



COMPETITION POWER

Your Guide to Government Jobs & All other Competitive Exams

September 2016 - ₹ 40

REG. No. DL(E)-20/5496/2016-18
RNI REG. No. DELENG/2015/65200



What's There

G.K. Hindu Review: July

Current Affairs Zinger: June

HANDY NOTES & QUIZZES :

- Trigonometry

- Ranking and Direction

- Simple Present Tense

- Quadratic Equation

Must do Indian Polity One Liners

Money Market & Its Instruments

GA Trickky Notes

- Twisted Ones

Descriptive English for SSC CGL

PRACTICE SETS:

- SSC CGL 2016

- IBPS PO PRELIMS

- IBPS PO MAINS

- SBI PO Prelims Memory Based

- RBI Grade-B Prelims

Newsmakers

- ⇒ PM Modi visited four African countries recently
- ⇒ PM Narendra Modi made major changes in its Cabinet
- ⇒ 17th International Indian Film Academy Awards 2016 held in Madrid, Spain
- ⇒ The 2016 Wimbledon Championship won by Britain's Andy Murray

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From the Editor's Desk

Dear Readers,

Bankers Adda in collaboration with Career Power brings to you **Competition Power (September 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 **July** but also for the month of **June** 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 IBPS PO Mains Practice Set, SBI PO Prelims Memory Based Mock, IBPS PO Prelims Practice Set, RBI Grade B Prelims Practice Set and SSC CGL 2016 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 !!

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Motivational : Work Hard, Dream BIG

"Failure is only the opportunity to begin again more wisely"

This maxim is apt for all those who are feeling dejected after the Results. But friends, as we have said earlier, this failure is also nothing but an opportunity to begin again. So, forget the failures of the past and brush up yourself for the bigger and better opportunities that the future holds for you. One such opportunity has been provided by RBI, the most sought after bank of India, to all the future bankers.

"Most great people have attained their greatest success just one step beyond their greatest failure."

– Napoleon Hill

salary package to the brand name, RBI is at par with any international banking institution. But again, the key remains to be your 'hardwork' and 'Indefatigable efforts'.

Most of you must have realized that a little more efforts and practice would have let you cross the winning line successfully. But friends, don't get disheartened, rather get up and prepare yourself for the future opportunities. Yes, the competition would be tougher this time! Yes, the number of candidates would also be higher this time! But remember, if you'll keep preparing sincerely, your proficiencies and competencies will also be more vigorous this year! If you had prepared sincerely for any exam, you would be well versed with all the happenings around the world, your formulae and concepts of quantitative aptitude and reasoning ability would be lucid enough to be applied in exam. Your vocabulary would be brushed up. So, in a nutshell, your base is ready, all you need is an icing on the cake, in order to taste the sweet success in the exam.

The only real failure in life is the failure to try.

The pattern of the exam is almost similar as that of last year's RBI exam with some minor changes in subjects/syllabus.. So as we have referred in our previous articles as well, 'no failure is final until you stop trying', it's time to boost your morale and muster all strength and capabilities for the bigger battle ahead. Lastly , Keep working hard, work on your deficiencies and give as many mocks as you can because 'the more you sweat in peace, the less you bleed in war'. Stay dedicated, and ultimately you'll surely be anointed with success and reverence in life.

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ONE STOP PORTAL FOR THE CURRENT AFFAIRS

NEWS MAKERS OF THE MONTH – JULY 2016

PM Modi visited four African countries recently

Prime Minister Narendra Modi's visit to the African continent covered Mozambique, South Africa, Tanzania and Kenya. During



the visit, PM Modi met Mozambique President Filipe Nyusi, South African President Jacob Zuma, President John Magufuli of Tanzania and President Uhuru Kenyatta of Kenya. The agenda of PM Modi's visit to African countries was to focus on energy, food security, trade, maritime cooperation and diaspora interactions.

India-Mozambique ink three agreements:

1. MoU on cooperation in the field of youth affairs and sports.
2. MoU on long-term agreement for the purchase of pulses.
3. MoU on reduction of drug trafficking and psychotropic substances and related materials.

South Africa sign MoUs with India in four areas of co-operation are:

1. MoU on Information and Communication technology (ICT).
2. Signed Programme of Cooperation in Arts and Culture.
3. MoU on Tourism.
4. MoU on Grass root innovation (Science and Technology)

PM Modi receives ceremonial welcome and Guard of Honour in Dar es Salaam, Tanzania

1. MoU on Cooperation in the field of water resource management and development between the two countries.
2. MoU on Visa waiver agreement for Diplomatic/Official passport holders between the two countries.
3. Agreement on Joint Action Plan (JAP) between National Small Industries Corporation of India (NSIC) and Small Industries Development Organization Tanzania (SIDO).
4. MoU for Establishment of Vocational Training Centre at Zanzibar.
5. LOC of 92 million US dollar for rehabilitation and improvement of water supply system in Zanzibar.

India and Kenya ink seven agreements:

1. MoU on Cooperation in the field of standardisation, expertise sharing and mutual trade between Bureau of Indian Standards and Bureau of Kenya Standards.
2. MoU on Cooperation in the field of National Housing Policy Development and Management.
3. The line of Credit Agreement for US \$15 million (first tranche of US \$30 million) to IDB Capital Limited, Kenya, for the development of various small and medium enterprises (SMEs) in Kenya.
4. The line of Credit Agreement for the US \$29.95 million to the Government of Kenya for the upgrade of Rift Valley Textiles Factory [RIVATEX East Africa Limited], Kenya.
5. Revised Double Taxation Avoidance Agreement (DTAA).
6. A bilateral agreement on the exemption of Visa for holders of Diplomatic passports.
7. MoU on Defence Cooperation.

17th International Indian Film Academy Awards 2016 held in Madrid, Spain



The 2016 IIFA awards which are officially known as the 17th International Indian Film Academy Awards (IIFA 2016) held in Madrid, Spain.

In 2016 IIFA awards, Bollywood stars, Deepika Padukone and Ranveer Singh bagged the Best Actor (Female) and Best Actor (Male) trophy at the 17th IIFA

extravaganza for their performance in "Piku" and "Bajirao Mastani" respectively. While, Sanjay Leela Bhansali won the Best Director for "Bajirao Mastani" and "Bajrangi Bhaijaan" was named the Best Film at a glittering ceremony in Spain.

All the awards which was presented in the ceremony were:

- Best Film: Bajrangi Bhaijaan
- Best Director: Sanjay Leela Bhansali (Bajirao Mastani)

- Best Actor (Male): Ranveer Singh (Bajirao Mastani)
- Best Actor (Female): Deepika Padukone (Piku)
- Best Actor in Supporting Role (Male): Anil Kapoor (Dil Dhadakne Do)
- Best Actor in Supporting Role (Female): Priyanka Chopra (Bajirao Mastani)
- Best Actor in Negative Role: Darshan Kumar (NH10)
- Best Performance in Comic Role: Deepak Dobriyal (Tanu Weds Manu Returns)
- Best Debut Actor (Male): Vicky Kaushal (Masaan)
- Best Debut Actor (Female): Bhumi Pednekar (Dum Laga Ke Haisha)
- Best Story: Juhi Chaturvedi (Piku)
- Best Playback Singer (Female): Monali Thakur for Moh Moh Ke Dhaage (Dum Laga Ke Haisha)
- Best Playback Singer (Male): Papon for Moh Moh Ke Dhaage
- Special Award: Woman of the Year- Priyanka Chopra
- Best Cinematography: Sudeep Chatterjee (Bajirao Mastani)
- Best Screenplay: Kabir Khan, Parvez Shaikh, V. Vijayendra Prasad (Bajrangi Bhaijaan)
- Best Dialogue: Juhi Chaturvedi (Piku)
- Best Choreography: Remo D'souza for Pinga (Bajirao Mastani)
- Best Special Effects: Prasad Sutara (Bajirao Mastani)

PM Narendra Modi made major changes in its Cabinet

Ahead of the next session of Parliament which is scheduled to start at the end of this month, the Union Government has inducted 19 new ministers into the Council of Ministers.

The major change during the reshuffling was of current environment minister Prakash Javadekar, who was the minister of state level, was elevated to Cabinet minister rank. While, the rest have been sworn in as ministers of state. Five ministers were also dropped from the Union Council of Ministers. They are- Minister of State (MoS) for Chemicals and Fertilizers Nihal Chand Meghwal, MoS HRD Ram Shankar Katheria, MoS Water Resources Sanwar Lal Jat, MoS Tribal Affairs Manuskhbhai D Vasva and MoS Agriculture MK Kundariya. With this second expansion of the NDA government led by Prime Minister Narendra Modi the total number of ministers in the Union Council went up to 83.

The complete list of reshuffles :-

Name of the Ministers	Constituency	In charge of
Faggan Singh Kulaste	Barbati in Madhya Pradesh.	Health & Family Welfare
Surendrajeet Singh Ahluwalia	From Darjeeling.	Agriculture & Farmer Welfare, Parliamentary Affairs
Ramesh Chandappa Jigjinagi	Bijapur, Karnataka	Drinking Water & Sanitation
Vijay Goel	Rajasthan.	Youth Affairs and Sports (Independent Charge), Water Resources, River Development & Ganga Rejuvenation
Ramdas Athawale	Maharastra.	Social Justice & Empowerment
Rajen Gohain	Nawgong, Assam.	Railways
Anil Madhav Dave	Madhya Pradesh	Environment, Forest and Climate Change (Independent Charge)
Parshottam Rupala	ujarat	Agriculture & Farmer Welfare, Panchayati Raj
MJ Akbar	Madhya Pradesh.	External Affairs
Arjun Ram Meghwal	Bikaner, Rajasthan.	Finance, Corporate Affairs
Jaswant Singh Bhabhor	Dahod, Gujarat.	Tribal Affairs
Dr Mahendra Nath Pandey	Chandauli, Uttar Pradesh.	Human Resource Development
Ajay Tamta	Almora constituency.	Textiles
Krishna Raj	UP's Shahjahanpur.	Women & Child Development
Mansukh Mandaviya	A native of Bhavnagar in Gujarat	Road Transport & Highways, Shipping, Chemicals & Fertilisers

Anupriya Singh Patel	Mirzapur in UP	Health & Family Welfare
C R Chaudhary	Nagaur, Rajasthan.	Consumer Affairs, Food & Public Distribution
P P Chaudhary	Pali, Rajasthan	Law & Justice, Electronics & Information Technology
Dr. Subhash Bhamre	Dhule, Maharashtra.	Defence

The 2016 Wimbledon Championship won by Britain's Andy Murray

Wimbledon Championships is the oldest tennis tournament in the world. The tournament had taken place at the All England Lawn Tennis and Croquet Club in Wimbledon, London, United Kingdom. It was the 130th edition of the championships and the 49th edition in the Open Era.



Wimbledon Championships 2016 winners are:

1. Men's Singles Title

Britain's Andy Murray defeats Milos Raonic of Canada in straight sets in Wimbledon final to win his second championship. In final match Andy Murray defeated Milos Raonic by 6–4, 7–6(7–3), 7–6(7–2) score.

2. Women's Singles Title

American Serena Williams, who won her seventh Wimbledon singles crown, and equalled the professional era record of 22 grand slam titles, with a 7-5 6-3 victory over Germany's Angelique Kerber.

3. Men's Doubles Title

French professional tennis players, Pierre-Hugues Herbert and Nicolas Mahut won the 2016 Wimbledon title in the men's

doubles category. In the final match they defeated French pair Julien Benneteau and Édouard Roger-Vasselin by 6–4, 7–6(7–1), 6–3 score.

4. Women's Doubles

Women's Doubles US pair of Serena Williams and Venus Williams won the 2016 Wimbledon title in the women's doubles category. They defeated Tímea Babos (Hungary) and Yaroslava Shvedova (Kazakhstan) pair by 6–3, 6–4 score.

5. Mixed Doubles Title

Heather Watson and Henri Kontinen won the mixed doubles as Watson became the fourth British player to secure a title on Wimbledon. They defeated Robert Farah (Colombia) and Anna-Lena Grönefeld (Germany) pair by 7–6(7–5), 6–4 score.



....Everything of IBPS Bank Exams



Success Story : IT'S NOT FAILURE; IT'S UNFINISHED SUCCESS

Hello Readers,

My name is **Chandrakant Mani**, I am from a small village called **Pandeypura** situated at Chatra district of **Jharkhand**. I never thought of becoming a banker or you can say my ambitions were different. I wanted to become a cricket player because that is the thing I love the most, also I was not so good in academics.

In 2004 my after my father's death my mom struggled a lot so that we could complete our secondary education. She took all

**"There are no secrets to success.
It is the result of preparation, hard work, and learning from failure."**

assured me that he'll be supportive with my decision.

At that time I had two options either I could go to Delhi for higher studies or to Bangalore to play cricket. **I decided to pursue my dream and went to Bangalore for playing cricket. I played there for four years.** I played 1st division level cricket but I was not selected for Ranji trophy or State level. So I decided to come back to Ranchi where I lived earlier, and **continued playing cricket but I was not getting any success.**

In February 2014 my brother told me to join any coaching institute and prepare for bank exams. I joined a coaching institute but I was not serious about studies. After not being selected in any state level team I finally decided not to play cricket anymore. In July 2014 I started preparing for bank exams with dedication.

THERE IS NO SUCCESS WITHOUT HARDSHIP.

Following was my transition from failure to success:

Ist Exam	SBI PO 2014	score-56	not selected
IIInd Exam	SBI CLERK	score-105	not selected
IIIrd Exam	RBI CLERK	score-130	not selected
IVth Exam	RBI PO	score-140	not called for interview
Vth Exam	RRB CLERK	score- 146	not called for interview
VIth Exam	IBPS PO	score-91	passed called for interview (was in waiting list)

VIIth Exam	IBPS CLERK	score-146	again I was not selected
VIIIth Exam	SBI PO	unable to secure cut off for pre	
IXth Exam	IBPS PO	selected in ALLAHABAD BANK as PO	

I was really frustrated after my VIIth exam but I didn't give up. I started studying at home for about 8 to 10 hours and gave online tests daily. I remember as the exam approached near I took 2-3 online test every day. My hard work finally paid off as I cleared IBPS PO 2015 and got selected in ALLAHABAD BANK as PO in reserve list.

"Most people have attained their greatest success just one step beyond their greatest failure."

Strategy for Preparation:

First of all you should know that bank exams can be tricky and you need to study smartly. **It's not totally about your knowledge test but mainly about time management skills.**

If you are preparing for IBPS PO Mains, there are 200 questions and for qualifying you have to score 80 to 100 marks. And out of 200 questions 120 questions are easy or of moderate level, you have to choose wisely. Average student can easily clear the cut off mark in particular sections but they get struck or are unable to do so because they do not have a proper strategy. **So it is important to have a strategic approach to crack bank exams.**

**DECIDE.
COMMIT.
SUCCEED.**

My section wise strategy was that for quantitative aptitude I focused on calculation and solved 20 questions daily, **good speedy calculation can be your life saver in quant.** I was weak in English language and it was a challenge for me to score well in it. **To improve my language skills I started reading newspaper, watching videos or English news channels along with taking an English Language mock test daily.** And for reasoning I felt, good concentration is the key. **Reasoning requires focus and with basic concepts you can score well in reasoning.**

Last but not the least for G.A. and Computer Section I just did two things regularly, **followed Bankers Adda's quizzes and G.K Update and PIB News.** I am a silent reader of B.A. and B.A. has helped me a lot.

I wish you all luck and thank you Bankers Adda.

Regards,
Chandrakant Mani

CURRENT AFFAIRS : JULY 2016

INDIA IN NEWS

India to host BRICS Policy Planning Dialogue in Bihar

India is all set to host the BRICS Policy Planning Dialogue at Patna in Bihar. The theme of BRICS Policy Planning dialogue is Building Responsive, Inclusive and Collective Solutions.

ECI Launches SVEEP portal in Hindi

Election Commission of India (ECI) has launched the SVEEP Portal in Hindi language along with two other releases in the sidelines of the Conference of Chief Electoral Officers of States by the Chief Election Commissioner Nasim Zaidi.

Hydropower station at Sardar Sarovar becomes operational

Six main power-generating turbines of Sardar Sarovar Dam at Kevadia in Narmada district of Gujarat have become operational producing electricity at its full capacity after 65,000 cusec of water was released from the dam in Madhya Pradesh due to heavy rainfall in the catchment areas.

Parliament passes Regional Centre for Biotechnology Bill, 2016

Parliament has passed the Regional Centre for Biotechnology Bill, 2016 with the Rajya Sabha approving it. The bill seeks to establish a Regional Centre for Biotechnology, an institution of education, training and research, under the auspices of United Nations Educational, Scientific and Cultural Organization (UNESCO) in the National Capital Region.

India's first e-court opened at Hyderabad High Court

India's first e-court has opened at High Court of Judicature at Hyderabad. It is the common high court for the states of Telangana and Andhra Pradesh.

Tata STRIVE skill development centre launched in Hyderabad

Tata STRIVE, an initiative of Tata Community Initiatives Trust, launched its first Skill Development Centre (TSSDC) centre. The centre will equip the youth in the State with skills in BPO, banking, financial services, insurance and retail industries to make them employable.

Three Indian sites listed among UNESCO's World Heritage Sites

The United Nations Educational, Scientific and Cultural Organization (UNESCO) has listed Chandigarh's Capitol Complex, Sikkim's national park & Nalanda University among its World

Heritage Site. This is the first time that any country got three sites inscribed in the Word Heritage List at a single session of the committee meeting. India now has 35 sites.

Vice President Hamid Ansari unveils Gandhi's stone statue

Vice President Hamid Ansari has unveiled a stone statue of Mahatma Gandhi at Pethub Monastery in the Mongolian capital which is seen as symbol of India-Mongolia cultural and spiritual ties.

NGT Orders to De-Register Over 10-Year Old Diesel Vehicles in Delhi

The National Green Tribunal (NGT) gave immediate orders to ban diesel vehicles which are more than 10 years old in Delhi to deal with pollution in the national capital. The Regional Transport Office, Delhi was asked to cancel the registration of all diesel vehicles that are older than 10.

Government launches Transforming India portal

Union Minister for Electronics & Information Technology Ravi Shankar Prasad has launched a website 'Transforming India', a repository for real-time sharing of the impact of various governance initiatives with citizens. This portal will provide information in a user-friendly format enabling citizens to view the content in the form of Infographics, e-books, performance dashboard, videos, daily news corner, and so on.

Hospital train Lifeline Express completes 25 years of service

The Lifeline Express, touted to be the world's first hospital-train, started in 1991 to provide medical aid and relief to far-flung and inaccessible areas, completed 25 years of its operation.

Over 14 lakh LPG connections released under PMUY

Over fourteen lakh LPG connections have been released to the women of BPL families under the Pradhan Mantri Ujjwala Yojana (PMUY). According to the Ministry of Petroleum and Natural Gas, the scheme is currently under operation in 487 districts of 17 states.

Union Cabinet approves facilities extended to persons residing in India on Long Term Visa

The Union Cabinet Chaired by Prime Minister Narendra Modi has extended numerous facilities to persons from minority communities of Afghanistan, Pakistan and Bangladesh namely

Hindus, Buddhists, Jains, Sikhs, Parsis and Christians staying in India on Long Term Visa (LTV).

(Jharkhand) and Gorakhpur (Uttar Pradesh) and Barauni (Bihar) unit of Hindustan Fertilizers Corporation Limited (HFCL).

Centre approves projects involving investment of over 19 crores for Mewat and Sirsa districts of Haryana

The Central Government has approved the projects involving an investment of 19 crores 50 lakh rupees for Mewat and Sirsa districts of Haryana, under Multi-Sectoral Development Programme (MSDP). These districts include Sirsa, Palwal, Mewat, Yamunanagar, Fatehabad and Kaithal.

Union Government notifies Aadhar Act giving UIDAI legal basis

The Union Government has notified the UIDAI (Terms and Conditions of Service of Chairperson and Members) Rules, 2016 to give legal status to Unique Identification Authority of India (UIDAI). These rules have been framed as per provisions of Aadhaar (Targeted Delivery of Financial and Other Subsidies, Benefits and Services) Act, 2016.

Congress announces Sheila Dikshit name as CM candidate for UP Assembly elections

The Congress announced the Senior Congress leader Sheila Dikshit name as the Chief Ministerial candidate by the party for upcoming Uttar Pradesh Assembly elections.

Govt allows SEZ units to import solid plastic waste to recycle

The government has allowed companies located in special economic zones (SEZs) to import solid plastic waste. The Environment Ministry has permitted the import by amending the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

Cabinet approves Official amendment to the Bill for change of name to "Dr. Rajendra Prasad Central Agricultural University"

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi given its ex-post facto approval for the Official amendment to the Rajendra Central Agricultural University Bill, 2015 for change of name from "Rajendra Central Agricultural University" to "Dr. Rajendra Prasad Central Agricultural University".

Cabinet approves revival of defunction Fertilizer Units in Gorakhpur, Sindri and Barauni

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has approved the revival of defunct Fertilizer Units in Gorakhpur, Sindri and Barauni. These include two closed urea units of Fertilizer Corporation India Limited (FCIL) at Sindri

Cabinet allocates Rs 12,000 crore to impart skill training to 1 crore people over next 4 years

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has approved the Pradhan Mantri Kaushal Vikas Yojana (PMKVY) with an outlay of Rs.12000 crore to impart skilling to one crore people over the next 4 years (2016-2020). The PMKVY will impart fresh training to 60 lakh youths and certify skills of 40 lakh persons acquired non-formally under the Recognition of Prior Learning (RPL).

Union Government constitutes cyber cell

The Union Ministry of Women and Child Development (WCD) has constituted a cyber-cell to check the online abuse and harassment of women and children on social media platforms.

Govt rolls out KVK portal for monitoring of farm centres

Agriculture Minister Radha Mohan Singh has launched an online portal designed to monitor functioning of nearly 645 Krishi Vigyan Kendras (KVKs), known as farm-science centres, spread across the country. The KVKs, which have a mandate to assess agri-technology and demonstrate to farmers application and capacity development, are being set up in rural districts. Each KVK has direct interface with at least 1,000 farmers.

Govt approves Rs10,000 crore for skill development plan

The Union cabinet has approved an outlay of Rs.10,000 crore for providing apprenticeship training to over 5 million youngsters in the next 4 years in its quest to create more jobs. This is the biggest monetary reward initiative in the last seven years for skill development in India.

Centre nod for renaming of Mhow railway station after B R Ambedkar

The central government has given its nod for renaming Mhow railway station in Indore district of Madhya Pradesh after BR Ambedkar.

PM Modi's voice to cross international borders as 'Mann Ki Baat' will be aired in Bangladesh

PM Modi radio programme 'Mann Ki Baat' will now also be telecast to Bangladesh. The programme will be translated into Bengali language and will reach Bangladeshi Nationals through Radio channel Maitree.

National mineral exploration policy unveiled

Union minister of steel and mines Narendra Singh Tomar has unveiled the National mineral exploration policy to adopt comprehensive exploration of non-fuel and non-coal mineral resources. The new policy aims to bring together best of knowledge and experience, modern technology, trained manpower and financial resources on a collaborative platform.

