{x}{2x-2} = \frac{3}{4}$ or x = 3
 So, required probability = $\frac{{}^3C_1 \times {}^5C_1 \times {}^4C_1}{{}^{12}C_3} = \frac{3}{11}$
82. (4); Let x, y and z be the number
 So A → z-x=20 ---- (i)
 B → x+z = 2y ---- (ii)
 C → y-x = 10 ---- (iii)
 Putting value of y from (iii) in (ii), we get
 x+z=2(10+x)
 z-x = 20, which is identical to (i)
 So $\frac{x+y+z}{3}$ can't be determine from
 A, B and C together.
83. (1); From A; 600-500 = 10% of cost price
 Hence cost price = $\frac{100}{10} \times 100 = 1000$
 From B $\frac{10 \times 10}{100}$ % of cost price, 1% = 10; 100%=Cost price = 1000
84. (2); Let L be the length of train x and S its speed in m/s
 ∴ B → L+400=S×28 (i)
 C → L = S × 8 (ii)
 Solving (i) and (ii), we get = 20 m/sec
85. (5); P+Q+R+S= 96
 A → P+Q+S = 60 or R = 36 (i)
 B → Q+S = 20 (ii)
 C → R+S = 50 from R = 36 (i)
 We get S = 14. Putting S = 14 in (ii), we get Q = 26
86. (3) x= 9,3; y = -12,7 ; No relation
87. (1)x= 10,-6; y = 15,11 ; x < y
88. (5) x= ±68, y = 68 ; x ≤ y
89. (3)x=5/4,7/8; y = 5/4,1/2; no relation
90. (3) x= 7/3, 2/3; y = 5, 2/3; no relation
91. (3); Let, there is 20 litres of mixture in both the vessels.
 ∴ In vessel A, milk=16 litre and water= 4 litres
 Now, 25% of the mixture transfer from A to B gives.
 Milk in vessel B=15 + 4 = 19 litres
 Water in Vessel B=5 +1=6 litres
 Hence, New Ratio=19: 6
 Equal amount from vessel B to vessel A is mined.
 Therefore, amount of milk in A = $12 + \frac{19}{5} = \frac{79}{5}$ litres
 Amount of water in A = $3 + \frac{6}{5} = \frac{21}{5}$ litres
 Final Ratio after second operation, In vessel A
 Milk: water = $\frac{79}{5} : \frac{21}{5} = 79 : 21$
92. (5) Quantity of T₁ in 4 kg mixture = $\frac{4}{7}$ kg
 T₂ in 4 kg mixture = $\frac{2}{7} \times 4 = \frac{8}{7}$ kg
 T₂ in 4 kg mixture = $\frac{4}{7} \times 4 = \frac{16}{7}$ kg.
 Hence, Cost price of mixture = $\frac{4}{7} \times 74 + \frac{8}{7} \times 68 + \frac{16}{7} \times 63$
 = $\frac{296+544+1008}{7} = \frac{1848}{7}$
 Sell price of mixture = 84 per kg
 ∴ CP of New mixture = $(84 - 84 \times \frac{1}{4}) = 63$ per kg
 Let 'x' kg of T₁ be added to 4 kg of tea mixture.
 ∴ Cost price of (4 + x) kg mixture = (4 + x) × 63 = 252 + 63x
 And cost price of (4 + x) kg mixture.
 = $(\frac{1848}{7} + x \times \frac{74}{7}) = 252 + 63x$
 ∴ $63x - \frac{74x}{7} = \frac{1848}{7} - 252$
 $441x - 74x = 1848 - 1764$
 $x = \frac{84}{367} = 0.229$ kg
93. (4); Let the total no. of voters in the voter's list be 'x'
 Then, the number of voters participated
 = $x - (\frac{x}{10} + 60) = \frac{10x - x - 600}{10} = \frac{9x - 600}{10}$
 Now,
 $\frac{47x}{100} - \left[\frac{9x-600}{10} - \frac{47x}{100} \right] = 308$
 $\frac{47x - 90x + 6000 + 47x}{100} = 308$
 ∴ Total no. of voters x = $\frac{30800-6000}{4} = \frac{24800}{4} = 6200$
94. (3); Let the number of wickets taken till the last match be 'n'.
 ∴ Total runs @ 24.85 runs per wicket=24.85n
 Total runs after the current match=2485n + 52
 Total number of wickets after the current match= n + 5
 Bowling average after the current match
 = $\frac{24.85n + 52}{n+5} = 24.85 - 0.85$
 ∴ $\frac{24.85n+52}{n+5} = 24$
 $24.85n + 52 = 24n + 120$