Centre to allot Rs 400 Crore for developing airports in UP

The Centre government has released an official statement that it will provide an assistance of 400 crore rupees for developing airports at Agra, Allahabad, Kanpur and Bareilly in Uttar Pradesh.

PM attends martyrdom anniversary of Baba Banda Singh Bahadur

Prime Minister Narendra Modi has attended a commemorative event to mark the 300th Martyrdom Anniversary of Baba Banda Singh Bahadur in New Delhi. On the occasion, Prime Minister Modi has released a book and souvenir on the life of Banda Bahadur. A coin was also released by Finance Minister Arun Jaitley to mark the 300th martyrdom day of Banda Bahadur.

President inaugurates smart village pilot project at Rashtrapati Bhavan

President Pranab Mukherjee has inaugurated a smart model village pilot project at Rashtrapati Bhavan in New Delhi. Initially, this initiative will be implemented in five selected villages in Haryana. The five villages are Daula, Alipur, Harichandpur and Taj Nagar from Gurgaon district and Rojka Meo from Mewat district of Haryana.

RITES supplies 60 broad gauge passenger coaches to Bangladesh Railway

Rail India Technical and Economic Service (RITES), a PSU under rail ministry, has supplied 60 broad gauge passenger coaches (LHB type) to Bangladesh Railway (BR) against a contract agreement of 120 coaches.

Suresh Prabhu flags off maiden train between Sonepat-Jind

Railway Minister Suresh Prabhu has flagged off a maiden train on 81-km railway line between Sonipat and Jind and stressed on the need to create infrastructure to promote growth.

Cabinet approves Rs 5.5 lakh crore mega spectrum auction plan

The Union Cabinet under Chairmanship of Prime Minister Narendra Modi has approved the spectrum auction plan recommended by the department of telecommunication. This will be the biggest spectrum auction ever for Indian telecom

industry and is expected to fetch the government around Rs.5.5 lakh crore.

Suresh Prabhu launches NIVARAN portal

Shri Suresh Prabhakar Prabhu, Minister of Railways has launched "NIVARAN portal", an online system for redressal of service related grievance of serving and former railway employees.

Majuli to become India's first river island district

The meeting, presided by CM Sarbananda Sonowal, resolved to upgrade Majuli to become India's first river island district.

Rajnath Singh inaugurates headquarter of Jharkhand's special anti-Maoist force

Union Home Minister Rajnath Singh inaugurated the newly constructed headquarters of Jharkhand's special anti-Maoist force 'Jharkhand Jaguar' in Jharkhand's capital city Ranchi.

PM Narendra Modi launched Smart city Mission Projects in Pune

Prime Minister Narendra Modi has launched the 'Smart City Mission' involving 83 projects from 20 different cities in the country. It was launched at a function held at Pune's Shiv Chhatrapati Sports Complex.

India is all set to become full member of MTCR

India is all set to join the Missile Technology Control Regime (MTCR) as a full member. The document will be signed by Foreign Secretary S. Jaishankar in the presence of Ambassadors of France, Netherlands and Luxembourg in Seoul, South Korea.

Development of four laning of Hubli-Hospet Section of NH-63 approved by Cabinet

The Cabinet Committee on Economic Affairs (CCEA), chaired by the Prime Minister Narendra Modi, has approved the development of four laning of Hubli-Hospet Section of NH-63 in Karnataka. The cost is estimated to be Rs.2272.20 crore.

Aadhaar to be linked with caste and domicile certificates

The Centre has asked all the states to link Aadhaar card of school students to their caste and domicile certificate. Under the first-of-its-kind initiative, the states have been asked to ensure that such certificates are issued within 60 days time to the students when they are studying either in Class V or VIII.

Railway minister flags off Danapur-Saharsa Janhit Express

Railway Minister Suresh Prabhu has flagged off a new train service between Danapur and Saharsa in Bihar through video-

conferencing at Rail Bhawan in New Delhi with an aim to connect every region of the country with the rail network.

STATES IN NEWS

Odisha govt to celebrate bicentenary of 1817 Paika revolt next year

Odisha government will celebrate next year the bicentenary of the 1817 Paika revolt, which many historians claim to be the first war of India's Independence..

Kerala Assembly passes amendment bill

The Kerala Assembly passed Legislative Assembly (Removal of Disqualifications) Amendment Bill, paving way for appointment of CPI-M veteran V S Achuthanandan as chairman of the Administrative Reforms Commission.

'Ramayana month' begins in Kerala

The annual Ramayana Month (16 July) began in Kerala, with temples and Hindu houses across the state resonating with the chanting of the epic Ramayana. The Ramayana Month starts with the commencement of Malayalam month 'Karkidakam'.

Delhi CM launches live interactive programme TalkToAK

Delhi Chief Minister Arvind Kejriwal has launched a live interactive programme, titled 'TalkToAK', aimed at directly engaging with the Delhiites, where people from across the country can ask him questions over the phone, by sending text messages and through social media.

Pema Khandu sworn in as Chief Minister of Arunachal Pradesh

Pema Khandu has sworn in as the ninth Chief Minister of Arunachal Pradesh while Chowna Mein has sworn in as the Deputy Chief Minister. With this, Mr. Khandu became the youngest Chief Minister in the country.

Kerala launches online incubator for student start-ups

Kerala Chief Minister Pinarayi Vijayan has launched SV.CO, purportedly world's first digital student incubator, as a digital makeover of the Startup Village in Kochi.

MP Cabinet approves setting up of Happiness Department in state

In Madhya Pradesh, the CM Shivraj cabinet has given its nod to set up Happiness Department in the state. This department will work as knowledge resource centre on the subject of happiness.

With this, Madhya Pradesh is the first state of the country to set up such a Department.

Country's first industrial park for women

The country's first of its kind industrial park, exclusively for women entrepreneurs, was launched by Uttarakhand Chief Minister Harish Rawat at the Federation House.

Maharashtra CM launches virtual, digital classrooms across 32 ITIs in state

Maharashtra Chief Minister Devendra Fadnavis has launched the facility of virtual and digital classrooms across 32 ITIs in the state on the occasion of World Youth Skills Day. According to him, the facility of virtual classrooms will bridge the urban-rural divide and open the doors of knowledge.

West Bengal govt. sets target to construct toilets across all villages of the state by March 2019

The West Bengal government has set a target to construct toilets across all villages of the state by March 2019 to enable open defecation free (ODF) rural Bengal.

Maharashtra Police launches 4 apps

Maharashtra police has launched four mobile apps for timely intervention into emergency situations. The four applications Pratisaad Ask, Police Mitra, Vahanchoritakrar and Railway helpline app were launched by Chief Minister Devendra Fadnavis in Nagpur.

Kerala Government imposes 14.5 per cent fat tax on Junk Food

The Kerala government has announced its decision to impose 14.5 per cent tax on junk food on the lines of 'Fat Tax' imposed on such food items. This will make food items like burgers, pizzas, pasta costlier.

Second phase of Haritha Haram programme launched

The second phase of Haritha Haram programme of Telangana government has launched. The Haritha Haram programme aimed to plant 46 crore plants to improve green belt.

Cabinet approves redevelopment of 7 govt colonies in Delhi

Union Cabinet chaired by PM Narendra Modi has approved redevelopment of seven General Pool Residential Accommodation (GPRA) colonies in New Delhi at total estimated cost of Rs 32,835 crores. The redevelopment will take place in Sarojini Nagar, Netaji Nagar, Nauroji Nagar through National Buildings Construction Corporation Limited (NBCC), while

Kasturba Nagar, Thyagraj Nagar, Srinivaspuri and Mohammadpur will be redeveloped through Central Public Works Department (CPWD).

Deepak Singhal takes charge as the Chief Secretary of UP

Principal Secretary Irrigation Deepak Singhal has been appointed the new Chief Secretary of Uttar Pradesh. He has replaced Alok Ranjan.

Rajasthan becomes first state to introduce minimum wages for part time workers

Rajasthan has become the first state in the country to introduce minimum wages for part-time workers. It is now mandatory to pay 50 per cent of the prescribed a day minimum wage to a person who works for less than four hours in a day.

Film festival on wildlife held in Shimla

A three-day Woodpecker Environment and Wildlife Film Festival held at historic Gaiety Theatre in Shimla. The festival is being organized by WWF-India in collaboration with CMSR foundation, Delhi.

World famous Rath Yatra of Lord Jagannath begins

The world famous Rath Yatra or chariot festival of Lord Jagannath has begun in Puri, Odisha as well as in different parts of the country. Rath Yatra marks is an annual celebration of the journey of Lord Jagannath, his brother Lord Balbhadra and sister Subhadra to the Gundicha temple.

India's first Commercial Disputes Resolution Centre open in Chattisgarh

Country's first Commercial Court and Commercial Disputes Resolution Centre has been inaugurated at Naya Raipur area of the city, Raipur, the capital of Chhattisgarh.

Kerala Government to ban E-Cigarettes

Kerala government has decided to ban 'electronic cigarette' in view of studies claiming that its use can cause various health issues, including cancer and heart ailments. With this, Kerala becomes second state in India to ban e-cigarette.

Meghalaya's First Fully Solar-Powered College Gets State Recognition

In a first for the state of Meghalaya, Loyola College in Williamnagar in Meghalaya's East Garo Hills has set a benchmark for itself by becoming a fully solar-powered institution.

UP declares all natural calamities as state disaster

Uttar Pradesh government led by Akhilesh Yadav has declared that all natural calamities including unseasonal heavy rain, lightning, Loo and storm etc will be treated as state disaster.

Bill for indirect election of mayors passed by Tamil Nadu Assembly

Tamil Nadu Assembly passed through a headcount the Bill to conduct indirect election of Mayors. The Tamil Nadu Municipal Corporation Laws (Amendment) Bill, 2016 seeks to ensure election of Mayors by councillors and not by the people directly.

Maharashtra target of planting 2 crore trees in state crossed

Maharashtra government started an initiative for plantation of about 2 crores trees. The initiative was flagged off by Maharashtra CM Devendra Fadnavis along with Finance and Forest Minister Sudhir Mungantiwar.

AP govt inks deal for Rs 10,000 crore gas-based fertilizer project

The Andhra Pradesh government has signed a memorandum of understanding (MOU) with a three-nation consortium of China Huanqin Contracting and Engineering Corporation, LEPL Ventures Private Limited and Isomerik Holdings to set up a gas-based fertilizer project at Krishnapatanam with an investment of Rs 10,183 crore.

Assam's famous Kamakhya Temple receives an aid Rs. 25 crore

For the development of Kamakhya temple's infrastructure, Union petroleum minister Dharmendra Pradhan announced an aid of Rs 25 crore over the next couple of years.

Odisha approves 500 new gram panchayats

Odisha government has approved a proposal of the Panchayati Raj department to add 500 new gram panchayats before the 2017 three-tier panchayat polls. The state presently has 6,211 panchayats.

Nagaland Governor launches women's helpline '181'

Governor of Nagaland and Assam P B Acharya has launched women helpline - 181 in the premises of District Hospital Dimapur in Nagaland and also inaugurated Sakhi, a one stop Centre, intended to support women affected by violence both in private and public spaces under one roof.

BANKS IN NEWS

Govt allocates Rs 22,915 cr capital to 13 PSU banks for FY17

The Narendra Modi government has allocated Rs 22,915 crore capital to meet the capitalization needs of 13 Public Sector Banks (PSBs) in the current fiscal. This is in line with its Indradhanush initiative, aimed at restoring banking sector health. The maximum capital infusion will be for State Bank of India (SBI) at Rs 7,575 crore and the least for Allahabad Bank at Rs 44 crore.

RBI asks banks to exchange upto 20 soiled notes free of charge

The Reserve Bank of India has asked banks to exchange up to 20 pieces of soiled currency notes with a maximum value of Rs. 5,000 over the counter free of charge in an effort to improve customer service. However, if the number of notes to be exchanged is more than 20, banks can levy the service charge.

RBI sets up an Inter-regulatory Working Group on Fin Tech and Digital Banking

The Reserve Bank of India (RBI) has constituted an inter-regulatory Working Group (WG) to study the entire gamut of regulatory issues relating to Financial Technology and Digital Banking in India. It will be headed by Sudarshan Sen.

IDFC Bank acquires Grama Vidiyal

IDFC Bank (Infrastructure Development Finance Company) has announced it had acquired Tamil Nadu-headquartered microfinance institution Grama Vidiyal in an all-cash deal.

SBI Card launches premium credit card 'Elite'

SBI Cards and Payment Services (SBI Card), the third-largest card issuer by number has launched a premium credit card 'Elite'. The 'Elite' card is launched on the Master Card World platform which is enabled with NFC (Near Field Communication) technology.

State Bank of India launches 3 new digital offerings

State Bank of India launched 3 new digital offerings on the occasion of 61st State Bank Day 1st July. SBI has partnered with Flipkart to offer its consumers the facility of pre-approved EMI Facility on purchases. Under this partnership SBI will provide overdraft facility to pre-qualified set of customers for transacting on Flipkart for a minimum purchase of Rs. 5000. The bank launched 'SBI Mingle' - its social media banking platform for Facebook and Twitter users. Using SBI Mingle, its customers can do a host of banking services like checking balance and requesting mini statements on their Facebook or Twitter accounts. It also launched its new initiative SBI Digital

Villages aimed at transforming villages into cash less eco-system by adopting them.

RIL, SBI sign shareholder agreement for payments bank JV

India's largest lender State Bank of India (SBI) and Telecom-to-energy conglomerate Reliance Industries (RIL) have signed a subscription and shareholders agreement to set up payments bank joint venture. As per this agreement, RIL will work as the promoter and will also contribute to 70 % equity while SBI will have 30 per cent equity contribution.

Axis Bank opens innovation lab

Axis Bank Limited is the 3rd largest private sector bank in India has launched an innovation lab to smooth start-ups and announced that it will create a dedicated fund to invest in these new-age companies that would benefit its business. The bank launched the 10,000 sq ft lab at Bengaluru.

World Bank approves \$63 million for Tejaswini Project in Jharkhand

The World Bank Board has approved the 63 million US dollar project, Tejaswini: Socioeconomic Empowerment of Adolescent Girls and Young Women in Jharkhand. Tejaswini is the first World Bank project in India that is solely focused on the welfare of adolescent girls and young women.

RBI releases framework on payments systems

Reserve Bank of India (RBI) has released its much awaited 'Vision-2018' document. The 'Payment and Settlement Systems in India: Vision-2018' aims at building best of class payment and settlement systems for a 'less-cash' India and ensuring access to mobile banking services to even basic phone users.

SBI named in Hall Of Shame list of Banks funding Cluster Bomb Makers

The State Bank of India (SBI) was named in the Hall of Shame list of 158 banking institutions that have invested billions of dollars in companies making cluster bombs. The list was prepared by Dutch campaign group PAX Worldwide Investments in Cluster Munitions report.

South India Bank launches Remit2India Service

South Indian Bank Limited is a private sector bank headquartered at Thrissur City in Kerala, has announced the launch of its Remit2India Service. It is a secure online money transfer service for NRIs.

ECONOMY NEWS

Government releases Rs 100 cr towards co-contribution in Atal Pension Yojana

The government has released Rs 100 crore towards its co-contribution for Atal Pension Yojana for 2015-16. Under the scheme, individuals who have registered before March 31, 2016, will get a co-contribution from the government, which will be 50% of the subscriber contribution up to a maximum of Rs 1,000. The co-contribution will be for 5 years from 2015-16 to 2019-20.

Rs. 28,000 cr released under MGNREGA

The Centre has released more than Rs. 28,000 crore so far this year to States under MGNREGA to clear the last year's liabilities and for running the programme in the ongoing year.

Commerce Ministry starts e-marketplace for goods procurement

The Commerce Ministry has launched an e-marketplace for online purchase of goods and services by various central government ministries and departments which aimed at bringing in more transparency and streamlining the government procurement of goods and services.

Govt. revises time schedule for making payments under IDS 2016

The Government has revised the time schedule for making payments under Income Declaration Scheme 2016. As per the revised schedule, a minimum amount of 25 percent of the tax, surcharge and penalty can be paid by 30th of November this year and a further amount of 25 percent by 31st of March next year.

BSE introduces 'Paperless SIP'

Leading stock exchange BSE is introducing 'Paperless SIP' (systematic investment plans) that would allow mutual fund investors to make transactions through various modes of payments. The additional feature on BSE's mutual fund platform - StAR MF - would allow MF distributors to register SIPs for their clients, who can pay SIP amounts through various modes.

Dumping duty imposed on PTA imports from 5 countries

Finance Ministry has imposed definitive anti-dumping duty on purified terephthalic acid (PTA) imports from China, Iran, Taiwan, Indonesia and Malaysia.

BUSINESS NEWS

Govt approves incorporation of Sagarmala Development Company under Companies Act

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has approved the incorporation of Sagarmala Development Company (SDC) under the Companies Act, 2013 with an initial authorized share capital of 1 thousand crore rupees and a subscribed share capital of Rs. 90 Crore.

Ford to invest Rs. 1,300 cr in Chennai tech centre

American multinational automaker Ford has indicated that it would be investing Rs. 1,300 crore in its new global technology and R&D campus near Chennai, which will be up and running by the first quarter of 2019.

Paytm ties up with grocery retailer Heritage Fresh

Mobile payment and commerce platform Paytm has entered into a strategic alliance with Hyderabad-based grocery retailer Heritage Fresh as Paytm aims to provide more and more users the convenience and safety of cashless transactions.

Dabur acquires South African cosmetic firm Discaria Trading

Homegrown FMCG major Dabur stated that it has acquired South Africa-based Discaria Trading (PTY) Ltd for an undisclosed amount.

Sovereign Gold Bond scheme opened for subscription

The fourth tranche of the Sovereign Gold Bonds scheme has opened for subscription through which the government aims to attract a large number of investors to curb the demand for physical gold that is imported in large quantities draining the country's foreign exchange.

Coimbatore-based Air Carnival commences operations

Low cost airline with pink and white themed Air Carnival has launched its operations with its maiden flight from Coimbatore to Chennai. The airline, which is based in Coimbatore, will focus on short-haul services with ATR72-500 aircraft.

SoftBank to buy UK chip designer ARM for around \$32 billion

UK based chip designer firm, ARM Holdings PLC has confirmed that it agreed to buyout offer for around \$32 billion by Japan's SoftBank Group Corp, marking a significant push for the Japanese telecommunications giant into the mobile internet.

Dabur and DRDO unit tie up for high altitude medicinal plants

Dabur tied up with the Defence Research and Development Organisation (DRDO's) unit Defense Institute of High Altitude Research (DIHAR), Leh, to promote sustainable cultivation of high-altitude medicinal plants in Ladakh.

Terrapin acquires Yatra Online for \$218 mn

The Indian travel agency Yatra Online emerged as the fastest growing consumer travel platforms and online travel agents in India with more than 4 million customers has been entered into a merger agreement with a Nasdaq-listed special purpose acquisition firm Terrapin 3 Acquisition Corp (TRTL).

BHEL commissions 250 MW power plant in Gujarat

State-run BHEL has commissioned another 250 MW unit based on eco-friendly Circulating Fluidised Bed Combustion (CFBC) technology, using low-quality coal (lignite) as the primary fuel. The unit has been commissioned at Bhavnagar Energy Company (BECL) 2x250 MW thermal power project, located at Padva village in Bhavnagar district, Gujarat.

Mynta acquires content aggregation start-up Cubeit

Fashion e-tailer Mynta Designs Pvt. Ltd has acquired Bangalore-based Cubeit, a start-up that facilitates content aggregation on mobile devices.

Mahindra Aerostructures bags supply contract from Airbus

European aviation major Airbus Helicopters has awarded a contract to Mahindra Aerostructures to supply airframe parts for its AS565 MBe Panther copter.

Lafarge to sell India assets to Nirma for \$1.4 billion

Lafarge-Holcim has entered into an agreement with Nirma Ltd to sell its entire 100% holding in cement maker Lafarge India for an enterprise value of \$1.4 billion.

DoT clears Rs 3,500 cr Airtel-Aircel 4G deal

Telecom Ministry is believed to have cleared the Rs 3,500-crore 4G spectrum trading deal between service providers Bharti Airtel and Aircel.

West Bengal to set up three biotechnology hubs

The West Bengal Government has taken up a project to set up three biotechnology hubs across the state to bring in more biotechnology innovations to the State. The three proposed biotechnology hubs will come in Bardhaman, Kalimpong and Medinipur districts.

Google has acquired Paris-based startup Moodstocks

The search engine giant, Google has acquired Moodstocks, a Paris-based startup that specializes in smartphone image recognition as part of its continued efforts to boost its own artificial intelligence (AI) research, development, and capabilities.

Nasscom unveils India's first IoT-focused centre

National Association of Software and Services Companies (Nasscom) has unveiled India's first centre of excellence focused on Internet of Things (CoE- IoT) at its Startup Warehouse in Bengaluru which is inaugurated by Mr. Ravi Shankar Prasad, Union Minister for Electronics, IT, Law & Justice.

TRAI launches Myspeed App to measure real time mobile internet speed that customers get

The Telecom Regulatory Authority of India (TRAI) has launched a mobile application called 'MySpeed' for measuring real-time mobile Internet speed that consumers get. This is the first application to be launched under the Digital India initiative.

Aditya Birla Fashion acquires global clothing brand Forever 21

Aditya Birla Fashion and Retail (ABFRL) has acquired global clothing brand Forever 21 in the Indian market for 26 million US dollars (around Rs 175.52 crore).

Jawaharlal Nehru Port becomes India's first port to implement Logistics Data Tagging of Containers

Jawaharlal Nehru Port Trust (JNPT) has become India's first port to implement logistics data tagging of containers to track cargo. The logistics data bank tagging of containers, a first of its kind facility, will help importers and exporters track their goods in transit.

BHEL commissions two hydel units in Afghanistan

State-run Bharat Heavy Electricals Ltd (BHEL) has commissioned two units of 14 Megawatts each at Salma Hydro Electric Project in Afghanistan. The Salma dam, or the Afghan-India Friendship dam, was inaugurated by Prime Minister Narendra Modi in the presence of Afghan President Ashraf Ghani.

Coca Cola to set up plant in Uttarakhand's Sitarganj

Coca-Cola Company will set up a bottling plant in Sitarganj in 70 acres of land to be provided by the Uttarakhand government after the beverage giant had to cancel its plan to establish a unit at Chharba village in the state on environmental grounds.

AGREEMENTS/MOU SIGNED

NITI Aayog & Intel India Sign SOI to Kick-off Atal Tinkering Lab Initiative for Young Innovators

NITI Aayog and Intel India sign Statement of Intent (SOI) to start Atal Tinkering Laboratories (ATL) Initiative for Young Innovators as a part of its flagship programme the Atal Innovation Mission (AIM).

India, US agree to enhance cooperation on hydrocarbons, energy

The Minister of State (I/C) for Petroleum and Natural Gas Dharmendra Pradhan and US Secretary for Energy Ernest Moniz have agreed to enhance technical and institutional cooperation specific to hydrocarbons and energy.