$$0.85n = 120 - 52$$

$$n = \frac{68}{0.85} = 80$$

95. (1); Let 'x' be the first part, then

$$\frac{x \times 0.06 \times 6}{(38800 - x) \times 0.05 \times 2} = \frac{5}{4}$$

$$1.44x = 19400 - 0.5x$$

$$\therefore x = \frac{19400}{1.94} = 10000$$

Hence, Second part = 38800 - 10000 = 28800 Rs.

96. (1) Average number of females

$$= \frac{\frac{40250}{100 \times 100} (12 \times 20 + 18 \times 20 + 32 \times 45 + 60 \times 8 + 14 \times 40 + 16 \times 15)}{6}$$

$$\text{No. of females} = \frac{\frac{40250}{100 \times 100} \times 3320}{6} \approx 2227$$

97. (2) Working females in gaming = $\frac{18}{100} \times 40250 \times \frac{20}{100} = 1449$

Required percentage

$$= \left[\frac{\text{Working females in gaming}}{\text{Total night shift persons}} \times 100 \right] \%$$

$$= \left(\frac{1449}{40250} \times 100 \right) \% = 3.6\%$$

98. (3) Average number of females = 2227 (approx)

Total number of females working in night shift = 13363

Number of males = 26887

$$\text{Difference} = 26887 - 13363 = 13524$$

$$\therefore \text{Required percentage} = \left(\frac{13524}{40250} \times 100 \right) \% = 33.6\%$$

99. (1) Average number of females = 2227 (approx)

Total number of females working in night shift = 13363

$$\text{Females working in night shifts in banking} = \frac{14}{100} \times 40250 \times \frac{40}{100} = 2254$$

$$\text{ATQ,}$$

Number of females working in night shift = 3206

$$\text{Difference} = 3206 - 2254 = 952$$

After increment, number of females = 13363 + 952 = 14315

$$\therefore \text{Required percentage} = \left(\frac{14315}{40250} \times 100 \right) \% = 35.56\%$$

100. (1) Sales = $\frac{8}{100} \times 40250 \times \frac{40}{100} = 1288$

$$\text{Banking} = \frac{14}{100} \times 40250 \times \frac{60}{100} = 3381$$

$$\text{Gaming} = \frac{18}{100} \times 40250 \times \frac{80}{100} = 5796$$

$$\text{IT and Medical} = \frac{12}{100} \times 40250 \times \frac{80}{100} + \frac{16}{100} \times 40250 \times \frac{85}{100} = 3864 + 5474 = 9338$$

So, the lowest percentage of males is in sales.

101. (a); It is given in the last paragraph of the given passage that 'Historians and ethno gastronomes have been confounded (baffled) by the fact that other parts of China with exposure to the chili pepper sampled it and shrugged' Hence, we can conclude that only (I) is true. Hence, (a) is the correct option.

102. (a); In the sixth paragraph, it is clearly given that 'Spain and Portugal were obsessed with finding sea routes to the spice markets of Asia that would allow them to break the monopoly wielded by Arab traders over access to hot commodities'. Hence, (a) is the correct option.

103. (b); In the first paragraph it is clearly given that 'Braun recalls his first impressions of Mao Zedong...' after which the author says that 'The shrewd peasant organizer had a mean, even "spiteful" streak.' Hence, (b) is the correct option.

104. (c); From the statement '.....(birds) have no analogous receptors. So, when a bird eats a chili pepper, it doesn't feel a thing.....' given in the fourth paragraph, we can conclude that (c) is the most appropriate option.

105. (d); It is given in the second paragraph that 'The research is provocative because the Sichuan people have long been notorious for their rebellious spirit'. Hence, we can easily conclude that (d) is the correct option.