CBDT signs 7 advance pricing agreements to cut tax litigation with Indian taxpayers

The Central Board of Direct Taxes (CBDT) has signed seven Unilateral Advance Pricing Agreements (APAs) with Indian taxpayers in a moving design to reduce tax litigation. With this, the total number of APAs has reached to 77.

Tata Advanced Systems signs deal with Bell Helicopter

Tata Advanced System (TASL) and Bell Helicopter, a Textron Company have signed an agreement to work together in support of India's aviation and defense modernization initiatives.

India, ADB sign 100 Million USD loan agreement for Cauvery Delta project in Tamil Nadu

Union Government and the Asian Development Bank (ADB) have signed a 100 million US dollars loan agreement to strengthen key irrigation and drainage system and improve water management in the Vennar sub-basin of the Cauvery delta in Tamil Nadu.

Maharshi Dayanand University signs MoU for collaborative studies with GVF

Pact with Tanzania on traditional medicine cleared

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has approved signing of a Memorandum of Understanding (MoU) between India and Tanzania in the field of Traditional Systems of Medicine and Homeopathy. The MoU will provide structured frame work for the cooperation for the promotion and propagation of Indian Traditional Systems of Medicine & Homeopathy in Tanzania.

HAL, Safran to set up support centre in India for helicopters

Hindustan Aeronautics Ltd (HAL) and French firm Safran Helicopter Engines have agreed to establish a support centre in India for national and international rotorcraft customers.

Pokhara-New Delhi direct bus service launched

The first direct bus service between New Delhi and Nepal's famous tourist spot Pokhara has been launched to connect South Asia's two important cities.

Bihar signs MoU with Bangkok firm for disaster risk reduction

Bihar government signed a MoU with Bangkok-based Asian Disaster Preparedness Centre (ADPC) to implement the Roadmap for Disaster Risk Reduction in Bihar (2015-30). The move will help reduce disaster risk management in the state.

Karnataka trade body inks pact with Sanya City

The Karnataka Region Economic and Trade Organisation (KRETO) and the Sanya People Municipal Government, China, signed a memorandum of understanding (MoU) to foster trade between Sanya City and Karnataka.

Bangladesh, India sign Rampal power plant construction agreement

Bangladesh and India has signed a landmark deal for the construction of a 1,320 megawatt coal fired power plant, the biggest project under bilateral cooperation that would mark the transition from electricity export to generation level.

SBI signs MoU with IIT Bombay to promote startups

India's top public sector bank, State Bank of India (SBI), has signed a memorandum of understanding (MoU) with the Indian Institute of Technology Society for Innovation and Entrepreneurship (SINE), (IIT) Bombay's technology business incubator, to promote innovation by startups in the financial sector.

Cyprus set to sign the new tax treaty with India

India and Cyprus have agreed to revise their tax treaty under which capital gains tax will be levied on the sale of shares of investments made after April 1, 2017.

SBI sign US \$625 mn agreement with World Bank for solar power

State Bank of India (SBI) and the World Bank have inked agreements for a \$625 million (around Rs 4,200 crore) facility to

support grid-connected rooftop solar programme (GRPV) in the country. With the help of this initiative, at least 400 megawatt (Mw) solar capacity will be created across the country.

Flipkart ties up with Royal Enfield to accessories

E-commerce major Flipkart and Niche bike maker Royal Enfield have entered into the collaboration where Flipkart will sell the complete range of accessories of Royal Enfield.

ICMR signs agreement to provide healthcare through solar based solutions

The Indian Council of Medical Research (ICMR) has signed MoU with the Council on Energy, Environment and Water (CEEW), a policy research institution, to launch a new 'Initiative on Solar for Healthcare'.

Maharashtra, Tata Power to ink pact for 1,000 MW for Mumbai

The Maharashtra government is reportedly planning to sign a memorandum of understanding (MoU) with Tata Power for sourcing 1,000 MW from the upcoming Dherand Thermal Project.

World Bank, ISA sign agreement for collaboration in solar energy

The World Bank Group (WBG) is an international financial institution, has signed an agreement with the International Solar Alliance (ISA), to collaborate on increasing solar energy use around the world with the goal of mobilising \$1 trillion in investments by 2030.

Union Cabinet approved MoU between UPSC and Royal Civil Service Commission of Bhutan

The Union Cabinet has approved the signing of a Memorandum of Understanding (MoU) between Union Public Service Commission (UPSC) and Royal Civil Service Commission (RCSC). The MoU will facilitate sharing of experience and expertise of both the parties in the area of recruitment.

Union Cabinet approves MoU between India and Tanzania in the field of water resources

The Union Cabinet has approved signing of a Memorandum of Understanding (MoU) between India and Tanzania for bilateral cooperation in water resources management and development. Under this MoU, the areas of enhanced cooperation include techniques in water harvesting, groundwater and surface management and development and aquifer recharge.

Amul signs up as official sponsor of Indian team to the Olympics

India's leading food products company Amul has signed up as the official sponsor for the Indian contingent to the Rio Olympics 2016. The company will launch a series of advertising campaigns for milk and other dairy products to promote this association.

FSSAI signs MoU with ASCI

Food Safety and Standards Authority of India (FSSAI) and the Advertising Standards Council of India (ASCI) signed MoU with each other to put check on the issues of misleading as well as uncorroborated advertisements in the food & beverage sector.

Andhra Pradesh joins UDAY scheme

Under the scheme of UDAY (Ujwal DISCOM Assurance Yojana), Andhra Pradesh State govt, Central govt and DISCOMs of Andhra Pradesh signed a Memorandum of Understanding (MOU) in Vijayawada for financial turnaround of the DISCOMs.

India, Switzerland ink MoU to enhance cooperation in skill development

India and Switzerland have signed a Memorandum of Understanding (MoU) to establish formal cooperation in the fields of skills development and vocational and professional education and training.

Colombia government, FARC rebels sign ceasefire

The Colombian government and FARC guerrillas have declared the final day of one of the world's oldest wars with the signing of a ceasefire agreement to end more than 50 years of bloodshed. The signing ceremony held at Havana was witnessed by Colombian president Juan Manuel Santos, FARC chief Timoleón Timochenko Jiménez.

Union Cabinet approves MoU between India and Germany

The Union Cabinet has approved the signing of a Memorandum of Understanding (MoU) with Steinbeis GmbH Co. KG, Germany for technology transfer and resourcing in manufacturing, including sub-sectors of Capital Goods.

South Delhi Municipal Corporation signed MoU with SECI to install solar panels

Aiming to generate solar power through rooftops of buildings and spare land under South Delhi Municipal Corporation, the civic body has inked an MoU with Solar Energy Corporation of India (SECI). The memorandum of understanding (MoU) engaged SECI, a central public sector undertaking under Ministry of New

and Renewable Energy, for setting up solar power plants on the rooftops of the buildings and land owned by SDMC.

Union Cabinet approves pact for the avoidance of double taxation with Belgium

The Union Cabinet has given its approval to the signing of a Protocol amending the Agreement between India and Belgium for the avoidance of double taxation ((DTAA) and prevention of fiscal evasion with respect to taxes on income.

COMMITTEES

The GOI constitute a Committee to examine desirability and feasibility of new FY

The Finance Ministry of Government of India has constituted a four members committee to examine the feasibility and desirability of having a new financial year. The Committee will be headed by Dr. Shankar Acharya (former Chief Economic Adviser).

SIT on black money recommends ban on cash transactions above 3 lakh rupees

The Special Investigation Team (SIT) on black money has recommended the ban on cash transactions of above 3 lakh rupees in a day and a separate law to declare such transactions as illegal and punishable. The SIT headed by retired Justice M B Shah submitted its fifth report to the Supreme Court.

Arvind Subramanian panel constituted to tackle pulses shortage

Union Government constituted a high-level committee to review the minimum support price (MSP) and bonus for pulses. The committee will be headed by Chief Economic Adviser Arvind Subramanian.

NEW APPOINTMENTS

Sarvita Sethi appointed Coca-Cola VP-Finance for India and South West Asia

Beverages major Coca-Cola has appointed Sarvita Sethi as the new Vice-President-Finance for India and South West Asia. Sethi takes over from Sanjeev Kumar.

Russian PM suspends sports minister

Russian Prime Minister Dmitry Medvedev has suspended Deputy Sports Minister Yury Nagornykh, who was named in a report on the doping of Russian athletes at the 2014 Sochi Olympics.

Steve Elworthy appointed as the Managing Director of 2019 World Cup

The International Cricket Council (ICC) and the England and Wales Cricket Board (ECB) jointly announced that Steve Elworthy had been appointed as Managing Director of the ICC Cricket World Cup, which will be held in England and Wales in 2019.

Western Union appoints Sohini Rajola as new Vice-President

International remittance company Western Union appointed Sohini Rajola as Regional Vice President, India and South Asia. Rajola will be responsible for managing and developing the Western Union business across India, Sri Lanka, Nepal, Bangladesh, Maldives and Bhutan.

Sidhu resigns as Rajya Sabha MP

Navjot Singh Sidhu, former Indian cricketer and Member of Parliament has resigned from his Rajya Sabha seat on the first day of the Monsoon Session. Sidhu's resignation was accepted with immediate effect by Rajya Sabha Chairman Hamid Ansari.

World Bank Group appoints Paul Romer as Chief Economist

World Bank Group President Jim Yong Kim has appointed Paul Romer as World Bank Chief Economist with effect from September 2016. He will succeed Kaushik Basu as Chief Economist and Senior Vice-President of the World Bank.

Turnbull sworn in as Australia's PM

Malcolm Turnbull was sworn in for another term as Australia's prime minister, after a narrow election victory with budget repair and a public vote on same sex marriage among his top priorities.

Odisha-born bureaucrat appointed chairman of AAI

An Odisha-born bureaucrat has been appointed the chairman of Airports Authority of India (AAI). Guruprasad Mohapatra, a 1986 batch Gujarat cadre IAS officer

Mohamed Asim, new Foreign Minister of Maldives

Senior diplomat Mohamed Asim, till recently Maldives' High Commissioner to Bangladesh, has been appointed Minister of Foreign Affairs.

Rajesh Kumar Chaturvedi appointed CBSE Chairman

The government has appointed a 1987- batch IAS officer Rajesh Kumar Chaturvedi Chairman of the Central Board of Secondary Education (CBSE) for a 5 year term.

Indian-American Dr. Kinshuk named US university Dean

An Indian-American professor with a diverse set of academic experience in the field of science and technology has been named the dean of a leading U.S. university. Dr. Kinshuk, who goes by single name, has been named the Dean of University of North Texas College of Information in the U.S.

Theresa May takes over as Britain's Brexit PM, appoints Boris Johnson as Foreign Secretary

British politician, Theresa May became Prime Minister of United Kingdom (UK) after meeting Queen Elizabeth II. She succeeds David Cameron, who had resigned in the wake of Brexit referendum.

Ashok Patnaik appointed new National Intelligence Grid chief

Senior IPS officer Ashok Patnaik was appointed CEO of the National Intelligence Grid (NATGRID), One of the most ambitious intelligence projects that failed to take off during United Progressive Alliance (UPA) rule.

Murthy new CMD of Jute Corporation

K V R Murthy has taken over as chairman-cum-managing director of the Jute Corporation of India Limited. His appointment is for a period of five years or till the date of his superannuation.

Najma Heptulla, G M Siddeshwara quit Modi Cabinet

Union ministers Najma Heptulla and GM Siddeshwara resigned. Dr Heptulla, the Minority Affairs Minister, was replaced by Minister of State Mukhtar Abbas Naqvi. The portfolio held by Mr Siddeshwara - junior minister for Heavy Industries - will be taken over by Babul Supriyo.

D Rajkumar appointed CMD of BPCL; Utpal Bora to head Oil India

D Rajkumar and Utpal Bora have been appointed as Chairman and Managing Director (CMD) of Bharat Petroleum Corporation Ltd (BPCL) and Oil India Ltd, respectively.

HDFC Bank's Aditya Puri named best banking CEO in Asia

Aditya Puri, the chief executive and managing director (MD) of the second largest private sector lender HDFC Bank, has been ranked as the best banking CEO in Asia by the investor community. The bank's chief financial officer Sashi Jagdishan has been ranked as the best CFO.

Nepal's first woman chief justice sworn in

Justice Sushila Karki took charge as the first woman chief justice

of Nepal's Supreme Court, after her name was endorsed by a parliamentary panel.

Tathagata Roy sworn in as Arunachal Governor

Tripura Governor Tathagata Roy was sworn in as the acting Governor of Arunachal Pradesh. He has been given the additional charge of Governor of Arunachal Pradesh during the leave of absence of incumbent Governor Jyoti Prasad Rajkhowa.

Sanjay Gupta named CMD of Konkan Railway

Sanjay Gupta has been appointed as Chairman and Managing Director (CMD) of Konkan Railway Corporation Ltd (KRCL).

Chief Operating Officer of Microsoft Kelvin Turner has resigned, to join Citadel Securities

Kevin Turner has resigned as the Chief Operating Officer (COO) of Microsoft. Kelvin was handling Microsoft's enormous sales operations. He had been at Microsoft for 11 years.

Phiroz Vandrevala steps down as TCS director

The country's largest IT services firm Tata Consultancy Services stated that its non-Executive Director Phiroz Vandrevala has resigned from the company.

S K Kohli appointed as the chief defence accounts auditor

Senior bureaucrat S K Kohli has been appointed as the Controller General of Defence Accounts (CGDA). His appointment has been approved by the Appointments Committee of Cabinet.

Nimbalkar re-elected as the Maharashtra Council Chairman

Senior NCP leader Ramraje Naik Nimbalkar has been re-elected as the Chairman of Maharashtra Legislative Council.

Taro Pharma CEO Kal Sundaram has stepped down

Taro Pharmaceutical Industries Ltd. has announced that its CEO, Mr. Kal Sundaram, has stepped down.

Vishal Kapoor to be the new CEO of IDFC MF

IDFC Mutual Fund has announced the appointment of Mr. Vishal Kapoor as its chief executive officer. He will take charge of his new position from September this year.

Srini Gopalan quits Bharti Airtel and going to join Deutsche Telekom

Consumer business director of Bharti Airtel Mr. Srini Gopalan has quit the company and is all set to join Deutsche Telekom from October 1st as a member of new board management for

Europe business.

TripAdvisor appoints Gary Fritz President Asia Pacific

Travel planning and booking site TripAdvisor has appointed Gary Fritz as its Chief Growth Officer and President of the Asia-Pacific region.

R Thiruppathi Venkatasamy appointed as the Accountant General of Tamil Nadu

R Thiruppathi Venkatasamy has been appointed as the Accountant General of Economic and Revenue Sector Audit of Tamil Nadu with immediate effect.

Former Nokia executive Tejinder Kalra joins Indus Towers as COO

Indus Towers has appointed Tejinder Kalra as the Chief Operating Officer of the company. Kalra joins Indus Towers from Nokia.

Sudarshan Sen appointed as the Executive Director of RBI

Sudarshan Sen has been appointed as the Executive Director of the Reserve Bank of India (RBI). He will replace NS Vishwanathan who was elevated as Deputy Governor of RBI.

Madhav Dhekane took over as Director of ISRO Inertial Systems Unit

Noted scientist Madhav Dhekane has assumed the office of Director at ISRO Inertial Systems Unit (IISU), Department of Space, at Vattiyoorakavu in Thiruvananthapuram, Kerala.

K B Koliwad elected as Speaker of Karnataka Legislative Assembly

Mr. K B Koliwad has unanimously elected as the Speaker of Karnataka Legislative Assembly.

New chiefs appointed for FICCI Telangana, AP councils

Industry body Federation of Indian Chambers of Commerce & Industry (FICCI) has appointed new chairpersons for its Telangana and AP State Councils. Devendra Surana designated as the Chairman, FICCI Telangana State Council. M Prabhakar Rao, CMD, NSL Group, will be Chairman, FICCI Andhra Pradesh State Council.

D K Hota takes over as BEML's CMD

D K Hota has been appointed as Chairman & Managing Director (CMD) of Bharat Earth Movers Ltd. (BEML).

Rodrigo Duterte sworn-in as new Philippine President

After a landslide election victory in May, Rodrigo Duterte was sworn in as the 16th president of the Philippines and promised to make sweeping changes to the country's political system.

Suzuki Motor appoints scion as CEO to rebuild after testing scandal

Suzuki Motor Corp has appointed Toshihiro Suzuki, son of Chairman Osamu Suzuki, as its next chief executive effective the same day, as the Japanese automaker attempts to recover from a vehicle testing scandal.

Malaysia gets 2 women Shariah HC judges

Two women have been appointed as judges of Malaysia's Islamic Shariah High Court for the first time in the history of the judiciary of the Muslim-majority country. Noor Huda Roslan, 40, and Nenney Shuhaidah Shamsuddin, 41, received their official letters of appointment from Selangors Sultan Sharafuddin Idris Shah during a ceremony at the Istana Bukit Kayangan.

V Sasi elected Deputy Speaker in Kerala

V Sasi of the CPI (M), representing the Chirayinkeezh constituency, has been elected the Deputy Speaker of the 14th Kerala Legislative Assembly.

Nestle named Ulf Mark Schneider as CEO

Food and Beverage multinational Nestle SA named Ulf Mark Schneider as its next Chief Executive Officer (CEO). He is the CEO of Fresenius, a Germany-based healthcare company.

N S Vishwanathan appointed as the new deputy governor of RBI

The Appointments Committee of the Cabinet (ACC) has cleared the appointment of NS Vishwanathan as the Deputy Governor of the Reserve Bank of India (RBI).

Sujoy Bose appointed as the CEO of NIIF

The Union government has appointed Mr. Sujoy Bose as the Chief Executive Officer of National Investment and Infrastructure Fund (NIIF) Ltd.

N. Srinivasan unanimously re-elected as TNCA president

Former BCCI president N. Srinivasan was re-elected unanimously as the Tamil Nadu Cricket Association (TNCA) chief at the 86th Annual General Meeting in Chennai.

Nokia appoints Sanjay Malik India head

Nokia has announced the appointment of Sanjay Malik as the

head of Indian market, effective August 1. Malik is currently Head of Network Implementation (NI) at Nokia Global Services.

Indian-origin lawyer Yasmin Sooka to chair UN commission, South Sudan

South African Indian-origin lawyer Yasmin Sooka has been appointed to chairman of three-member UN commission (committee) to monitor the human rights situation in South Sudan. The committee was constituted by the United Nations Human Right Council (UNHRC).

LIC chairman S K Roy resigns two years before his term ends

S.K. Roy, the head of state-run Life Insurance Corp (LIC), the biggest single investor in the country, has tendered his resignation two years before his term was due to end.

Syria's Assad appoints new prime minister

Syrian President Bashar al-Assad has named electricity minister Imad Khamis as the new prime minister of the war-ravaged country. Mr. Assad tasked Mr. Khamis with forming a new government.

M S Dhoni becomes brand ambassador of Exide Life Insurance

Exide Life Insurance has announced that they have signed India's ODI and T20 cricket captain Mahendra Singh Dhoni as its brand ambassador. Mr. Dhoni will feature in the Exide Life Insurance marketing campaign "Lamba saath, bharose Ki baat."

Kumble appointed India's head coach for one year

Former captain Anil Kumble was appointed the Indian cricket team's head coach for a 1 year tenure, bringing an end to the prolonged suspense over who will take over the reins of the side.

Aveek Sarkar resigns as Chief Editor of ABP Group of Publications

Aveek Sarkar is an Indian newspaper promoter and proprietor has resigned as the Editor-in-Chief of Ananda Bazaar Patrika (ABP) and The Telegraph. However, he would continue as the chairman of the group. He is succeeded by Arup Sarkar.

PayPal appoints Anupam Pahuja as India Country Manager and MD

PayPal is an American company, operating a worldwide online payments system has announced the appointment of Anupam Pahuja as the Managing Director (MD) and Country Manager for its India operations.

Hurt Anju Bobby George resigns as Kerala Sports Council President

Olympian Anju Bobby George has resigned as President of the Kerala Sports Council, after she accused Sports Minister E P Jayarajan for allegedly harassing her and other members of Kerala Sports Council.

Ken Miyauchi to replace Nikesh Arora as SoftBank president

Japanese Group SoftBank has announced Ken Miyauchi as, head of the group's Japanese telecommunications operations, would replace Nikesh Arora as president and chief operating officer.

SoftBank president Nikesh Arora resigns

Nikesh Arora has resigned from the post of Representative Director, President and Chief Operating Officer (COO) of SoftBank Group (SBG), a Japanese company.

Virginia Raggi became first female mayor of Rome

Virginia Raggi, a leading member of the populist anti-corruption Five Star Movement (M5S), was elected as Rome's first female mayor.

OBITUARIES

Oldest litigant of Ayodhya dispute Mohammad Hashim Ansari passes away

The oldest litigant of Babri Mosque Ram Janmbhumi dispute of Ayodhya, Mohammad Hashim Ansari has passed away. The 96 year old Ansari.

Hockey legend Mohammed Shahid passes away

Noted Indian hockey player Mohammed Shahid has passed away in Gurgaon due to multiple organ failure. He was 56 years old.

Legendary singer Mubarak Begum Shaikh passes away

Legendary singer and ghazal maestro Mubarak Begum Shaikh has passed away at her residence in Mumbai after a prolonged illness. She was 80 years old.

India's Olympic Silver Medalist Joe Antic passed away

Hockey Olympian Joe Antic has passed away in Mumbai. He was 90 years old. He represented the country in the Rome Games where Pakistan won the final between the arch-foes 1-0.

William H McNeill, prize-winning world historian, dead at 98

William H McNeill, the prize-winning scholar who wove the

stories of civilizations worldwide into the landmark "The Rise of the West" and helped pioneer the history of disease and epidemics in "Plagues and People," has died at age 98.

Legendary football coach Amal Dutta passes away

Former India international Amal Dutta, who was also the first professional football coach of the country, passed away in his Kolkata residence. He was 86.

Noted Pakistani philanthropist Abdul Sattar Edhi has passed away

Noted Pakistani philanthropist, social activist, ascetic and humanitarian Abdul Sattar Edhi has passed away in Karachi. He was 92 years old. Edhi was born at Bantvain Gujarat to a family of memon traders in 1928 but during partition.

Veteran music director Om Prakash Sonik passes away

Veteran music director Om Prakash Sonik, also known as Omi, part of the Sonik-Omi duo, has passed away in Mumbai following a brief illness. He was 77 years old.

Acclaimed Iranian film director Abbas Kiarostami passed away

Iranian director Abbas Kiarostami, whose 1997 film "Taste of Cherry" won the prestigious Palme d'Or at the Cannes Film Festival, has passed away following a prolonged illness in Paris. He was suffering from Cancer and was 76 years old.

Veteran communist leader Romesh Chandra passed away

Veteran communist leader and former World Peace Council president Romesh Chandra has passed away in Mumbai. He was 94 years old.

Renowned Marathi literary scholar R C Dhre no more

R C Dhre, a recipient of the Sahitya Academy Award in 1987 for his book 'Sri Vitthal- A Mahasamanvayak (Lord Vitthal- A great coordinator)',passed away.

Writer and futurist Alvin Toffler dies

Alvin Toffler, the author of Future Shock, passed away on in Los Angeles, United States. He was 87. Toffler died in his sleep at his home in Bel Air, Los Angeles.

Italian film actor Bud Spencer is dead

Italian film actor Bud Spencer known among his fans as the 'big friendly giant' of the screen because of his height and weight has died at age 86 in Rome. He appeared in, produced and directed over 20 films together.

Pioneer of modern art in painting and pottery, K G Subramanyan passes away

Renowned sculptor and painter KG Subramanyan passed away in Vadodara, Gujarat following a brief illness. He was 92. He was multifaceted artist credited with being one of the pioneers of Indian modern art and was also a freedom fighter.

Naga rebel leader Isak Chishi Swu dies

Naga rebel leader Isak Chishi Swu died following a prolonged illness at Fortis hospital in Vasant Kunj, Delhi. He was 87. He was the co-founder and chairman of Nationalist Socialist Council of Nagaland (Isak-Muivah) (NSCN-IM).

Founder of Titan, Xerxes Sapur Desai has passed away

Xerxes Sapur Desai, the man who founded India's largest watchmaker company 'Titan Co Ltd', has passed away following a prolonged illness in Bengaluru. He was 79 years old.

Veteran Malayalam theatre artist Kavalam Narayana Panicker has passed away

Veteran Malayalam theatre artist and poet Kavalam Narayana Panicker has passed away in Thiruvananthapuram, Kerala. He was 88 years old.

Noted Telangana poet Guda Anjaiah has passed away

Noted Telangana poet and lyricist Guda Anjaiah has passed away following a brief illness at Ragannagudem, Telangana. He was 61 years old.

AWARDS

Kerala Tourism has secured two Gold Awards at PATA awards

Kerala Tourism has secured two Gold Awards at the prestigious Pacific Asia Travel Association (PATA) awards in recognition of its trendsetting marketing initiatives. The two gold medals for 'Marketing Media' are in the categories of 'Travel Advertisement Broadcast Media' and 'E-Newsletter', which were clinched by the successful 'Visit Kerala' television commercial campaign and the popular Kerala Tourism E-Newsletter respectively.

'Indian boy' project to safeguard fishermen bags Google Community Impact award in Asia region

An Indian boy from Tamil Nadu has won the community impact awards from Google for his project of mobile GPS that keep fishermen safe from invisible maritime boundaries. 14-year old Advay Ramesh won the mentioned prize for Asia-Pacific region in the Google Science Fair of 2016.

Nigerian journalist wins BBC World News Komla Dumor Award

A Nigerian journalist Didi Akinyelure has won the second BBC World News Komla Dumor Award for 2016. Didi Akinyelure is a prime-time news anchor in Nigeria and presents business news for CNBC, which broadcasts across the continent.

Emirates named world's best airline in 2016 Skytrax awards

According to a survey conducted by Skytrax, Emirates is the world's best airline for the year 2016. The survey underscores the consistency of the quality service among the world's top carriers. The international airline Emirates based in Dubai has won the top honors at Skytrax World Airline Awards ceremony at the Farnborough International Airshow in England.

Nimi Sunilkumar wins Gourmand World Cookbook Award

Nimi Sunilkumar, cookbook author and food blogger, has presented this repository of snacks to the world, and been rewarded with a Gourmand World Cookbook Award for 2015-16. Her book 4 o'clock Temptations of Kerala has been chosen for the award in the 'Best Indian Cuisine Cookbook' section.

President confers the 51st Jnanpith Award on Dr. Raghuvir Chaudhari

The President of India, Shri Pranab Mukherjee conferred the 51st Jnanpith Award on the renowned writer, Dr. Raghuvir Chaudhari. The Jnanpith Award is an Indian literary award presented annually by the Bharatiya Jnanpith and is given to an author for the "outstanding contribution towards literature". Instituted in 1961.

Radhika Menon : First woman to receive Award for Exceptional Bravery at Sea

Radhika Menon will become the first woman in the world to receive the Award for Exceptional Bravery at Sea from the International Maritime Organisation for saving the lives of seven fishermen, whose hopes of survival were all but over.

South African writer Lidudumalingani Mqombothi wins 2016 Caine Prize

South African writer, photographer, and filmmaker Lidudumalingani Mqombothi has been awarded the Caine Prize for African Writing for his short story Memories We Lost. The story about two sisters - one of whom is schizophrenic - interrogates some of the traditional beliefs and methods used to tackle the mental illness.

Dipa Karmakar becomes first Indian gymnast to bag 'World Class Gymnast' award

Indian Gymnast Dipa Karmakar created history as she clinched

'World Class Gymnast' award by the Federation Internationale de Gymnastique (FIG). She is the first Indian gymnast to secure this award as 'Gymnaste de Classe Mondaile' given by FIG.

Four Indian-Americans honoured with 2016 Great Immigrants Award in US

Indian-origin Google CEO Sunder Pichai and three other Indian-Americans are among the 42 US nationals honoured with this years prestigious "Great Immigrants: The Pride of America" award.

CAG Shashi Kant Sharma gets honorary professorship in China

The Comptroller and Auditor General (CAG) of India Shashi Kant Sharmahas been conferred with the honorary professorship by the Nanjing Audit University (NAU), China. China's Nanjing Audit University is the only university which is recognized by the Institute of Internal Auditors.

Two Indians get Queen's Young Leaders Award 2016

Two Indians, Kartik Sawhney and Neha Swain, have won the 2016 Queen's Young Leaders award in the United Kingdom which has been presented by Queen Elizabeth at the British monarch in Buckingham Palace. The name of these awardees has been announced last year in December.

Indian bags UN honour for corporate sustainability initiative

An Indian social entrepreneur Zubaida Bai, has been named among 10 "champions and pioneers" by United Nation chief Ban Ki-moon under the world's largest corporate sustainability initiative that calls on companies to align with universal principles of human rights, environment and anti-corruption.

Sri Sri Ravi Shankar awarded Honorary Fellowship in UK

National Indian Students and Alumni Union (NISAU) have awarded Spiritual leader Sri Sri Ravi Shankar with an Honorary Fellowship in the UK for his contributions to world peace and culture.

Harika wins best women's player in Kazakhstan Blitz

Grand Master Harika Dronavalli added another feather to her cap by winning the best women's player award in the Eurasian Blitz chess tournament in Kazakhstan. The India number two player picked up a cash prize of \$2500 and 60 ELO points to regain her position in the top 10.

IIT-Kanpur professor Sanjay Mittal awarded 2015 GD Birla Award

IIT-Kanpur professor Sanjay Mittal has been awarded the twenty-fifth GD Birla Award for Scientific Research for the year

2015. He has been bestowed with this award for his significant contributions have been in the area of Mechanics.

Artemi Panarin wins 2015-2016 Calder Memorial Trophy

Russian hockey winger Artemi Panarin, playing for the Chicago Blackhawks, won the 2015-2016 Calder Memorial Trophy. The announcement was made by the US National Hockey League (NHL).

Ad award for Srinivasan K Swamy

The Advertising Agencies Association of India (AAAI) announced that Srinivasan K Swamy, Chairman of R K Swamy Hansa, would be the recipient of this year's AAAI Lifetime Achievement Award. This award is the highest honour to be given to an individual in India for outstanding contribution in the advertising industry.

DEFENCE NEWS

Indian Naval Ships visit Port Kelang, Malaysia

Indian Naval Ships Sahyadri, Shakti and Kirch have arrived at Port Kelang on a four day visit, as part of deployment of the Eastern Fleet to the South China Sea and Western Pacific. The INS Sahyadri is commanded by Captain K S Rajkumar, INS Shakti is commanded by Captain Gagan Kaushal and INS Kirch is commanded by Commander Sharad Sinsunwal.

DRDO successfully tests Advanced Artillery Gun System

India's Defence Research and Development Organisation (DRDO) achieved yet another technological breakthrough by successfully conducting the proof firing of Armament system for 155 mm x 52 calibre Advanced Towed Artillery Gun System (ATAGS) during the technical trials conducted recently at Proof & Experimental Establishment (PXE), Balasore, Odisha.

INS India – base depot ship of Indian Navy at New Delhi celebrates Platinum Jubilee

INS India, the base depot ship at New Delhi, celebrated its 75th anniversary (13th July). Established as HMIS India in 1941 it was rechristened as INS India on 26 Jan 1950. The Base Depot ship (stone ship in naval parlance) has the privilege of being the Flagship of the Chief of the Naval Staff.

Operation 'Sankat Mochan' launched to evacuate Indian citizens from South Sudan

The government has launched 'Operation Sankat Mochan' to evacuate the Indians from South Sudan. Two C17 aircraft of Indian Air Force left for Juba with Minister of State for External

Affair VK Singh onboard. The Indian Ambassador in South Sudan Srikumar Menon and his team is organising this operation on the ground.

INS Karna commissioned by Navy chief

Indian Navy, the naval branch of the Indian Armed Forces has commissioned INS Karna, an independent base of Marine Commandos (MARCOS) at Bheemunipatanam Naval Base, Visakhapatnam, Andhra Pradesh. It was commissioned by Chief of Naval Staff Admiral Sunil Lanba at the commissioning ceremony held at Bheemunipatanam Naval Base.

China Navy Conducts Combat Drill in the South China Sea

The Chinese navy conducted combat drills near its southern island province of Hainan and the Paracel islands in the South China Sea.

China inducts largest homegrown Y-20 military transport plane

China has inducted its largest indigenously-built transport aircraft, which is named as Y-20. Y-20 is a breakthrough in military aviation technology for the PLA that allows the world's largest force to transport cargo and troops over long distances in diverse weather conditions.

RIMPAC 2016 - World's largest international maritime exercise kicks off

The multinational exercise Rim of the Pacific (RIMPAC) 2016 has begun in the Pacific Ocean at Hawaii, United States. RIMPAC 2016, the World's largest international maritime exercise have included the participation of navies from 26 countries. This is the 25th edition (30th June to 4th August) of biennial exercise in the series that began in 1971. India is being represented by Indian Naval ship (INS) Satpura.

Indian Navy launches water jet craft in Kolkata

The Indian Navy is the naval branch of the Indian Armed Forces has launched the last of the series of the Water Jet Fast Attack Craft (WJFAC) ship at a ceremony in Kolkata. The WJFAC vessel was launched in the waters by the wife of chief of logistics, Vice-Admiral Jayant Korde, at Raja Bagan dockyard, a facility meant to build small ships.

India successfully test fires ballistic missile 'Barak-8'

Ballistic missile Barak-8 was successfully tested from Balasore district of Odisha. The missile was launched from test fired from launch pad no-3 of the Integrated Test Range (ITR) at Chandipur. The Barak-8 is India's new surface to air missile which is

developed jointly with the Israel.

Indigenously built Tejas inducted into IAF

The Indian Air Force inducted the first squadron of the indigenously made Light Combat Aircraft (LCA) Tejas into its fleet. An induction ceremony to induct two Tejas aircrafts was held at the Aircraft Systems Testing Establishment (ASTE) in Bengaluru, which included a multi religious prayer.

Anti-submarine torpedo Varunastra inducted in Navy

Indigenously-built heavyweight anti-submarine torpedo Varunastra has been successfully inducted in the navy, making India one of the eight countries to have the capability to design and build such a system. Developed by Naval Science and Technological Laboratory (NSTL), a premier laboratory of DRDO, the electric torpedo was today formally handed over to Indian Navy and the induction is set to be a "game-changer" boost for it.

Defence Ministry gives nod for purchase of 145 Ultra Light Howitzers guns from the US

The Defence Acquisition Council (DAC) chaired by Union Defence Minister Manohar Parrikar has given its approval for the purchase of 145 Ultra-Light Howitzers (ULH) guns from the US.

Maiden Flight Of Su-30 MKI With BrahMos Supersonic Cruise Missile Successful

The first carriage flight of Su-30 MKI aircraft with BrahMos missile was successfully undertaken at HAL Airport in Nashik, with the integration making the fighter aircraft a lethal weapon delivery platform for the Indian Air Force. It is the first time in the world that such a heavyweight (2,500 kg) supersonic cruise missile has been integrated on a fighter aircraft, according to BrahMos Aerospace Pvt Ltd (BAPL) Chief Executive Officer and Managing Director Sudhir Kumar Mishra.

RANKS & REPORTS

India ranks 10th in FDI inflows: UNCTAD report

As per 2016 the World Investment Report, India ranks 10th in FDI (Foreign Direct Investment) inflows. The report notifies that India's FDI inflows have increased to 44 billion dollars in 2015 as compared to 35 billion dollars in 2014. According to this report, top 10 Countries are- United States, Hong Kong, China, Ireland, Netherlands, Switzerland, Singapore, Brazil, Canada, and India.

SRK, Akshay join Taylor Swift in Forbes highest paid celebrity list

Bollywood stars Shahrukh Khan and Akshay Kumar were the only Indian celebrities to make way for the Forbes list of world's

highest-paid celebrity, With annual earnings of 33 Million dollars, Fan's star Shahrukh Khan successfully bagged the 86th position on the list. On the other hand, Akshay Kumar was placed on 94th position with making about 31.5 million dollars in a year. Musician Taylor Swift with \$170 million in her earning bag seized the top spot on the list.

India slips to 91st place in 2016 Networked Readiness Index

India has slipped by two places to 91st position in the recently released 2016 Networked Readiness Index (NRI) by the Geneva-based World Economic Forum (WEF). The index was released as the part of the WEF's Global Information Technology Report. The 2016 Networked Readiness Index (NRI) is topped by Singapore.

India jumps 19 places in WB logistics index

India has jumped 19 places in the latest World Bank ranking in the global logistics performance index. The World Bank, in its latest once-in-two-year Logistics Performance Index (LPI), said India is now ranked 35th as against the 54th spot it occupied in the previous 2014 report.

While Germany tops the 2016 rankings, India is ahead of comparatively advanced economies like Portugal and New Zealand.

India ranked 105th on WEF's Human Capital Index

India has been ranked 105th out of 130 countries on the World Economic Forum's Human Capital Index, which measures countries' ability to nurture, develop and deploy talent for economic growth. Finland, Norway, and Switzerland hold the top three positions (respectively), utilizing around 85 per cent of their human capital. The index has been released by Geneva-based World Economic Forum (WEF).

SCIENCE AND TECHNOLOGY

Glaciers melting at 5 to 20 metre rate annually

Majority of glaciers in India including Gangotri are retreating (melting) at varying rates ranging from 5 to 20 metre per year due to global warming. It was announced by Minister of State (independent charge) of Environment, Forest and Climate Change Anil Madhav Dave in Lok Sabha.

NASA announces discovery of 104 new planets outside solar system

A team of researchers of NASA has announced the discovery of 104 new planets outside our solar system including four that

could have Earth-like, rocky surfaces. Scientists discovered the exoplanets in Hawaii using Kepler space telescope as well as ground observations by Earth-based telescopes, including four on the summit of Mauna Kea in Hawaii.

Rare 'Marbled Map' butterfly sighted in Eastern Ghats

Rare Marbled Map butterfly was sighted in Eastern Ghats near PM Kota village of Maredumilli mandal in East Godavari district of Andhra Pradesh. This is the first time that the Marbled Map butterfly species, usually found in the north-east, was sighted in South India.

NASA's Next Mars Rover Progresses Toward 2020 Launch

National Aeronautics and Space Administration (NASA) is ready to proceed with the final design and construction of its next Mars rover, targeted to launch in the year 2020, which will probe for evidence of past life on the red planet and help prepare for future manned missions.

Astronomers discover planet with 3 suns located 340 light years from Earth

A team of astronomers led by the University of Arizona discovered a planet HD 131399Ab which is unlikely any other known world – one with, by far, the widest known orbit within a multi-star system. The discovery was published in an early online edition of the journal Science on July 7.

China completes installation of world's largest telescope named as 'FAST'

China, a communist nation in East Asia, has completed installation of the world's largest telescope in Guizhou province. The 500 metre-diameter telescope covers an area larger than 30 football pitches. The telescope has overtaken the size of 300 metre-diameter Arecibo Observatory in Puerto Rico.

China Launches 2nd Shijian-16 Satellite

China, a communist nation in East Asia has successfully launched its second Shijian-16 series satellite for space research and experiments. The first Chinese technology demonstration satellite, Shijian-16 was launched in October 2013.

China's Sunway TaihuLight declared world's fastest supercomputer

Chinese supercomputer Sunway TaihuLight with 93 petaflop/second speed was declared as the world's fastest supercomputer. It was revealed in the TOP500 list of supercomputers released at the International Supercomputing

Conference (ISC) in Frankfurt, Germany.

Sweden inaugurates world's first electric road

Sweden has inaugurated a test stretch of an electric road. With this, the country has become one of the first countries in the world to conduct tests with electric power for heavy transports on public roads.

NASA unveils X-57 Hybrid Electric Research Plane

The National Aeronautics and Space Administration (NASA) unveiled the iconic X-57 Hybrid Electric Research Plane nicknamed as Maxwell. The plane is fitted with 14 electric motors turning propellers and all of them are integrated into a uniquely-designed wing.

INTERNATIONAL NEWS

11th Asia-Europe Meeting Summit issues Ulaanbaatar Declaration

The 11th edition of the Asia-Europe Meeting Summit (ASEM11) or ASEM2016 has issued Ulaanbaatar Declaration. The declaration has reaffirmed ASEM's commitment for greater partnership through informal political dialogue and initiatives in economic and socio-cultural fields.

VP Hamid Ansari reached Ulaan Baatar to attend 11th Asia Europe Meeting- ASEM-Summit

Vice President Mohammad Hamid Ansari has reached Ulaan Baatar, the capital of Mongolia. He is leading the India delegation for two days 11th Asia-Europe Meeting- ASEM-Summit starting from today. The theme for the summit is "20 Years of ASEM: Partnership for the Future through Connectivity".

Peru declares Zika emergency in 11 states

Peru's government has declared a health emergency in 11 states in the north and eastern jungle regions due to an expanding outbreak of the Zika virus. The government's declaration of 90-day emergency facilitates the allocation of almost \$6 million to combat the spread of the virus.

Nirmala Sitharaman to lead business delegation to Russia

Commerce and Industry Minister Nirmala Sitharaman will lead a delegation of over 110 Indian companies that will showcase their engineering prowess at a trade fair in Russia. India is the partner country for 'INNOPROM 2016', which is the largest annual international industrial trade fair of Russia.

Cabinet approves the Revised Cost Estimate of Punatsangchhu-II Hydroelectric Project in Bhutan

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has also given its approval for Revised Cost Estimate (RCE) of Rs. 7290.62 crore for the ongoing 1020 MW Punatsangchhu-II Hydroelectric Project (HEP) in Bhutan.

India sets up apparel training centre in Nigeria

India has set up an apparel training centre in Nigeria to support and promote textiles industry of the west African country. This is a first of its kind centre in Nigeria, set up in partnership with their government. The training centre has been established in Kaduna, Nigeria.

India gives SUVs to Mozambique, completes delivery of \$4.5 mn grant

Coinciding with Prime Minister Narendra Modi's visit to Mozambique, India has handed over 30 SUVs to Mozambique. With this India completed the delivery of 4.5 million US dollar grant assistance as part of supporting the institutions of this African country.

PM Modi reaches Mozambique on first leg of four nation tour

In the first leg of his four nation tour of African countries, Prime Minister Narendra Modi has reached Maputo, the capital of Mozambique. This is the first official visit of the Prime Minister to Mainland Africa.

Gudni Johannesson wins Iceland's presidential election

Gudni Johannesson has won the Iceland's presidential election. He is a history professor who ran as an independent in the election and was able to secure 39.1% of the vote. He will succeed Olafur Ragnar Grimsson.

IMF clears payment of USD 501 million to Pakistan

Washington DC-based the International Monetary Fund (IMF) has cleared the payment of \$501 million for Pakistan.

AIIB approves first loans for projects in four countries

The China-led Asian Infrastructure Investment Bank (AIIB) has approved first set of loans totaling US 509 million dollars to finance projects in four countries namely- Bangladesh, Pakistan, Indonesia, and Tajikistan. These loans for the four projects were approved in Board of Directors meeting of AIIB held at its headquarters in Beijing, China.

Mahasthangarh declared as the SAARC cultural capital for 2016-2017

Mahasthangarh is one of the earliest urban archaeological sites

so far discovered in Bangladesh, has been declared as the South Asian Association of Regional Cooperation (SAARC) cultural capital for the year 2016-17.

ADB extends \$500-million loan for river-bridge in Bihar

ADB is multilateral lending agency based in Manila, Philippines, has approved a 500 million dollars loan to build a bridge across the Ganga River in Bihar. The loan funds will be used to build 9.8 km road bridge in Bihar on the Ganga River.

Brexit wins as Britain votes to leave European Union in historic referendum

The United Kingdom has voted by 52 % to 48 % to leave the European Union after 43 years in a historic referendum. According to a newspaper London and Scotland voted strongly to stay in the Union but the remaining vote has been done against it which mainly contains the north of England.

FM Arun Jaitley to embark on 5-day China visit to attend AIIB annual meet

Finance Minister Arun Jaitley will embark on a five-day visit to China starting from 23rd of June, where he will attend the first annual meeting of the board of governors of the 100-billion US dollar Asian Infrastructure Investment Bank. The AIIB meeting will be held on 25th and 26th of June, in Beijing, China.

SUMMITS**Vadodara to host world power ministers at 'Switch' summit**

The Country's largest electrical summit "Switch" is going to be held in Vadodara during October 6-10. The Power Ministers of 30 - 35 countries are likely to join this global electric expo summit.

Union HM Rajnath Singh inaugurated Eastern Zonal Council meeting in Ranchi

Union Home Minister Rajnath Singh has inaugurated the 22nd meeting of the Eastern Zonal Council at Ranchi, Jharkhand. Chief Ministers of Jharkhand Raghuwar Das and of Bihar, Nitish Kumar, along with other Ministers and very senior officers from various Ministries of the Central Government, and governments of Jharkhand, Bihar, Odisha and West Bengal are taking part in the meeting.

Rajnath Singh to inaugurate BRICS drug control meeting

The Union Home Minister Shri Rajnath Singh is going to inaugurate the second anti-drug Working Group meeting of

Heads of Drug Control Agencies of BRICS countries in New Delhi. The Indian delegation will be headed by Shri Rajeev Rai Bhatnagar, Director General, Narcotics Control Bureau.

The 2nd BRICS Youth Summit concludes in Guwahati

The second BRICS Youth Summit has concluded on 3rd of July which was going on in Guwahati, Assam from 1st July 2016. The theme of the summit was "Youth as bridge for intra-BRICS exchanges". The summit was inaugurated by Assam Chief Minister Sarbananda Sonowal.

BRICS' meeting on energy efficiency begins

A two-day meeting of the BRICS nations working group for enhancing cooperation in energy efficiency and energy saving held in Visakhapatnam. This is the first meeting of the group in which participants from all BRICS countries are attending the meet.