106. (e); From the statements, 'The chili pepper, genus capsicum, is indigenous to the tropics', 'The active ingredient in chili peppers is a compound called capsaicin' and '...melegueta pepper [an African spice...]' given in third, fourth and fifth paragraph respectively. Hence, we can conclude that (e) is the correct option.

107. (c); 'Gastronome' means 'a connoisseur of good food'. Hence, 'Gourmet' is the word which is most nearly the same in meaning to it.

108. (a); 'Espionage' means 'the practice of spying or of using spies'. Hence, 'Spying' is the word which is most nearly the same in meaning to it.

109. (d); 'Analogous' means 'comparable in certain respects'. Hence, 'Unlike' is the word which is most nearly the opposite in meaning to it.

110. (e); 'Dissuade' means 'persuade (someone) not to take a particular course of action.'. Hence, 'Encourage' is the word which is most nearly the opposite in meaning to it.

111. (c); In the first paragraph, it is given that 'it had tried to replicate one hundred published psychology experiments' from this, we can conclude that (i) is true. Now, it's also given that 'The OSC was the biggest attempt yet to check a field's results, and the most shocking.' Hence (ii) is true and (iii) is not. Therefore, (c) is the correct option.

112. (c); From the first statement of the passage (The problem with science is that so much of it simply isn't) we can conclude that (c) is the correct option.

113. (e); It is clearly given in the second paragraph of the passage that 'There's an unspoken rule in the pharmaceutical industry that half of all academic biomedical research will ultimately prove false' Hence, (e) is the correct option.

114. (d); According to the third paragraph of the given passage, two interpretations that can be made if a study fails to replicate are 'there was a real difference in experimental setup between the original investigation and the failed replication' and 'the original finding was false.' Hence, (d) is the correct option.

115. (e); it is given in the second last paragraph of the passage that there is 'approximately Fifty percent chance that the stone really contains a diamond'. Hence (e) is the correct option.
116. (a); Oncology is the study of 'tumours'. Hence, (a) is the correct option.
117. (d); 'Mysteriously' means 'in a manner which is difficult or impossible to understand, explain, or identify.'. Hence 'Bafflingly' is the word which is most nearly the same in meaning to it.
118. (c); 'Replicate' means 'make an exact copy of'. Hence 'Imitate' is the word which is most nearly the same in meaning to it.
119. (e); 'Hypotheses' means 'a supposition or proposed explanation made on the basis of limited evidence as a starting point'. Hence 'Fact' is the word which is most nearly the opposite in meaning to it.
120. (b); 'Revealed' means 'make (something) known'. Hence 'camouflage' is the word which is most nearly the opposite in meaning to it.
121. (a); 'count; to' is the correct option
122. (b); 'after; engaged' is the correct option
123. (e); 'giant; slump' is the correct option
124. (c); 'tabled; incentivise' is the correct option
125. (e); 'reigning; relevant' is the correct option
- For questions (126-130):** The correct sequence to form meaningful sequence is **EBFAGDC**.
126. (e); E
127. (a); A
128. (d); D
129. (b); B
130. (d); G
131. (b); 'Gerund' will come after 'mind'. Change 'be' into 'being'.
132. (e); No error.
133. (a); Change 'would have' to 'have'.
Formula: If+ Past Perfect, Sub+ would+ have + V₃
134. (d); Change 'do' to 'did' as sentence starting in the past should stay in the past.
135. (c); Change 'has' to 'had' as sentence starting in past should stay in past.
136. (b); 'Administration' is a noun. We need an adjective from here which is 'administrative'.
137. (c); Change 'their' into 'its'. 'Congress Party' is singular and will take singular adjective 'its'.
138. (c); Change 'very' into 'most'. If two adjectives are joined by a conjunction, both the adjectives should be in the same degree. Hence, use 'most intelligent' with 'most talented'.
139. (e); No error.
140. (a); 'No sooner' is followed by a 'helping verb' and then the 'sub'. 'No sooner did the teacher enter' will be the correct way of writing this sentence.
141. (e)
142. (c)
143. (d)
144. (b)
145. (a)
146. (c)
147. (e)
148. (a)
149. (b)
150. (c)

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