SCO summit to begin in Tashkent

A two-day meeting of heads of state of Shanghai Cooperation Organization (SCO) under the presidency of Uzbekistan will begin tomorrow in Tashkent. The organization was founded in 1996 after the inclusion of Uzbekistan in 2001 and headquartered in Beijing, China.

NATO Summit 2016 held

The 2-day long NATO Summit concluded in Warsaw, Poland. It was the 27th summit biannual summit of NATO since its inception in 1949.

2016 BRICS Youth Summit held

The 2016 BRICS Youth Summit held in Guwahati, Assam concluded on 3 July 2016. The theme of the 2nd youth summit that started on 1 July 2016 was "Youth as bridge for Intra-BRICS Exchanges".

BRICS Working Group Meeting on Energy Saving and Energy Efficiency held

The first meeting of the BRICS Working Group on Energy Saving and Energy Efficiency held in Visakhapatnam. The meeting attended by all 5 members of BRICS (Brazil, Russia, India, China and South Africa) countries.

SCO Summit 2016 concludes in Tashkent, Uzbekistan

The 2016 Shanghai Cooperation Organization (SCO) summit concluded in Tashkent, Uzbekistan. This was conducted under the presidency of Uzbekistan.

BOOKS AND AUTHORS

The Great Derangement: Climate Change and the Unthinkable authored by Amitav Ghosh

Writer Amitav Ghosh's latest book, The Great Derangement: Climate Change and the Unthinkable, is an extended essay of sorts on climate change, the catastrophe unfolding around us and the conspiracy of silence around the dangers of it.

My book is a story of my life: Margaret Alva

A book titled Courage & Commitment - An Autobiography by Margaret Alva (Veteran Congress leader) was in news in the second week of July 2016. Via this book, Alva narrates her forty-year career under four Prime Ministers, namely Indira Gandhi, Rajiv Gandhi, PV Narasimha Rao and Manmohan Singh.

"Who Moved My Interest Rate" authored by Duvvuri Subbarao

A book titled Who Moved My Interest Rate? written by Duvvuri Subbarao, the former Governor of Reserve Bank of India (RBI). The book is a chronicle of Subbarao's attempts to demystify the RBI and explain to the public its impact on their everyday lives.

Ringside With Vijender authored by Rudraneil Sengupta has released

The book titled Ringside With Vijender published by Juggernaut Books and authored by Rudraneil Sengupta has released. The book is all about the Beijing Olympics bronze medallist boxer Vijender Singh's life post his transition to the world of pro boxing.

PM releases book titled "The Birds of Banni Grassland"

Prime Minister Narendra Modi has released a book titled "The Birds of Banni Grassland" in New Delhi. The Book is a compilation of the research work, relating to more than 250 species of birds found in the Banni area of Kutch, Gujarat.

IMPORTANT DAYS

Nelson Mandela International Day observed

Nelson Mandela International Day is an annual international day in honour of Nelson Mandela, celebrated each year on 18 July, Mandela's birthday. The day is aimed at inspiring individuals to take action to help change the world for the better.

World Youth Skills Day 2016 celebrated

The World Youth Skills Day (WYSD) was on 15 July 2016

observed globally with the theme Skills Development to Improve Youth Employment.

World Population Day 2016 celebrated

World Population Day was observed on 11 July 2016 with theme Investing in teenage girls. The theme focuses on the empowerment of teenage girls.

National Doctors' Day 2016 observed

The 2016 National Doctors' Day was observed on 1 July 2016 across India. This is observed to honour legendary physician, Dr Bidhan Chandra Roy whose birth and death anniversary falls on the same day.

10th National Statistics Day celebrated

The 10th National Statistics Day was celebrated on 29 June 2016 across the country with the theme Agriculture and Farmers' Welfare. World Statistics Day is celebrated on 20 October 2010 worldwide.

International Day in Support of Victims of Torture observed

International Day in Support of Victims of Torture was observed on 26 June 2016. The day is held annually to speak out against the crime of torture. It also seeks to honor and support victims and survivors throughout the world.

International Day against Drug Abuse and Illicit Trafficking observed

International Day against Drug Abuse and Illicit Trafficking was observed on 26 June 2016. The day was observed with theme Listen First.

International Olympic Day celebrated

The International Olympic Day was celebrated on 23 June 2016. To mark the occasion, over 160 National Olympic Committees (NOCs) and sports organizations across the world organised a series of events.

Day of the Seafarer 2016 observed

Day of the Seafarer 2016 was observed across the world on 25 June 2016. The theme for the year is At Sea for All. The theme for the year has a clear link with the 2016 World Maritime Day theme, Shipping: indispensable to the world.

United Nations Public Service Day 2016 observed globally

The United Nations Public Service Day was celebrated by the United Nations (UN) on 23 June 2016. The day was celebrated to

mark the invaluable contributions of public servants and administrators to build a better world for all.

International Widows' Day 2016 observed globally

The International Widow's Day 2016 was celebrated across the world on 23 June 2016. The day was celebrated to raise awareness on the troubles of widowed women.

World Hydrography Day 2016 observed

World Hydrography Day (WHD) 2016 was observed on 21 June 2016 across the world. The theme for the WHD 2016 was Hydrography - the key to well-managed seas and waterways.

SPORTS NEWS

Herbalife associates with IOA as nutrition partner

Herbalife International India, a global premier nutrition company, has entered into a two-year exclusive partnership with Indian Olympic Association to be the official nutrition sponsor of the Indian Olympic contingent to Rio De Janeiro.

BCCI conducts 'English language and communication skills'

The Board of Control for Cricket in India is the national governing body for cricket in India has organised a course for umpires on English language and communication skills. The first batch took place from July 12 to 16 and the second is scheduled from July 19 to 23 in Mumbai.

Vijender Singh beats Kerry Hope to clinch WBO Asia Pacific title

Indian boxing star Vijender Singh scaled a new high in his ever-soaring professional career as he clinched the WBO Asia Pacific Super Middleweight title with a dominating win over former WBC European champion Kerry Hope.

SC accepts structural reforms in BCCI

The Supreme Court (SC) has accepted the major recommendations of the Lodha Committee on reforms to the Board of Control for Cricket in India (BCCI), including a bar on ministers and civil servants and those above 70 from becoming its members. The court accepted the recommendations of the committee headed by retired Chief Justice of India (CJI) Justice R M Lodha to have a CAG nominee in the BCCI.

Pakistan's Yasir Shah scales number one spot in ICC Test rankings

Wrist spinner Yasir Shah has scaled the number one spot in the ICC Test rankings becoming the first Pakistani bowler to do so

since Mushtaq Ahmed in December 1996.

Dipika Pallikal Karthik and Saurav Ghosal clinch National Squash titles

Dipika Pallikal Karthik toppled defending champion Joshna Chinappa to regain the women's title in the 73rd Senior National Squash Championship in Mumbai. The men's crown was captured by title holder and top seed Saurav Ghosal, who created history by winning it for the 11th time, defeating fourth seed Harinderpal Singh Sandhu in five hard-fought games.

India jumps 11 places to 152nd in football rankings

India has made a big leap of 11 places to occupy the 152nd spot in the latest world football rankings issued by FIFA, while Argentina remains on top.

Misbah-ul-Haq becomes oldest captain to score Test hundred

Misbah-ul-Haq, Pakistani cricketer and the current Test captain of the national cricket team has scored 110 against England at Lord's. With this, the 42 years and 47 days old cricketer became the oldest captain to score Test hundred.

GM Harika Dronavalli wins Fide Women's Grand Prix trophy in China

India's Grand Master Harika Dronavalli has won the Fide Women's Grand Prix trophy in Chengdu in China. She was playing with white against Russia's Olga Girya.

The ICC has released the Team Rankings of Test, ODI and T20I cricket

The International Cricket Council (ICC) has released the official ICC men's Team Rankings from Test, One Day International (ODI) and T20I cricket in Dubai. Australia remains on top with rating 118 in the latest ICC Test rankings while India (112 rating) held the second position followed by Pakistan (111 rating) and England. In One Day International (ODI) rankings also Australia has topped the list with 123 rating while New Zealand held at second positon with 113 points followed by India (110 points). However in ICC T20 Rankings India held the second position while topped by New Zealand.

Lewis Hamilton wins 4th British Grand Prix of his career

Formula 1 world champion Lewis Hamilton from Great Britain has won the 2016 British Grand Prix title of Formula 1. It was also his 4th title of the 2016 season after Monaco Grand Prix , Canadian Grand Prix and Austrian Grand Prix.

Portugal win Euro 2016 football championship

Portugal defeated France 1-0 to win their first ever EURO championship at Saint-Denis in Paris. Substitute Eder scored in extra-time to give Portugal a win at their first major international title.

Swimmers Sajan Prakash, Shivani Kataria Get Wild-Card Entry to Rio Olympics

Sajan Prakash and Shivani Katariya have been selected as the country's wild-card entries for the Rio Olympics next month, after none of the swimmers managed to make the 'A' cut that is required for direct qualification.

Annu Rani sets national record at National Inter-state Athletics Championships

Javeline thrower Annu Rani has bettered her national record with a 59.87m throw at the 56th National Inter-State Senior Athletics Championships in Hyderabad.

Saudi Arabia becomes Associate Member of ICC

Saudi Arabia was unanimously elected as the 39th Associate Member of International Cricket Council's (ICC) during its full council meeting in Edinburgh. The Saudi Cricket Centre (SCC) has been an Affiliate Member of the ICC since 2003.

Niranjan wins eight medals in IWAS World Games

Bengaluru para-swimmer Niranjan Mukundan has won eight medals, including three golds, at the recently-concluded IWAS (International Wheelchair and Amputee Sports) U-23 World Games in Prague, Czech Republic.

Lewis Hamilton wins Austrian Grand Prix

Lewis Hamilton has won the Austrian Grand Prix after a dramatic last-lap collision with championship rival Nico Rosberg. Rosberg appeared on course to claim his sixth victory of the season.

India to host world's first MMA League

The world's first Mixed Martial Arts (MMA) 'Super Fight League' from August 26 to October 1, 2016, will be hosting by India. The Super fight league will be a franchise based league which will feature eight teams namely- Delhi, Uttar Pradesh, Mumbai, Haryana, Bangalore, Punjab, Pune, and Goa.

Double bonanza for India as Praneeth, Manu-Sumeeth win Canada Open titles

India is celebrating its double bonanza as India's badminton player B Sai Praneet has won the Canada Open Grand Prix

Badminton tournament and also it's Rio Olympics-bound men's doubles pair of Manu Attri and B Sumeeth Reddy have also won titles at the \$55,000 Canada Open Grand Prix badminton tournament in Calgary.

Ministry grants recognition to Paralympic Committee of India

The Sports Ministry has announced that it has granted recognition to the Paralympic Committee of India (PCI), giving a huge confidence boost to the several para-athletes who have qualified for Rio Paralympics.

Ravi Shastri resigns from ICC Cricket

Former India captain and Team Director Ravishankar Jayadritha Shastri has resigned from his post as media representative in ICC's prestigious Cricket Committee.

Muhammed Anas from Indian Navy becomes 3rd Indian athlete to qualify for Rio Olympics

Muhammed Anas serving in the Indian Navy has qualified for the Rio Olympics in the 400 meters run. Anas, who broke the national record twice, is the third male athlete in the history of Indian athletics after the legendary Milkha Singh and K M Binu to have qualified for a 400-metre event in the Olympics.

Viswanathan Anand honoured with 'Honoris Causa' Doctor of Science degree

Five-time World Champion Viswanathan Anand was conferred the "Honoris Causa" Doctor of Science by Indian Institute Of Technology (IIT) during its 49th convocation ceremony. The 46-year-old Anand was bestowed with the degree by NITI aayog chairman Arvind Panagariya.

Chile beat Argentina to win 2016 Copa America Football tournament

Defending champion Chile won the 2016 Copa America Football tournament by defeating Argentina in a penalty shootout. This was second Copa America title for Chile in two years. Chile won the first title in 2015 after defeating Argentina 4-1 in a penalty shootout following a 0-0 scoreless draw at the end of regulation. With this, Chile also became the first team to win the Copa America in back to back years since Argentina in 1946 and 1947.

India's Sanjeev Rajput wins silver in ISSF World Cup

Ace shooter Sanjeev Rajput clinched the silver medal for India in men's 50-metre rifle 3 position event of the ISSF World Cup. Rajput shot 456.9 to win the silver medal in the last World Cup before the Rio Olympic Games.

Argentina women win record seventh FIH Champions Trophy title

The Argentina women's team has claimed a record seventh International Hockey Federation (FIH) Champions Trophy title with a 2-1 win over reigning World and Olympic champions, the Netherlands, in the final at the Lee Valley Hockey and Tennis Centre.

Jitu Rai wins silver in ISSF World Cup

'Pistol King' Jitu Rai pipped three-time Olympic champion Jongoh Jin of Korea to clinch the silver medal at the ISSF Shooting World Cup, signalling his intentions ahead of the Rio Games. Rai shot 199.5 in the finals to bag the silver medal in men's 10m air pistol. Brazilian Felipe Almeida Wu won the gold medal.

Dutee Chand qualifies for Olympics

Sprinter Dutee Chand wrote her name in the history as she qualified in the 100 metres category for the forthcoming Rio Olympics. In a mind-blowing run, she met 11.30 seconds target which has created a new national record at 26th G. Kosanov memorial meet in Almaty. The qualifying mark set for the Rio Olympics was set at 11.32 seconds.

Lionel Messi retires from international football

Lionel Messi is an Argentine professional footballer who plays as a forward for Spanish club Barcelona and the Argentina national team, announced retirement from International Football after Argentina's loss in Copa America final.

Manoj Kumar, Vikas Krishan secure Rio 2016 Olympics berth

Indian star boxers Manoj Kumar and Vikas Krishan have qualified for the Rio 2016 Olympics scheduled to be held in August 2016 in Rio de Janerio, Brazil. Manoj Kumar booked Olympic berth after advancing in the quarterfinal bout against Tajikistan's Rakhimov Shakvakatdzhon in the AIBA World Olympic qualification event in Baku, Azerbaijan.

Dustin Johnson clinches maiden Major golf title at US Open 2016

US Golfer Dustin Johnson maiden his maiden Major golf title registering a three-stroke victory in the 116th US Open, although not without a farcical drama early in the fourth and final round. The World No.6 carded a final-round 69 one of seven sub-70 scores for a 72-hole total of four-under 276 to end an 0-for-28 drought in Majors.

Andy Murray wins record fifth Queen's Club title

British tennis star Andy Murray has created history after he

fought back to win the Queen's Club tournament for a record fifth time defeating Milos Raonic in a pulsating final on 19 June 2016. The defending champion recovered from a set and 3-0 down to beat the third seeded player 6-7 (5/7), 6-4, 6-3 in the title clash.

SCHEMES

Pradhan Mantri Surakshit Matritva Abhiyan launched

Pradhan Mantri Surakshit Matritva Abhiyan (PMSMA), an initiative of the Narendra Modi Government. It aims at boosting the health care facilities for the pregnant women, especially the poor. It also seeks to protect pregnant ladies from infectious diseases.

Under this scheme, the pregnant ladies will be given free health check-up and required treatment for free on 9th of every month. This will be applicable for pregnant women to avail in every government hospitals across India. This is applicable only to the women in their pregnancy period of 3 to 6 months.

Cabinet approves interest subvention scheme for farmers

The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has approved the Interest Subvention Scheme for farmers for the year 2016-17. The Government has earmarked a sum of Rs. 18,276 Crore for this purpose. This will help farmers getting short term crop loan payable within one year up to Rs. 3 lakhs at only 4% per annum.

Union Cabinet extends deadline of UDAY scheme

The Cabinet approved an extension in the deadline for implementing the Ujjwal Discom Assurance Yojana (UDAY) by a year to March 31, 2017.

HRD Minister launches 'Prashikshak' portal

Union Minister for Human Resource Development (HRD), dedicated 'Prashikshak' a teacher education portal, to the nation at Vigyan Bhawan, New Delhi. 'Prashikshak' is launched with a vision to strengthen District Institutes of Education and Training (DIETs) and bring quality teachers into the Indian school education system.

231 Projects under Namami Gange to be launched all over country

For giving a boost to Namami Gange Programme, Union Minister of Water Resources, River Development and Ganga Rejuvenation Sushri Uma Bharti has announced the inauguration of 231 projects at various locations in Uttrakhand, UP, Bihar, Jharkhand, West Bengal, Haryana and Delhi today.

Radha Mohan Singh launches a web-based App CMRS

The Union Agriculture & Farmers' Welfare Minister, Shri Radha Mohan Singh has launched Crop Manager for Rice-based Systems (CMRS) a web-based App for better crop and Nutrient management released for Bihar farmers in a program organised at ICAR-RCER in Patna.

Odisha government to provide education loan at 1% interest

Odisha Chief Minister Naveen Patnaik has launched a new scheme Kalinga Siksha Sathi Yojana with an aim to provide education loan at 1 % interest to students for pursuing higher studies. The State government dedicated this scheme to former Chief Minister Biju Patnaik on his Birth Centenary.

MISCELLANEOUS

Rohit Khandelwal becomes first Indian to win Mr. World title

Rohit Khandelwal has become the first Indian to win the title of Mr. World at a grand ceremony at Southport in England. He received a whopping cash prize of 50,000 US dollars. Rohit defeated 47 other contestants from across the globe to bag the title.

WHO declares India as Maternal and Neonatal Tetanus free

The World Health Organization (WHO) has declared India as Maternal and Neonatal Tetanus free. In this regard, WHO presented certificates to the Union Health and Family Welfare Minister J P Nadda.

Three North Eastern cities Aizawl, Gangtok and Agartala top India's cleanest cities list

Aizawl, Gangtok and Agartala, the capital cities of the three Northeastern states of Mizoram, Sikkim and Tripura have found their place among the 10 cleanest cities of the country in a survey conducted by New Delhi-based research and advocacy organization, Centre for Science and Environment (CSE).

Chinese bullet trains cross each other at world-record speeds of 420 km/hour

Two Chinese trains running at world-record speeds in opposite directions crossed each other on parallel tracks, in the latest feat achieved by China in high-speed rail. Bullet trains 'Golden Phoenix' and 'Dolphin Blue' passed each on parallel tracks at a striking speed of 420 km per hour in opposite direction setting a world record.

Government sets up panel to consider MSP

The Central government has set-up a high-level committee headed by chief economic adviser Arvind Subramanian to consider increase in minimum support price for pulses and bonus for farmers.

Kendrapada sheep gets rare status

A threatened breed of sheep found only in coastal Jagatsinghpur and Kendrapara districts of Odisha has been conferred 'rare and singular species' tag by the central government. The National Bureau of Animal Genetic Resources (NBAGR) has accorded genetic recognition to the breed of sheep, locally called 'kuji mendha'.

SC-appointed green panel recommends high pollution cess

The Supreme Court-appointed green panel EPCA has recommended high pollution cess, of up to 25 % on the cost of diesel cars above 2,000 cc, multiple times higher than the figure suggested by few automakers.

World's largest charkha unveiled at Delhi airport

World's largest charkha (spinning wheel) was unveiled at Terminal 3 of IGI Airport here. At the unveiling ceremony, Union MSME minister Kalraj Mishra said charkha is a symbol of Gandhian values and shows government's priority towards khadi and village industries.

Ministry of Tourism releases data on domestic and foreign tourist visits to states and UTs

The Market Research Division of the Union Ministry of Tourism compiles data on domestic and foreign tourist visits to States/Union Territories (UTs) received from Tourism Departments of various States and UTs. During 2015, the top 10 States with maximum domestic tourist visits (in millions) were: Tamil Nadu (333.5), Uttar Pradesh (204.9), Andhra Pradesh (121.6), Karnataka (119.9), Maharashtra (103.4), Telangana (94.5), Madhya Pradesh (78), West Bengal (70.2), Gujarat (36.3) and Rajasthan (35.2).

China sets up first dark sky reserve in Tibet to limit light pollution

China has established country's first dark sky reserve for astronomical observation in the Tibetan prefecture of Ngari, bordering Nepal and India. The reserve was jointly launched by

the China Biodiversity Conservation and Green Development Foundation (GDF) and the regional government of Tibet.

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Trigonometry Practice Quiz : SSC CGL-2016

1. If $\sin(x+y) = \cos[3(x+y)]$ then what is the value of $\tan[2(x+y)]$?
- (a) $\sqrt{3}$ (b) 1
 (c) 0 (d) $\frac{1}{\sqrt{3}}$
2. If $\sin 2\theta = \frac{1}{2}$ then what is the value of $\cos(75^\circ - \theta)$?
- (a) 1 (b) $\frac{1}{2}$
 (c) $\frac{\sqrt{3}}{2}$ (d) $\frac{1}{\sqrt{2}}$
3. If $\cos\theta = \frac{4}{5}$, then value of $\frac{\operatorname{cosec}\theta}{1+\cot\theta}$ is
- (a) $\frac{7}{5}$ (b) $\frac{2}{7}$
 (c) $\frac{5}{7}$ (d) $\frac{4}{7}$
4. Maximum value of $24 \sin\theta + 7 \cos\theta$ is
- (a) 7 (b) 17
 (c) 24 (d) 25
5. If $5 \tan\theta = 4$ then value of $\left(\frac{5 \sin\theta - 3 \cos\theta}{5 \sin\theta + 3 \cos\theta}\right)$ is
- (a) $\frac{1}{7}$ (b) $\frac{2}{7}$
 (c) $\frac{5}{7}$ (d) $\frac{2}{5}$
6. Find the value of $\frac{\sec\theta + \tan\theta - 1}{\tan\theta - \sec\theta + 1}$
- (a) $\frac{\sin\theta}{1 - \cos\theta}$ (b) $\frac{\cos\theta}{1 + \sin\theta}$
 (c) $\frac{\sin\theta}{1 + \cos\theta}$ (d) $\frac{\cos\theta}{1 - \sin\theta}$
7. Find the value of $\sin^6\theta + \cos^6\theta$
- (a) $1 - 3 \sin^2\theta \cos^2\theta$ (b) $1 - 6 \sin^2\theta \cos^2\theta$
 (c) $1 + 6 \sin^2\theta \cos^2\theta$ (d) $1 + 3 \sin^2\theta \cos^2\theta$
8. Find the value of $\sin\theta(1 + \tan\theta) + \cos\theta(1 + \cot\theta)$
- (a) $\sec\theta + \operatorname{cosec}\theta$ (b) $\sec\theta + \cot\theta$
 (c) $\tan\theta + \operatorname{cosec}\theta$ (d) $\cot\theta + \operatorname{cosec}\theta$
9. Find the value of $\frac{\cos A - \sin A + 1}{\cos A + \sin A - 1}$
- (a) $\tan A + \cot A$ (b) $\operatorname{cosec} A + \tan A$
 (c) $\sec A + \cot A$ (d) $\operatorname{cosec} A + \cot A$
10. If $\frac{\cos\theta}{1 - \sin\theta} + \frac{\cos\theta}{1 + \sin\theta} = 4$ then find the value of $\cos\theta$. Find θ if $0^\circ < \theta < 90^\circ$
- (a) 45° (b) 30°
 (c) 60° (d) 135°
11. If $4x = \sec\theta$ and $\frac{4}{x} = \tan\theta$ then the value of $8\left(x^2 - \frac{1}{x^2}\right)$ is
- (a) $\frac{1}{2}$ (b) $\frac{1}{4}$
 (c) $\frac{1}{16}$ (d) $\frac{1}{8}$
12. If $\sin\theta + \cos\theta = \sqrt{2} \cos(90^\circ - \theta)$ then the value of $\cot\theta$ is
- (a) $\sqrt{2}$ (b) $\sqrt{2} - 1$
 (c) $\sqrt{2} + 1$ (d) 0
13. If A and B are complementary angle then the value of $\sin A \cos B + \cos A \sin B - \tan A \tan B + \sec^2 A - \cot^2 B$ is
- (a) 1 (b) -1
 (c) 2 (d) 0
14. If $\sec\theta - \operatorname{cosec}\theta = 0$ then the value of $(\sec\theta + \operatorname{cosec}\theta)$ is
- (a) $\frac{1}{2}$ (b) $\frac{2}{\sqrt{3}}$
 (c) $\frac{-1}{\sqrt{3}}$ (d) $2\sqrt{2}$
15. If $u_n = \cos^n\alpha + \sin^n\alpha$ then the value of $2u_6 - 3u_4 + 1$ is
- (a) 1 (b) 4
 (c) 6 (d) 0

Solution:

- (b); $\sin(x+y) = \cos(3(x+y)) = \sin\left(\frac{\pi}{2} - 3(x+y)\right)$
 $\therefore (x+y) = 90^\circ - 3(x+y)$
 or, $4(x+y) = 90^\circ$
 or, $2(x+y) = 45^\circ$
 $\therefore \tan[2(x+y)] = \tan 45^\circ = 1$
- (b); $\sin 2\theta = \frac{1}{2} \Rightarrow 2\theta = 30^\circ \Rightarrow \theta = 15^\circ$
 $\therefore \cos(75^\circ - \theta) = \cos(75^\circ - 15^\circ) = \cos 60^\circ = \frac{1}{2}$
- (c); $\cos\theta = \frac{4}{5} = \frac{b}{h}$
 $\therefore p = \sqrt{h^2 - b^2} = \sqrt{25 - 16} = 3$
 Now, $\frac{\operatorname{cosec}\theta}{1 + \cot\theta} = \frac{h/p}{1 + \frac{b}{p}} = \frac{h}{p+b} = \frac{h}{3+4} = \frac{5}{7}$
- (d); Since maximum and minimum value of $a \cos\theta + b \sin\theta$ are respectively $\sqrt{a^2 + b^2}$ and $-\sqrt{a^2 + b^2}$.
 Hence maximum value of $24 \sin\theta + 7 \cos\theta = \sqrt{24^2 + 7^2} = \sqrt{576 + 49} = \sqrt{625} = 25$
- (a); (tricky solution), $5 \tan\theta = 4$
 $\Rightarrow \frac{5 \sin\theta}{\cos\theta} = 4 \Rightarrow \frac{5 \sin\theta}{3 \cos\theta} = \frac{4}{3}$
 By componendo-dividendo

$$\frac{5 \sin\theta - 3 \cos\theta}{5 \sin\theta + 3 \cos\theta} = \frac{4-3}{4+3} = \frac{1}{7}$$
- (d);
$$\begin{aligned} & \frac{\sec\theta + \tan\theta - 1}{\tan\theta - \sec\theta + 1} \\ &= \frac{(\sec\theta + \tan\theta) - (\sec^2\theta - \tan^2\theta)}{\tan\theta - \sec\theta + 1} \end{aligned}$$

$$\begin{aligned}
 &= \frac{(\sec \theta + \tan \theta) - (\sec \theta + \tan \theta)(\sec \theta - \tan \theta)}{\tan \theta - \sec \theta + 1} \\
 &= \frac{(\sec \theta + \tan \theta)(1 - \sec \theta + \tan \theta)}{(\tan \theta - \sec \theta + 1)} = \sec \theta + \tan \theta \\
 &= \frac{1}{\cos \theta} + \frac{\sin \theta}{\cos \theta} = \frac{1 + \sin \theta}{\cos \theta} \times \frac{1 - \sin \theta}{1 - \sin \theta} \\
 &= \frac{1 - \sin^2 \theta}{\cos \theta(1 - \sin \theta)} = \frac{\cos^2 \theta}{\cos \theta(1 - \sin \theta)} = \frac{\cos \theta}{1 - \sin \theta} \\
 7. \quad (a); \quad &\text{We know that } a^3 + b^3 = (a + b)^3 - 3ab(a + b) \\
 \therefore \sin^6 \theta + \cos^6 \theta &= (\sin^2 \theta)^3 + (\cos^2 \theta)^3 \\
 &= (\sin^2 \theta + \cos^2 \theta)^3 - 3 \sin^2 \theta \cos^2 \theta (\sin^2 \theta + \cos^2 \theta) \\
 &= 1^3 - 3 \sin^2 \theta \cos^2 \theta. \quad 1 = 1 - 3 \sin^2 \theta \cos^2 \theta
 \end{aligned}$$

$$\begin{aligned}
 8. \quad (a); \quad &\sin \theta(1 + \tan \theta) + \cos \theta(1 + \cot \theta) \\
 &= \sin \theta \left(1 + \frac{\sin \theta}{\cos \theta}\right) + \cos \theta \left(1 + \frac{\cos \theta}{\sin \theta}\right) \\
 &= \sin \theta \left(\frac{\cos \theta + \sin \theta}{\cos \theta}\right) + \cos \theta \left(\frac{\sin \theta + \cos \theta}{\sin \theta}\right) \\
 &= \\
 &(\cos \theta + \\
 &\sin \theta) \left(\frac{\sin \theta}{\cos \theta} + \frac{\cos \theta}{\sin \theta}\right) = (\cos \theta + \sin \theta) \left(\frac{\sin^2 \theta + \cos^2 \theta}{\cos \theta \sin \theta}\right) \\
 &= (\cos \theta + \sin \theta) \frac{1}{\cos \theta \sin \theta} = \frac{\cos \theta}{\cos \theta \sin \theta} + \frac{\sin \theta}{\cos \theta \sin \theta} \\
 &= \frac{1}{\sin \theta} + \frac{1}{\cos \theta} = \operatorname{cosec} \theta + \sec \theta
 \end{aligned}$$

$$9. \quad (d); \quad \frac{\cos A - \sin A + 1}{\cos A + \sin A - 1}$$

Dividing numerator and denominator by $\sin A$

$$\begin{aligned}
 \frac{\cot A - 1 + \operatorname{cosec} A}{\cot A + 1 - \operatorname{cosec} A} &= \frac{(\cot A + \operatorname{cosec} A) - 1}{(\cot A - \operatorname{cosec} A) + 1} \times \frac{\cot A - \operatorname{cosec} A}{\cot A - \operatorname{cosec} A} \\
 &= \frac{(\cot^2 A - \operatorname{cosec}^2) - (\cot A - \operatorname{cosec} A)}{\{(\cot A - \operatorname{cosec} A) + 1\}(\cot A - \operatorname{cosec} A)} \\
 &= \frac{-1 - \cot A + \operatorname{cosec} A}{(\cot A - \operatorname{cosec} A + 1)(\cot A - \operatorname{cosec} A)} \\
 &= \frac{-1}{\cot A - \operatorname{cosec} A} = \frac{1}{\operatorname{cosec} A - \cot A} = \operatorname{cosec} A + \cot A
 \end{aligned}$$

$$\begin{aligned}
 10. \quad (c); \quad &\text{Given } \frac{\cos \theta}{1 - \sin \theta} + \frac{\cos \theta}{1 + \sin \theta} = 4 \\
 \text{or, } \frac{\cos \theta(1 + \sin \theta) + \cos \theta(1 - \sin \theta)}{(1 - \sin \theta)(1 + \sin \theta)} &= 4 \\
 \text{or, } \frac{\cos \theta + \cos \theta \sin \theta + \cos \theta - \cos \theta \sin \theta}{1 - \sin^2 \theta} &= 4 \\
 \text{or, } \frac{2 \cos \theta}{\cos^2 \theta} &= 4 \quad \text{or, } \frac{2}{\cos \theta} = 4 \\
 \text{or, } \cos \theta = \frac{2}{4} = \frac{1}{2} & \quad \text{or, } \cos \theta = \cos 60^\circ \\
 \text{or, } \theta = 60^\circ &
 \end{aligned}$$

$$\begin{aligned}
 11. \quad (a); \quad &\because \sec^2 \theta - \tan^2 \theta = 1 \quad \therefore (4x)^2 - \left(\frac{4}{x}\right)^2 = 1 \\
 \Rightarrow 16\left(x^2 - \frac{1}{x^2}\right) &= 1 \quad \Rightarrow 8\left(x^2 - \frac{1}{x^2}\right) = \frac{1}{2}
 \end{aligned}$$

$$12. \quad (b); \quad \sin \theta + \cos \theta = \sqrt{2} \cos(90^\circ - \theta)$$

$$\text{or, } \sin \theta + \cos \theta = \sqrt{2} \sin \theta$$

$$\text{or, } \cos \theta = (\sqrt{2} - 1) \sin \theta$$

Dividing both sides by $\sin \theta$

$$\cot \theta = \sqrt{2} - 1$$

$$13. \quad (a); \quad \text{Given } A + B = 90^\circ \quad \text{or, } B = 90^\circ - A$$

$$\therefore \cos B = \sin A, \sin B = \cos A, \tan B = \cot A$$

And $\cot B = \tan A$

Hence given expression

$$= \sin A \sin A + \cos A \cos A - \tan A \cot A + \sec^2 A - \tan^2 A$$

$$= \sin^2 A + \cos^2 A - 1 + 1 = 1 + 1 = 1$$

$$14. \quad (d); \quad \sec \theta = \operatorname{cosec} \theta \Rightarrow \theta = 45^\circ$$

$$\therefore \sec \theta + \operatorname{cosec} \theta = \sec 45^\circ + \operatorname{cosec} 45^\circ = \sqrt{2} + \sqrt{2} = 2\sqrt{2}$$

$$15. \quad (d); \quad 2u_6 - 3u_4 + 1 = 2(\cos^6 \alpha + \sin^6 \alpha) - 3(\cos^4 \alpha + \sin^4 \alpha) + 1$$

$$= 2\{(\cos^2 \alpha + \sin^2 \alpha)^3 - 3 \sin^2 \alpha \cos^2 \alpha (\sin^2 \alpha + \cos^2 \alpha)\}$$

$$- 3\{(\cos^2 \alpha + \sin^2 \alpha)^2 - 2 \cos^2 \alpha \sin^2 \alpha\} + 1$$

$$(\because a^3 + b^3 = (a + b)^3 - 3ab(a + b), a^2 + b^2 = (a + b)^2 - 2ab,$$

here $a = \cos^2 \alpha$ and $b = \sin^2 \alpha$

$$= 2\{1 - 3 \sin^2 \alpha \cos^2 \alpha\} - 3\{1 - 2 \sin^2 \alpha \cos^2 \alpha\} + 1$$

$$= 2 - 6 \sin^2 \alpha \cos^2 \alpha - 3 + 6 \sin^2 \alpha \cos^2 \alpha + 1 = 0$$

Short Trick

Since all the options are independent of α , putting $\alpha = 0$
 $2u_6 - 3u_4 + 1$

$$\begin{aligned}
 &= 2(\cos^6 0 + \sin^6 0) - 3(\cos^4 0 + \sin^4 0) + 1 \\
 &= 2(1 + 0) - 3(1 + 0) + 1 = 0
 \end{aligned}$$



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Handy Notes Reasoning: Ranking and Direction

Ranking and direction is a very important chapter in reasoning section of any competitive exams.

There are usually 3 – 5 questions in any exam from the topic. So, as declared in the previous month edition we are here with detail concept of “Ranking and Direction” which will help a student in boosting their marks in the exam.

→ First we will discuss about “Ranking test”.

Ranking Test: In ranking Test, types of questions that comes in examination are : –

1. Rank of a particular person mentioned from left and right and the total number of persons are asked in the question.
 2. Sometimes, total number of persons are mentioned in the question and rank of a particular person from left are mentioned and rank from right is asked for that particular person.
 3. Sometimes, total number of persons are mentioned in the question and rank of a particular person from right are given and rank from left is asked for that particular person.
- ❖ There is one basic formula which will help you to solve questions of Ranking.

Total number of persons = [(Rank of a particular person from the left + Rank of same particular person from the right) – 1]

- ❖ There are important terms regarding this topic are : –
 ‘left’ which is also called ‘top’
 ‘right’ which is also called ‘bottom’

→ Let’s here a look on different types of examples : –

Which generally comes in exam : –

Example : Bikki ranks tenth from the top and seventh from the bottom in a certain exam

How many students are there in his class?

Solution :

Total number of students in the class

$$\begin{aligned} &= [(\text{Rank of Bikki from the top} + \text{Rank of Bikki from the bottom}) - 1] \\ &= (10 + 7) - 1 \\ &= 17 - 1 \\ &= 16 \end{aligned}$$

Example -2 : Shipra ranks fourth from the top and total number of students in the class are 35. Then find the rank of shipra from the bottom.

Solution :

As, one basic formula is discussed above

$$\text{Total number of students} = [(\text{left} + \text{right}) - 1]$$

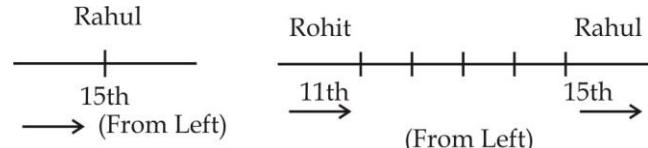
So, rank of Shipra from the bottom

$$= 35 - 3 = 32^{\text{nd}}$$

from the bottom

Example -3 : Rahul is 15th from the left end in a row of a boys and Rohit is 4th to left of Rahul. Then find the position of Rahul from the left end.

Solutions: -



Quick Approach : – (16 - 4) from left = 12th from left

Right + Right	= (-)
Left + Left	= (-)
Right + Left	= (+)
Left + Right	= (+)

By keeping above table in your mind, you can solve questions of Ranking in less time,

Example -4 : Raj is elder than Rajesh but not as elder than Piyush. Mahesh is elder than Piyush but not as elder as Rohit. Rohit is younger than Vivek but not as Gaurav who is eldest among all ?

Solution :

From the given information,

$$\text{Piyush} > \text{Raj} > \text{Rajesh} \quad \dots \dots \text{(i)}$$

$$\text{Rohit} > \text{Mahesh} > \text{Piyush} \quad \dots \dots \text{(ii)}$$

$$\text{Vivek} > \text{Rohit} > \text{Gaurav} \quad \dots \dots \text{(iii)}$$

Combining (i) (ii) and (iii) we get vivek is eldest among all

Example -5 : How many such pairs of letters are there in the word ‘LABOUR’ each of which has as many letters between them in the word (in both forward and backward direction) as they have between them in English alphabetical series.

Solution : –



Total number of word = 2

→ We can count from both forward and backward direction

Example -6: If the letter of the word “ANIKET” are arranged alphabetically from left to right. How many letters will remain at the same position.

Solution: – “Word ↗ “ANIKET”

Arranging alphabetically ↗ AEIKNT

So, four alphabets will remain at the same position i.e. “A, I, K, T”

Example -7: If position of A from left side of a row is 10th and position of B from right side of a row is 15th and only 2 person is sitting in middle of A & B. Find the minimum number of persons that can be seated in this row?

Solution:- In the question it is asked to find minimum number of persons in a row then it is always a case of overlapping ie given positions of persons from either sides overlap each other. For this type there is a short trick i.e.

Minimum no. of persons

= Sum of positions of person from both sides – person in middle of them –2

$$\text{So, total number of persons} = 10 + 15 - 2 - 2$$

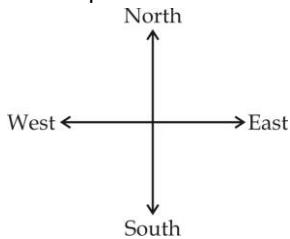
$$= 25 - 4$$

$$= 21$$

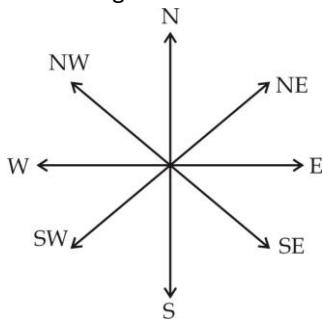
Direction Test: – Direction test are introduced to test the ‘sense of direction’ of the candidate. This test is for ascertain the final direction or distance between two points.

❖ Some important points which should keep in mind while solving direction test :-

1. Always try to use the direction planes as the reference for all the questions.



2. Always mark the starting point and end point different from other points.
3. Always be attentive while taking right and/or left turns.
4. While solving direction test, you should keep in mind the below diagram as reference :-

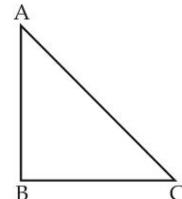


5. You should be aware of basic geometric rule, such as Pythagoras Theorem.

$$AC^2 = AB^2 + BC^2$$

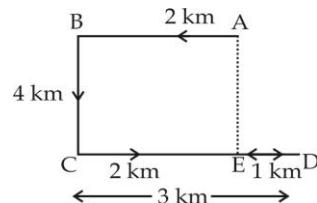
$$\therefore AC = \sqrt{AB^2 + BC^2}$$

Where, ΔABC is right-angled triangle



Example -1 : Amit walked 2km west of his house and then turned south covering 4 km. Finally he moved 3 km towards east and then again 1 km west. How far is he from the initial position 2.

Solution :-

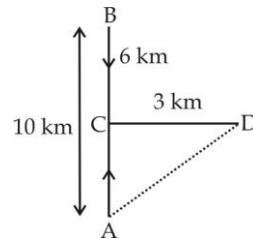


Amit starts from his house at A, moves 2 km west upto B, then 4 km to the south upto C, 3 km east upto D and finally 1 km west upto E, thus his distance from the initial position A will be AE.

$$\text{And, } AE = BC = 4 \text{ km.}$$

Example -2: Ramesh walks 10 km towards north. From there he walks 6 km towards south. Then he walks 3 km towards east. How far and in which direction is he with reference to his starting point?

Solution:-



Ramesh walks 10 km from A to B. After that 6 km south from B to C. And 3 km towards east from C to D. Therefore, his distance from starting point A

$$AD = \sqrt{AC^2 + CD^2}$$

$$= \sqrt{4^2 + 3^2} = 5 \text{ km in North East direction.}$$

- ❖ We have given our best to make you understand the concept of “Ranking and Direction” with some different examples with their explanation. Hope you will be able to get things clear. In our next edition we will provide the handy notes of “Statement and Assumption”.

So, stay connected with competition power

Handy Notes English : Simple Present Tense

Affirmative (Positive) Sentences

I, You, We They	like pizza.	have lunch at 11:00	do cycling everyday.
He, She, It	like pizza	have lunch at 11:00	do cycling everyday.

Rule 1: After I, you, we, and they simple form of verb is used.

Rule 2: After he, she it (3rd person singular) a final -(e)s is added to the simple form of the verb.

Negative Sentences

I, You, We They	Don't like pizza.	Don't have lunch at 11:00	Don't do cycling everyday.
He, She, It	Doesn't like pizza	Doesn't have lunch at 11:00	Doesn't do cycling everyday.

In the negative form of simple present tense, helping verbs (auxiliary verbs “DO and DOES” are necessary to use. After I, You, We They the helping verb **DO NOT (DON'T)** is used with the simple form of the verb.

Question Sentences

In question sentences, the helping verbs DO and DOES are used in the beginning of the sentences

Do	I, You, We They	like pizza.	have lunch at 11:00	do cycling everyday.
Does	He, She, It	like pizza	have lunch at 11:00	do cycling everyday.

Usage:

General Truths

The present simple tense is very often used to express general truths and factual statements.

- Water freezes at 0 degrees.
- The sun sets in the West.
- Flowers don't grow in winter.

Habitual Activities and Likes & Dislikes

When we want to state a fact or ask a question without any time reference, we use the present simple tense.

- She works very hard.
- I don't like horror films!

- Do you smoke?

Verbs Of The Senses And Mental Processes

The present simple tense is used for many verbs of thinking, feeling and sensing.

- I need to know the truth right now.
- She says she doesn't know who did it, but I don't believe her.
- Does he understand which way to go?

In film or book summaries

The present simple is also used to retell what happens in a book or film.

- In his new film Robert Redford plays the part of a brave cowboy.

To refer to the future

The present simple is often used to refer to future events that are scheduled (and outside of our control).

- Hurry up! The train departs in 2 minutes.
- There's no need to hurry. The train doesn't leave for another 20 minutes.

For instructions and directions

- Open the packet and pour the contents into hot water.
- To start the machine, press the green button on top.

Newspaper Headlines

Instantaneous Use/Sports Commentaries

Ronaldo passes the ball to Nani!

**THE BEST
PREPARATION FOR
GOOD WORK
TOMORROW IS TO
DO GOOD WORK
TODAY.**

$$6x^2 - 9x - 8 + 12 = 0$$

$$3x(2x - 3) - 4(2x - 3) = 0$$

$$x = \frac{4}{3}, \frac{3}{2}$$

$$\text{II. } 3y^2 - 7y + 4 = 0$$

$$3y^2 - 3y - 4y + 4 = 0$$

$$3y(y - 1) - 4(y - 1) = 0$$

$$y = 1, \frac{4}{3}$$

$$x \geq y$$

$$8. \text{ (a); I. } x = \sqrt{\frac{324}{576}}$$

$$x = \frac{18}{24} = \frac{3}{4}$$

$$\text{II. } 3y^2 + y - 2$$

$$3y^2 + 3y - 2y - 2$$

$$3y(y + 1) - 2(y + 1)$$

$$y = -1, \frac{2}{3}$$

$$x > y$$

$$9. \text{ (e); I. } x^2 = 64$$

$$x = \pm 8$$

$$\text{II. } y^2 = 49y$$

$$y = 49, 0$$

i.e. no relation

$$10. \text{ (c); I. } x^2 + 6x - 8 = 0$$

$$x^2 + 4x + 2x - 8 = 0$$

$$x(x + 4) + 2(x + 4) = 0$$

$$x = -4, -2$$

$$\text{II. } 41y + 17 = 140$$

$$41y = 123$$

$$Y = 3$$

$$y > x$$

$$11. \text{ (b); I. } x^2 + 3x - 28 = 0$$

$$x^2 + 7x - 4x - 28 = 0$$

$$x(x + 7) - 4(x + 7) = 0$$

$$x = -7, 4$$

$$\text{II. } y^2 + 16y + 63 = 0$$

$$y = -9, -7,$$

$$x \geq y$$

$$12. \text{ (e); I. } x = \sqrt[3]{2744}$$

$$x = 14$$

$$\text{II. } y^2 = 841$$

$$y = \pm 29$$

$$x \neq y$$

$$13. \text{ (e); I. } 8x^2 - 49x + 45 = 0$$

$$8x^2 - 40x - 9x + 45 = 0$$

$$8x(x - 5) - 9(x - 5) = 0$$

$$x = 5, \frac{9}{8}$$

$$\text{II. } 6y^2 - y - 7 = 0$$

$$6y^2 + 6y - 7y - 7 = 0$$

$$6y(y + 1) - 7(y + 1) = 0$$

$$y = -1, \frac{7}{6}$$

i.e. no relation

$$14. \text{ (c); I. } 42x - 17y = -67 \quad \dots(i)$$

$$7x + 12y = -26 \quad \dots(ii)$$

From eq. (i) & (ii)

$$x = -2, y = -1$$

$$y > x$$

$$15. \text{ (d); I. } x^2 - 8x + 15 = 0$$

$$x = 5, 3$$

$$\text{II. } 2y^2 - 21y + 55 = 0$$

$$2y^2 - 10y - 11y + 55 = 0$$

$$2y(y - 5) - 11(y - 5) = 0$$

$$y = 5, \frac{11}{2}$$

$$y \geq x$$



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MUST DO ONE-LINERS IN INDIAN POLITY FOR SSC CGL-2016

1. What is the minimum age needed to become a President of India?
– 35
2. What is the maximum age limit for the President? - **No age limits**
3. Who was the first president of India? - **Dr. Rajendra Prasad**
4. Who is the first Muslim president of India? - **Zakir Hussain**
5. Who is the first president to declare national emergency? - **Dr. S. Radhakrishnan**
6. Who is known as the Philosopher President of India? - **Dr. S. Radhakrishnan**
7. Who is the first Indian president to die in office? - **Zakir Hussain**
8. Who is the youngest President of India? - **Neelam Sanjiva Reddy**
9. In which year Supreme Court of India came into force? - **1950 January 28**
10. Who is the first chief Justice of India? - **Harilal J Kania**
11. Which article in Indian Constitution gives the power of Writ jurisdiction to Supreme court? - **Article 32**
12. What is the monthly salary of chief Justice of Supreme court? - **1 lakh**
13. What is the monthly salary of judge of Supreme court? - **90,000**
14. Who is the first female judge of supreme court? - **Fathima Beevi**
15. From Which country Indian Constitution Borrowed Fundamental Rights? - **America (USA)**
16. From Which country Indian Constitution Borrowed Supreme Court? - **America (USA)**
17. From Which country Indian Constitution Borrowed Preamble? - **America (USA)**
18. From Which country India Borrowed Written Constitution? - **America (USA)**
19. From Which country Indian Constitution Borrowed Fundamental Duties? - **Russia (USSR)**
20. From Which country Indian Constitution Borrowed Speaker in Lok Sabha? - **Britain (UK)**
21. From Which country Indian Constitution Borrowed Parliamentary Election? - **Britain (UK)**
22. From Which country Indian Constitution Borrowed 'Suspension of Fundamental Rights during the Emergency'? - **Germany**
23. From Which country Indian Constitution Borrowed Concurrent list? - **Australia**
24. From Which country Indian Constitution Borrowed Union - State List? - **Canada**
25. From Which country Indian Constitution Borrowed Amendment of the Constitution? - **South Africa**
26. Which amendment is known as Mini constitution? - **42nd amendment (1976)**
27. In which amendment did Right to property is removed from the Fundamental Rights? - **44th amendment (1978)**
28. In which amendment did the voting age is lowered from 21 to 18? - **61st amendment (1989)**
29. Which amendment lead to the creation of Panchayat Raj? - **73rd amendment (1992)**
30. Which article is known as Heart and Soul of the Constitution? - **Article 32**
31. Article 17 of the Indian Constitution provides for? - **Abolition of**

Untouchability

32. Fundamental Right are granted to citizens under which Article? - **Article 12 to 35**
33. 'Right to Equality' is guaranteed to the citizens of India under Article? - **Article 14**
34. Which article has banned employment of children below the age of 14 in hazardous industries and factories? - **Article 24**
35. Which article deals with the free and compulsory education to all children below 14 years of age? - **Article 45**
36. Which is the Article that provides special status to the state of Jammu and Kashmir? - **Article 370**
37. Which Article relates to the establishment of Finance Commission? - **Article 280**
38. Which Article deals with the Fundamental Duties? - **Article 51 A**
39. India became a republic on? - **January 26, 1950**
40. What is the maximum time interval between two successive sessions of the parliament? - **Six months**
41. In our constitution Education is included in the _____ list? - **Concurrent List**
42. Who is the first Acting president of India? - **V.V Giri**
43. Which article proclaims, India, that is Bharat, shall be a Union of States? - **Article 1**
44. By elections to any House of Parliament or any State Legislative Assembly is held within - **6 months**
45. Who was the first CAG of India? - **V. Narahari Rau**
46. Who is the custodian and guardian of the rights and privileges of the Members? - **Speaker**
47. Who is known as the 'Father of Local Self Government in India'? - **Lord Ripon**
48. Preamble is known as - The Soul of Indian Constitution
49. When was the first session of the Constituent Assembly held? - **9 December, 1946**
50. Under which Plan was the Constituent Assembly constituted? - **Cabinet Mission Plan**
51. Who was the President of the Constituent Assembly? - **Dr. Rajendra Prasad**
52. Who was the Chairman of the Drafting Committee? - **B. R. Ambedkar**
53. When was the drafting of the Indian Constitution completed and adopted? - **26 November, 1949**
54. When was the Constitution of India put into effect? - **26 January, 1950**
55. Who adopted the National Flag of India? - **The Constituent Assembly (July 1947)**
56. Who set forth the main objectives of the Constituent Assembly in the form of the Objective Resolution? - **Jawaharlal Nehru**
57. How is the President of India elected? - **By Electoral College**
58. Who presides over the session of the Rajya Sabha? - **The Vice-President of India**
59. Who appoints the Governors of States? - **The President of India**
60. What is the total number of members in the Lok Sabha? - **552**
61. What is the number of elected members in the Lok Sabha? - **530**
62. How many members constitute the Rajya Sabha? - **250**

A brief on Money Market and its Instruments

MONEY MARKET

It is a market for getting short-term loan with tenure of less than or equal to 1 year. It is regulated by the Reserve Bank of India. It is the market for short term financial instruments. Some of the major money market instruments are as follows:

- Certificate of Deposit (CD)
- Commercial Paper (CP)
- Inter Bank Participation Certificates
- Inter Bank term Money
- Treasury Bills
- Bill Rediscounting
- Call/Notice Money

The money market can be divided into 3 parts: Call Money, Notice Money Market and Term Money Market.

Call Money Market	Money lent or borrowed for one day
Notice Money Market	Money lent or borrowed for a period of 2-14 days.
Term Money Market	Money lent or borrowed for 15 days to one year.

Let's discuss some of the important money market instruments

Intro:

To meet the temporary receipt and expenditure mismatch, the government obtains over draft from RBI under **Ways & Means Advances**. For short term liquidity, it issues Cash Management Bills, Treasury Bills of 91 days, 182 days and 364 days maturity.

TREASURY BILLS

- ⊕ Are the instruments (in the form of promissory notes) of short term borrowing by the Central govt.
- ⊕ Are zero coupon securities which are issued at a discount and redeemed at face value at maturity.
- ⊕ Can be purchased by any one (including individuals) except State govt.
- ⊕ **Issued for a minimum amount of face value Rs. 1 lakh and in multiples.**
- ⊕ **Maturity of TB's is:** 91 days, 182 days and 364 days.

CASH MANAGEMENT BILLS (CMB)

- ⊕ A short term security to be sold by Govt. of India to raise temporary money for cash management needs.

- ⊕ The tenure of CMB is less than 91 days.
- ⊕ Are zero coupon securities which are issued at a discount and redeemed at face value at maturity.

CERTIFICATE OF DEPOSIT

- ⊕ CDs are issued in the form of Usance Promissory note. It can also be issued in De-materialisation form only.
- ⊕ It is issued by Scheduled commercial banks (except RRBs) & All India Financial Institutions within their 'Umbrella limit'.
- ⊕ It can be issued for minimum 7 days to maximum 12 Months (in case of FIs minimum 1 year and maximum 3 years).
- ⊕ The minimum amount in which CDs can be issued is Rs. 1 lakh & in multiples of Rs. 1 lakh.

COMMERCIAL PAPER

CP is a short term money market instrument issued as an unsecured **usance promissory note** and privately placed.

It can be issued by companies, primary dealers (PDs) and all-India financial institutions (FIs).

It can be issued for minimum 7 days & maximum upto one year.

The minimum amount in which CPs can be issued is Rs. 5 lakh or multiples thereof.

Let's look at the brief on CAPITAL MARKETS

Capital market is the market for long term funds. It is divided into (a) gilt edged market and (b) the industrial securities market.

The **gilt edged market** refers to the market for govt. and semi-govt. securities which are traded in the market.

The **industrial securities market** refers to the market for shares and debentures of old as well as new companies. This market is further divided as **primary market and secondary market**.

The **primary market** refers to the set-up which helps the industry to raise funds by issuing different types of securities, which are issued directly to the investors, both individual and institutions.

The **secondary market** refers to the network for subsequent sale and purchase of securities, after these are issued.

Handy Notes Computer: History of Computer

The word "computer" was first recorded as being used in the early 17th century and was originally used to describe a person who performed calculations or computations.

The definition of a computer remained the same until the end of the 19th century when it began referring to a machine that performed calculations. So by definition mankind has been using computers ever since the invention of abacus which was the first mechanical calculator.

When was the first computer invented?

There is no easy answer to this question due to the many different classifications of computers.

The first mechanical computer, created by Charles Babbage in 1822, doesn't really resemble what most would consider a computer today.

In 1822, Charles Babbage conceptualized and began developing the Difference Engine, considered to be the first automatic computing machine.

In 1837, Charles Babbage proposed the first general mechanical computer, the Analytical Engine. The Analytical Engine contained an Arithmetic Logic Unit (ALU), basic flow control, and integrated memory concept and is **the first general-purpose computer**.

In that era Ada Lovelace was also working with Charles Babbage and she is known as the **first computer programmer** chiefly known for her work on analytical engine.

In 1946, ENIAC- Electronic Numerical Integrator and Computer was the first electronic general-purpose computer or we can say the first digital computer. It was the first large-scale computer to run at electronic speed without being slowed by any mechanical parts. And it was invented by **J.Presper Eckert and John W. Mauchly**.

They also invented EDVAC- Electronic Discrete Variable Automatic Computer in 1949

In 1951, UNIVAC- Universal Automatic Computer was developed and it was the first general purpose computer for commercial use. Unlike its predecessor the ENIAC, it was binary rather than decimal.

Next came the invention of an very important device, i.e. computer mouse

In 1964, Douglas Engelbart invented the first computer mouse

Researchers and people at that time required the ability to interact with information displays using some sort of device to move a cursor around the screen. There were several devices then in use, or being considered for use: the light pen, joysticks, etc. **Douglas Engelbart** however was looking for the best and the most efficient device. And hence to feed the need of the hour, computer mouse was invented.

In 1971, Intel 4004 was released by Intel. It was the first 4-bit CPU released by Intel for commercial use.

Then came the 1980s when LISA was developed. The Apple Lisa was a personal computer designed at Apple Computer, Inc. during the early 1980s. Officially, "Lisa" stood for "Local Integrated Software Architecture", but it was also the name of Apple co-founder Steve Jobs' daughter. **It was the first personal computer to offer a graphical user interface in a machine.**

Graphical user interface (GUI), is a type of user interface that allows users to interact with electronic devices through graphical icons and visual indicators. If they had not invented GUI the computer experience would not have been so interesting, imagine if you have to type each and everything to make your device execute a simple instruction such as opening a file moving to another folder. Graphical user interface (GUI) brought a major change in computer experience.

That was all about the important history of computers.

Generations of Computer:

A generation refers to the state of improvement in the product development process. And by generation of computers we mean transition of the earlier machines to today smart devices.

Subject	1 st Generation	2 nd Generation	3 rd Generation	4 th Generation	5 th Generation
Period	1940-1956	1956-1963	1964-1971	1971-present	present & beyond
Circuitry	Vacuum tube	Transistor	Integrated chips (IC)	Microprocessor (VLSI)	ULSI (Ultra Large Scale Integration) technology
Memory Capacity	20 KB	128KB	1MB	Magnetic core memory, LSI and VLSI. High Capacity	ULSI
Processing Speed	300 IPS instructions Per sec.	300 IPS	1MIPS (1 million inst. Per sec.)	Faster than 3 rd generation	Very fast
Programming Language	Machine Language	Assembly language & early high-level languages(FORTRAN, COBOL, ALGOL)	C,C++	Higher level languages C,C++,Java	All the Higher level languages, Neural networks,
Example of computers	UNIVAC, EDVAC	IBM 1401, IBM 7094, CDC 3600,D UNIVAC 1108	IBM 360 series, 1900 series	Pentium series Multimedia,	Artificial Intelligence, Robotics

Instructions Per sec. are the measure of computer's processor's speed.

In **first generation** computers used vacuum tubes for circuitry and magnetic drums for memory, and they were huge, taking up entire rooms. They used machine language which is the lowest-level programming language. Examples are UNIVAC and EDVAC.

In **second generation** transistors were used. The transistor was far superior to the vacuum tube, allowing computers to become smaller, faster, more energy-efficient and more reliable than the first-generation computers. In second generation the use of assembly language and early-high level language became popular. Languages according to their generation were also sometimes represented as 1GL, 2GL, 3GL.

Then after second generation came the **third generation** computers. The important change in third generation was the development of IC's-integrated circuits. Now many parts were miniature and placed on a chip. In this generation there was a drastic increase in efficiency of computes and also they consumed less power in comparison to first and second generation.

In the **fourth generation** Intel earned the big bucks from Intel 4004. The chip-maker developed the Intel 4004 chip in 1971, which positioned all computer components onto a single chip. In 1981 IBM introduced its first computer for the home user, and in 1984 Apple introduced the Macintosh. And the industry of microprocessors bloomed. The increased power of small computers meant they could be linked, creating networks and this ultimately led to the development, birth and rapid evolution of the Internet.

- All types of high level languages is used for fourth generation computers.
- Fourth generation computers are portable.
- Generates less heat than the previous generation computers.

The **fifth generation** computers are still in development. They use Ultra large scale integrated (ULSI) chips that contains millions of components on a single chip. These computing devices are based on artificial intelligence and are still in development, although voice recognition is also under 5th generation which is being used today. It is said that the aim of the fifth generation is to create machines which can process and respond to natural language, and have capability to learn and organise themselves.

And in future we can expect some flabbergasting feature in our PCs probably.

सीमित साधनों में उठायें अवसरों का लाभ

हम सभी की आवश्यकताएं, हमारी शैली अन्यों से भिन्न होती है। हमें से किसी का भी जीवन एक जैसा नहीं होता। हमें साधनों की उपलब्धि भी कभी स्वयं की मेहनत से तो कभी विरासत में परिवार से प्राप्त होती है। फिर भी हम अपने लक्ष्य के प्रति सफलता या असफलता की तुलना दूसरों से करते हैं। हम कई बार अपने प्राप्त परिणामों की तुलना दूसरों के परिणामों से करते हुए भूल जाते हैं कि प्रत्येक स्थिति अपने आप में अलग होती है, ऐसे में उससे मिलने वाले परिणाम भी अलग होंगे। हम प्राप्त परिणामों में खुद को तभी असफल मानते हैं, जब इसकी तुलना दूसरों से करते हैं। इसे इस छोटी सी कहानी के माध्यम से भी समझा जा सकता है।

किसी कंपनी में एक व्यक्ति चपरासी की नौकरी के लिए इंटरव्यू देने गया। इंटरव्यू के दौरान उससे कहा गया कि वह सबको चाय बना कर



पिलाए। सभी ने चाय की बहुत तारीफ की। इससे वह व्यक्ति अपने प्रेक्टिकल टैस्ट में पास तो हो गया लेकिन इसके बाद उससे उसका ईमेल आईडी मांगी गई।

व्यक्ति का कहना था कि उसका कोई ईमेल नहीं है और न ही उसके पास कंप्यूटर है। यह सुन कर इंटरव्यूअर ने उसे नकारते हुए कहा कि, 'अगर तुम्हारे पास ईमेल नहीं है तो इतनी बड़ी कंपनी में तुम बिना ईमेल के काम नहीं कर सकते, इसलिए तुम्हें यह नौकरी नहीं दी जा सकती।' यहाँ व्यक्ति को निराशा हाथ लगी। उस समय उसकी जेव में केवल पांच सौ रुपए थे। उसे अपना घर भी छलाना था और बड़ों के स्कूल की फीस भी देनी थी। फिर भी उसने हार नहीं मानी।

अगले दिन वह सब्जी मंडी पहुंचा और उसने उन पांच सौ रुपए के आलू खरीद लिए। अगला पूरा दिन उसने घर-घर जाकर आलू बेचे और शाम तक उसे तीन सौ रुपए का फायदा हुआ। अगले दिन भी उसने यही किया और फिर कुछ मुनाफा प्राप्त किया। अब वह हर रोज यही करने लगा। वक्त गुजरने के साथ-साथ उसे अच्छा-खासा मुनाफा होने लगा और पांच वर्षों बाद उसने अपनी छोटी सी कंपनी बना ली। वक्त के साथ उसकी कंपनी देश की सबसे अच्छी फूड रिटेलर कंपनियों में गिनी जाने लगी। उसकी सफलता एक संवाददाता उसका इंटरव्यू लेने आया। बातचीत के अंत में

उसने उस व्यक्ति का ईमेल मांगा। उस व्यक्ति ने कहा कि उसका कोई ईमेल नहीं है। संवाददाता ने हैरान होकर कहा, 'ईमेल होना कितना जरूरी होता है। यदि आपका ईमेल होता तो आप कितने सफल होते, क्या आप जानते हैं?' वह व्यक्ति बोला, 'मेरे पास ईमेल होता तो आज मैं एक कंपनी में चपरासी होता।'

वास्तव में, हम सबके पास सारे संसाधन नहीं हो सकते, पर जितना कुछ हमारे पास है, उसका हम कितना लाभ उठा पाते हैं, सफलता के असली मायने यही हैं। हमें केवल अपने सीमित साधनों का सदुपयोग करना होता है। यही हमें जीने की राह भी दिखाता है। हमें सीमित संसाधनों का उपयोग कर ही आगे बढ़ना होता है। इनके साथ उच्च जीवन-आदर्श स्थापित कर देना मनुष्य की महानता का सूचक है, इसलिए व्यक्ति को कम-से-कम संसाधनों से सफलता पाने के प्रयास करने चाहिए। संसाधनों की अधिकता हमें कमजोर बना देती है और हम आलस्य और लोभ की ओर चले जाते हैं। ऐसी स्थिति में मनुष्य अपने मार्ग व लक्ष्य से भटकता जाता है तथा कुपय पर चलने लगता है। दरअसल हमें संसाधनों की प्राप्ति के बाद अवसरों की भी खोज स्वयं करनी होती है। आपने कई बार दूसरों को यह कहते हुए सुना होगा या कभी स्वयं भी यह कहा होगा कि 'हमें अवसर ही नहीं मिला।' लेकिन यह अपनी जिम्मेदारी से भागने और अपनी गलती को छुपाने का बस एक बहाना होता है। ईश्वर ने हमें देरों अवसरों के बीच जन्म दिया है। अवसरों का उसी समय लाभ उठाना आवश्यक है जिस समय वे हमारी नज़र में आयें, तभी हम समय के साथ आगे बढ़ने में कामयाब हो सकेंगे। मौके सभी को मिलते हैं लेकिन कुछ गवां देते हैं तो कुछ समय से उन्हें पकड़ लेते हैं। अवसर हमेशा हमारे सामने से आते-जाते रहते हैं, पर हम उन्हें पहचान नहीं पाते या पहचानने में देर कर देते हैं। और कई बार हम सिर्फ इसलिये चूक जाते हैं, क्योंकि हम बड़े अवसर की ताक में रहते हैं, पर अवसर बड़ा या छोटा नहीं होता। हमें हर अवसर का भरपूर उपयोग करना चाहिए। आज भले ही हमें वह न मिले, जो हम चाहते हैं, मगर उस ओर बढ़ाया गया एक कदम एक न एक दिन हमें मनचाही सफलता जरूर दिलवा देता है। अवसरों के प्रति निरंतर तैयार रहना ही खुद को प्रेरित करते रहना होता है। हम स्वयं से जितने अधिक प्रेरित होंगे, हमारी मंजिल भी उतनी ही करीब होगी।

- वन्दना शर्मा

THE HINDU REVIEW : JULY 2016

1. Shri Suresh Prabhakar Prabhu, Minister of Railways has launched "NIVARAN portal", an online system for redressal of service related grievance of serving and former railway employees.
2. Indigenously built Light Combat Aircraft (LCA) Tejas inducted into IAF.
3. Balal village in Kasargode district in the state of Kerala is one of the 21 villages selected across the country by the State Bank of India under the SBI Digital Village initiative.
4. D K Hota has been appointed as Chairman & Managing Director (CMD) of Bharat Earth Movers Ltd. (BEML).
5. World famous futurist, writer Alwin Toffler dies at 87
6. India's first integrated defence communication network was launched, enabling the army, air force, navy and the Special Forces Command to share situational awareness for a faster decision-making process.
7. The Union Cabinet has granted its approval to set up India Post's payments bank, 650 branches of which will be made operational by September 2017.
8. Indian goalkeeper Gurpreet Singh Sandhu makes history again, becomes first Indian to feature in Europa League.
9. Sameer emerges fastest athlete by winning gold in 100 meter dash in 10.60 seconds at the 56th National Inter-state Senior Athletics Championships in Hyderabad.
10. Prime Minister Narendra Modi's address 'Mann Ki Baat' to be broadcast in Bangladesh.
11. Ministry grants recognition to Paralympic Committee of India
12. Reliance Industries Limited (RIL) has signed a shareholder agreement with State Bank of India (SBI) to set up payments bank.
13. Maharashtra target of planting 2 crore trees in state crossed
14. India jumps 19 places on World Bank Logistics Performance Index; moves to 35th rank.
15. The Union Agriculture & Farmers Welfare Minister, Shri Radha Mohan Singh has launched Crop Manager for Rice-based Systems (CMRS) a web-based App for better crop and Nutrient management released for Bihar farmers in a program organised at ICAR-RCER in Patna.
16. State Bank of India launches two new digital offerings. SBI has partnered with Flipkart to offer its consumers the facility of pre-approved EMI Facility on purchases. The bank also launched a social media banking platform for Facebook and Twitter users, called 'SBI Mingle'.
17. Rapid Rural Police Response System launched in Punjab
18. Renowned Marathi literary scholar R C Dhere passed away.
19. The 2nd BRICS Youth Summit concludes in Guwahati. The theme of the summit was "Youth as bridge for intra-BRICS exchanges".
20. India's first Commercial Court and Commercial Disputes Resolution Centre inaugurated in Chattisgarh.
21. The multinational exercise Rim of the Pacific (RIMPAC)2016 - World's largest international maritime exercise held in the Pacific Ocean at Hawaii, United States.
22. BRICS' meeting on energy efficiency begins in Visakhapatnam.
23. President inaugurates smart village pilot project at Rashtrapati Bhavan. The five villages which will be developed into the smart villages under this pilot project are Daula, Alipur, Harichandpur and Taj Nagar from Gurgaon district and Rojka Meo from Mewat district of Haryana.
24. Prime Minister Narendra Modi has attended a commemorative event to mark the 300th Martyrdom Anniversary of Baba Banda Singh Bahadur in New Delhi.
25. India and Cyprus have agreed to revise their tax treaty under which capital gains tax will be levied on the sale of shares of investments made after April 1, 2017.
26. China has hoisted the final piece into position on what will be the world's largest radio telescope, which it will use to explore space and help in the hunt for extraterrestrial life.
27. State Bank of India (SBI) and the World Bank have inked agreements for a \$625 million (around Rs 4,200 crore) facility to support grid-connected rooftop solar programme (GRPV) in the country.
28. Linda Burney becomes first Indigenous woman elected to the House of Representatives (lower house) of the Parliament of Australia's lower house
29. Ex-MP Ranji player Kapil Seth passed away
30. US Oscar-winning director of the film the Deer, Hunter Michael Cimino has died at the age of 77.
31. Elie Wiesel, a Holocaust survivor and author who fought for peace, human rights and simple human decency, has died at the age of 87.
32. Michel Rocard, former Prime Minister of France, passed away in Paris, France. He was 85.
33. India set to host South Asian Basketball Association (SABA) Zone Qualifying Round of the FIBA Asia Challenge 2016 at Bangalore.
34. India will be hosting the world's first Mixed Martial Arts (MMA) 'Super Fight League'.
35. India's badminton player B Sai Praneet has won the Canada Open Grand Prix Badminton tournament and also it's Rio Olympics-bound men's doubles pair of Manu Attri and B

- Sumeeth Reddy have also won titles Canada Open Grand Prix badminton tournament in Calgary.
36. Lewis Hamilton wins Austrian Grand Prix
37. New 19 Ministers inducted and 1 elevated to the Cabinet rank into PM Modi's Cabinet
38. Centre to allot Rs 400 Crore for developing airports at Agra, Allahabad, Kanpur and Bareilly in Uttar Pradesh.
39. The National mineral exploration policy has been unveiled to adopt comprehensive exploration of non-fuel and non-coal mineral resources.
40. Jawaharlal Nehru Port becomes India's first port to implement Logistics Data Tagging of Containers.
41. Mission Indradhanush to next cover 13 MP districts.
42. The central government has given its nod for renaming Mhow railway station in Indore district of Madhya Pradesh after BR Ambedkar as the Dalit icon was born there.
43. Gurgaon-based online pharmacy 1mg has acquired diagnostic labs aggregator Medd (HolaMed Healthcare Technologies Pvt. Ltd) for an undisclosed amount.
44. NASA's Juno successfully enters Jupiter's orbit.
45. Sudarshan Sen appointed Executive Director of RBI. He will replace NS Vishwanathan.
46. Microfinance Institutions Network (MFN) announced R Baskar Babu, CEO of Suryoday Micro Finance as its new President.
47. K B Koliwad elected as Speaker of Karnataka Legislative Assembly.
48. Veteran communist leader and former World Peace Council president Romesh Chandra has passed away in Mumbai. He was 94 years old.
49. The Olympians Association of India (OAI), the first-ever association for Indian Olympians, by the Olympians, was launched. Five-time Olympian Shiva Keshavan will serve as the association's first president.
50. Saudi Arabia was unanimously elected as the 39th Associate Member of International Cricket Council's (ICC) during its full council meeting in Edinburgh.
51. Bengaluru para-swimmer Niranjan Mukundan has won eight medals, including three golds, at the recently-concluded IWAS (International Wheelchair and Amputee Sports) U-23 World Games in Prague, Czech Republic.
52. World's largest charkha unveiled at IGI Delhi airport. It is 9 feet wide, 17 feet tall and 30 feet long.
53. The Union Cabinet chaired by the PM approved the signing of a Memorandum of Understanding (MoU) between India and Mauritius in the field of Rural Development and Poverty Alleviation.
54. The Union Cabinet gave approval to a joint issue of postage stamps between Department of Posts and Portugal Post.
55. The Union Cabinet has also given its approval for signing of a MoU between India and Mozambique on Drug demand reduction and prevention of illicit trafficking in narcotic drugs, psychotropic substances and precursor chemicals and related matters and for import of pulses.
56. The Union Cabinet has also approved a National Apprenticeship Promotion Scheme. The Scheme has an outlay of Rs. 10,000 crore with a target of 50 lakh apprentices to be trained by 2019-20.
57. The Union Cabinet has also approved the signing of a Memorandum of Understanding (MoU) between India and Tanzania in the field of Traditional Systems of Medicine and Homeopathy.
58. The Union Cabinet chaired by the Prime Minister Narendra Modi has given its 'in-principle' approval for setting up a Major port at Enayam near Colachel in Tamil Nadu.
59. Cabinet Committee on Economic Affairs approved an increase in foreign investment from the current approved level of 62% to 74%.
60. The Telecom Regulatory Authority of India (Trai) launched a mobile app (TRAI Myspeed App) for measuring real-time internet speeds that consumers get.
61. The President of India, Shri Pranab Mukherjee inaugurated Swami Vivekanand Sabhagar at Kathak Kendra of Sangeet Natak Akademi in New Delhi.
62. Rajasthan has become the first state in the country to introduce minimum wages for part-time workers. Nation pays homage to the veteran leader and great freedom fighter and administrator Babu Jagivan Ram on his death anniversary at Samta Sthal near Rajghat in New Delhi.
63. Prime Minister Narendra Modi has led Parliamentarians in paying tribute to former Parliamentarian, Minister in the first cabinet post independence and founder of Bharatiya Jana Sangh Dr. Syama Prasad Mookerjee on his birth anniversary at the Parliament house.
64. The world famous Rath Yatra or chariot festival of Lord Jagannath begins in Puri, Odisha as well as in different parts of the country.
65. Aditya Birla Fashion and Retail (ABFRL) has stated that it will acquire global clothing brand 'Forever 21' in the Indian market for USD 26 million (around Rs. 175.52 Crore).
66. The Centre has announced the appointment of R Thiruppathi Venkatasamy as Accountant General, economic and revenue sector audit, of Tamil Nadu with immediate effect.
67. Essel Group's education arm Zee Learn has appointed Debshankar Mukhopadhyay as Chief Executive Officer.
68. Noel Neill, the first actress to play Superman's love interest, has passed away at the age of 95.

69. Iranian director Abbas Kiarostami, whose 1997 film "Taste of Cherry" won the prestigious Palme d'Or at the Cannes Film Festival, has passed away following a prolonged illness in Paris. He was suffering from Cancer and was 76 years old.
70. Javelin thrower Annu Rani has bettered her national record with a 59.87m throw at the 56th National Inter-State Senior Athletics Championships in Hyderabad.
71. Bengali cine star Jeet has acquired the Kolkata franchise of the first-ever multi-nation Premier Futsal League (PFL), which is scheduled to start on July 15. The team will be known as 'Kolkata 5s'.
72. In the first leg of his four-nation tour of African countries, Prime Minister Narendra Modi has reached Maputo, the capital of Mozambique.
73. Giving a major boost to Namami Gange Programme, Union Minister of Water Resources, River Development and Ganga Rejuvenation inaugurated 231 projects at various locations.
74. India has slipped by two places to 91st position in the recently released 2016 Networked Readiness Index (NRI) by the Geneva-based World Economic Forum (WEF). It is topped by Singapore.
75. The Finance Ministry of Government of India has constituted a four members committee to examine the feasibility and desirability of having a new financial year. The Committee will be headed by Dr. Shankar Acharya (former Chief Economic Adviser).
76. A three-day Woodpecker Environment and Wildlife Film Festival held at historic Gaiety Theatre in Shimla.
77. China has inducted its largest indigenously-built transport aircraft, which is named as Y-20.
78. SBI Cards and Payment Services (SBI Card), the third-largest card issuer by number has launched a premium credit card 'Elite'. Elite is a bundle of several privileges and benefits for high net worth individuals (HNIs).
79. Search giant Google has acquired a French startup called Moodstock.
80. Travel planning and booking site TripAdvisor has appointed Gary Fritz as its Chief Growth Officer and President of the Asia-Pacific region.
81. Principal Secretary Irrigation Deepak Singhal has been appointed the new Chief Secretary of Uttar Pradesh.
82. Telecom tower company Indus Towers has announced the appointment of Tejinder Kalra as its Chief Operating Officer.
83. Senior bureaucrat S K Kohli has been appointed as Controller General of Defence Accounts (CGDA).
84. South African writer Lidudumalingani Mqombothi has won the '2016 The Caine Prize' for African Writing for his story 'Memories we Lost'.
85. India has set up an apparel training centre in Nigeria to support textiles industry of the west African country.
86. Agriculture Minister launched an online portal designed to monitor the functioning of nearly 645 Krishi Vigyan Kendras (KVKs), known as farm-science centres, spread across the country.
87. During the Prime Minister Narendra Modi's visit to the South African country Mozambique, India and Mozambique have signed three agreements in the area of drug trafficking (1st), pulse trading (2nd) and youth affairs & sports (3rd).
88. The second phase of Haritha Haram programme of Telangana government has been launched. The Haritha Haram programme aimed to plant 46 crore plants to improve green belt.
89. The West Bengal Government has taken up a project to set up three biotechnology hubs across the state. The three proposed biotechnology hubs will come in Bardhaman, Kalimpong and Medinipur districts.
90. The Union Home Minister Shri Rajnath Singh has inaugurated the second anti-drug Working Group meeting of Heads of Drug Control Agencies of BRICS countries in New Delhi.
91. IMF has announced a \$5.34 billion program for Iraq to help strengthen the country's finances, hit by the crash in oil prices and the fight against the Islamic State group.
92. National Association of Software and Services Companies (Nasscom) has unveiled India's first centre of excellence focused on Internet of Things (CoE- IoT) at its Startup Warehouse in Bengaluru.
93. IDFC Mutual Fund has announced the appointment of Mr. Vishal Kapoor as its chief executive officer.
94. Consumer business director of Bharti Airtel Mr. Srinivas Gopalan has quit the company and is all set to join Deutsche Telekom from October 1st as a member of new board management for Europe business.
95. Veteran music director Om Prakash Sonik, also known as Omi, part of the Sonik-Omi duo, has passed away in Mumbai following a brief illness. He was 77 years old.
96. Indian gymnast Dipa Karmakar was named a 'Gymnaste de Classe Mondiale' (World class gymnast) by the International Gymnastics Federation (FIG).
97. India and South Africa have signed memorandums of understanding (MoUs) in four areas of co-operation. The agreement signed in the area of information and communication technology, tourism, grass root innovation in the science and technology sector & arts and culture.
98. India has handed over 30 SUVs to Mozambique. With this India completed the delivery of 4.5 million US dollar grant assistance as part of supporting the institutions of this African country.

- 99.** NATO Summit held in Warsaw, Poland.
- 100.** Commerce and Industry Minister Nirmala Sitharaman will lead a delegation of over 110 Indian companies that will showcase their engineering prowess at a trade fair in Russia.
- 101.** Kerala Government imposes 14.5 per cent fat tax on Junk Food
- 102.** Chief Operating Officer of Microsoft Kelvin Turner has resigned.
- 103.** Radhika Menon will become the first woman in the world to receive the Award for Exceptional Bravery at Sea from the International Maritime Organisation.
- 104.** The country's largest IT services firm Tata Consultancy Services stated that its non-Executive Director Phiroz Vandrevala has resigned from the company.
- 105.** Sanjay Gupta has been appointed as Chairman and Managing Director (CMD) of Konkan Railway Corporation Ltd (KRCL).
- 106.** The Advertising Agencies Association of India (AAAI) announced that Srinivasan K Swamy, Chairman of R K Swamy Hansa, would be the recipient of this year's AAAI Lifetime Achievement Award.
- 107.** Noted Pakistani philanthropist, social activist, ascetic and humanitarian Abdul Sattar Edhi has passed away in Karachi. He was 88 years old.
- 108.** Tripura Governor Tathagata Roy was sworn-in as the acting Governor of Arunachal Pradesh.
- 109.** The Defense Research and Development Organization (DRDO) has signed an agreement with IIT-Bombay and Madras to establish a bi-nodal 'Centre of Propulsion Technology' (CoPT) at the two institutions.
- 110.** Spanish train Talgo clocks 120kmph during Mathura-Palwal trial
- 111.** The Finance Ministry has imposed definitive anti-dumping duty on purified terephthalic acid (PTA) imports from China, Iran, Taiwan, Indonesia and Malaysia.
- 112.** Women and Child Development Minister Maneka Gandhi announced a cyber-cell in New Delhi to keep a check in this regard. If they are being abused or harassed on social media platforms using the hashtag #IamTrolledHelp.
- 113.** China Navy Conducts Combat Drill in the South China Sea.
- 114.** Former Indian international footballer Amal Dutta, who was also the first professional football coach of the country, passed away in his Kolkata residence. He was 86.
- 115.** Telecom Ministry is believed to have cleared the Rs 3,500-crore 4G spectrum trading deal between service providers Bharti Airtel and Aircel.
- 116.** Astronomers discover planet with 3 suns located 340 light years from Earth
- 117.** Wimbledon Championships 2016 winners in Men's Singles Title is Britain's Andy Murray who defeated Milos Raonic of Canada. Women's Singles Title: American Serena Williams, who won her seventh Wimbledon singles crown victory over Germany's Angelique Kerber.
- 118.** Formula 1 world champion Lewis Hamilton from Great Britain has won the 2016 British Grand Prix title of Formula 1.
- 119.** Portugal defeated France 1-0 to win their first ever EURO championship at Saint-Denis in Paris France.
- 120.** India & Kenya ink seven agreements.
- 121.** Justice Sushila Karki took charge as the first woman chief justice of Nepal's Supreme Court.
- 122.** The President of India, Shri Pranab Mukherjee conferred the 51st Jnanpith Award on the renowned writer, Dr. Raghuveer Chaudhari.
- 123.** D Rajkumar and Utpal Bora has appointed as Chairman and Managing Director (CMD) of Bharat Petroleum Corporation Ltd (BPCL) and Oil India Ltd, respectively.
- 124.** Aditya Puri, the chief executive and managing director (MD) of the second largest private sector lender HDFC Bank, has been ranked as the best banking CEO in Asia by the investor community.
- 125.** The bank's chief financial officer Sashi Jagdishan has been ranked as the best CFO.
- 126.** Ministry of Health launches Nationwide Intensified Diarrhoea Control Fortnight (IDCF)"
- 127.** Maharashtra Police launches 4 apps for timely intervention into emergency situations.
- 128.** The Karnataka Region Economic and Trade Organisation (KRETO) and the Sanya People Municipal Government, China, signed a memorandum of understanding (MoU) to foster trade between Sanya City and Karnataka.
- 129.** Lafarge-Holcim has entered into an agreement with Nirma Ltd to sell its entire 100% holding in cement maker Lafarge India for an enterprise value of \$1.4 billion.
- 130.** Sprinter Dharambir Singh and Jinson Johnson along with Triple jumper Renjith Maheshwari were the latest athletes to join the line for representing the country at the Olympics in Brazil.
- 131.** Indian Navy has commissioned INS Karna, an independent base of Marine Commandos (MARCOS) at Bheemunipatnam Naval Base, Visakhapatnam, Andhra Pradesh.
- 132.** Najma Heptulla & G M Siddeswara quit Modi Cabinet.
- 133.** State Bank of India (SBI), has signed a memorandum of understanding (MoU) with the Indian Institute of Technology Society for Innovation and Entrepreneurship (SINE), (IIT) Bombay's technology business incubator, to promote innovation by startups in the financial sector.

- 134.**Bangladesh, India sign Rampal power plant construction agreement of a 1,320-megawatt coal-fired power plant, the biggest project under bilateral cooperation that would mark the transition from electricity export to generation level.
- 135.**The first direct bus service between Pokhara (Nepal) and New Delhi (India) was launched to connect South Asia's two important cities.
- 136.**K V R Murthy new CMD of Jute Corporation.
- 137.**SRK, Akshay join Taylor Swift in Forbes highest paid celebrity list. Musician Taylor Swift is the top spot on the list.
- 138.**William H McNeill, prize-winning world historian, died at 98.
- 139.**IDFC Bank has announced it had acquired Tamil Nadu-headquartered microfinance institution Grama Vidiyal in an all-cash deal.
- 140.**Housing Development Finance Corp (HDFC) is set to become the first Indian company to sell masala bonds, a rupee-denominated bond sold to foreign investors and listed on an overseas exchange.
- 141.**The Centre has cleared a proposal to sell its stake in state-owned construction company NBCC India with an aim to meet the Rs. 56,500-crore PSU disinvestment target in 2016-17.
- 142.**India held the second position in the latest ICC Test rankings followed by Pakistan and England. Australia leads the Test rankings & ODI Rankings while New Zealand topped the T-20.
- 143.**The Union Government launched 'Operation Sankat Mochan' to evacuate the Indians from South Sudan.
- 144.**Minister of State for External Affairs VK Singh headed the mission.
- 145.**Senior IPS officer Ashok Patnaik was appointed CEO of the National Intelligence Grid (NATGRID).
- 146.**Cabinet approves the Revised Cost Estimate of Punatsangchhu-II Hydroelectric Project in Bhutan
- 147.**Theresa May takes over as Britain's Brexit PM, appoints Boris Johnson as Foreign Secretary
- 148.**Emirates based in Dubai named world's best airline in 2016 Skytrax awards.
- 149.**Leading stock exchange BSE is introducing 'Paperless SIP' (systematic investment plans) that would allow mutual fund investors to make transactions through various modes of payments.
- 150.**Cabinet approves revival of defunct Fertilizer Units in Gorakhpur, Sindri and Barauni.
- 151.**The Union Cabinet approves change of name from "Rajendra Central Agricultural University" to "Dr. Rajendra Prasad Central Agricultural University".
- 152.**Hindustan Aeronautics Ltd (HAL) and French firm Safran Helicopter Engines have agreed to establish a support centre in India for national and international rotorcraft customers.
- 153.**The Union Cabinet has approved the Pradhan Mantri Kaushal Vikas Yojana (PMKVY) with an outlay of Rs.12000 crore to impart skilling to one crore people over the next 4 years (2016-2020).
- 154.**Indian-American Dr. Kinshuk named US university Dean
- 155.**Kerala Chief Minister Pinarayi Vijayan has launched SV.CO, purportedly world's first digital student incubator, as a digital makeover of the Startup Village in Kochi.
- 156.**India achieves yet another public health milestone, becomes first country to be declared free of Yaws, an infection of the skin and bones, much ahead of WHO global target year of 2020.
- 157.**President Pranab Mukherjee inaugurates the first edition of India Skills Competition, on the occasion of the World Youth Skills Day in New Delhi. Skill India will be celebrating its first anniversary on the occasion.
- 158.**VP Hamid Ansari reached Ulaan Baatar the capital of Mongolia to attend 11th Asia-Europe Meeting- ASEMSummit. The theme for the summit is "20 Years of ASEAN: Partnership for the Future through Connectivity".
- 159.**Congress announces Sheila Dikshit as Chief Ministerial candidate for UP Assembly elections
- 160.**Govt. revises time schedule for making payments under Income Declaration Scheme 2016. As per the revised schedule, a minimum amount of 25 % of the tax, surcharge and penalty can be paid by 30th of November this year.
- 161.**SIT on black money recommends ban on cash transactions above 3 lakh rupees. The SIT headed by retired Justice M B Shah, submitted its fifth report to the Supreme Court.
- 162.**The West Bengal government has set a target to construct toilets across all villages of the state by March 2019 to enable open defecation free (ODF) rural Bengal.
- 163.**Maharshi Dayanand University (MDU) has signed a Memorandum of Understanding (MoU) with non-profit public organization namely Global Village Foundation (GVF) for collaborative studies and research on social and economic public policies.
- 164.**The government has appointed a 1987- batch IAS officer Rajesh Kumar Chaturvedi Chairman of the Central Board of Secondary Education (CBSE) for a 5 year term.
- 165.**Hockey Olympian Joe Antic has passed away in Mumbai. He was 90 years old.
- 166.**India's Grand Master Harika Dronavalli has won the Fide Women's Grand Prix trophy in Chengdu in China.
- 167.**India jumps 11 places to 152nd in football rankings. Overall, Argentina remain on top.
- 168.**BHEL commissions 250 MW power plant in Gujarat based on

- eco-friendly Circulating Fluidised Bed Combustion (CFBC) technology, using low-quality coal (lignite) as the primary fuel.
- 169.**The Reserve Bank of India (RBI) has constituted an inter-regulatory Working Group (WG) to study the entire gamut of regulatory issues relating to Financial Technology and Digital Banking in India. The Working Group will be headed by Sudarshan Sen, Executive Director of RBI, and has 12 members.
- 170.**The Union Government and the Asian Development Bank (ADB) have signed a 100 million US dollars loan agreement to strengthen key irrigation and drainage system and improve water management in the Vennar sub-basin of the Cauvery delta in Tamil Nadu.
- 171.**The Reserve Bank of India has asked banks to exchange up to 20 pieces of soiled currency notes with a maximum value of Rs. 5,000 over the counter free of charge.
- 172.**The World Health Organization (WHO) has declared India as Maternal and Neonatal Tetanus free. In this regard.
- 173.**Over fourteen lakh LPG connections have been released to the women of BPL families under the Pradhan Mantri Ujjwala Yojana (PMUY).
- 174.**74 schemes of 17 Ministries & Departments brought under Direct Benefit Transfer (DBT).
- 175.**Indian Naval Ships Sahyadri, Shakti and Kirch have arrived at Port Kelang,Malaysia, on a four day visit, as part of deployment of the Eastern Fleet to the South China Sea and Western Pacific.
- 176.**Tata Advanced System (TASL) and Bell Helicopter, a Textron Company have signed an agreement to work together in support of India's aviation and defense modernization initiatives.
- 177.**Madhya Pradesh is the first state of the country to setup Happiness Department in state.
- 178.**Maharashtra Chief Minister Devendra Fadnavis has launched the facility of virtual and digital classrooms across 32 ITIs in the state on the occasion of World Youth Skills Day (15th July).He also Announced an initiative called 'Skill Sakhis' for women empowerment.
- 179.**A book titled "Who Moved My Interest Rate" is written by Duvvuri Subbarao, the former Governor of Reserve Bank of India (RBI).
- 180.**Pakistan captain Misbah-ul-Haq has scored 110 against England at Lord's and with this, the 42 years and 47 days old cricketer became the oldest captain to score.
- 181.**18th July is observed as Nelson Mandela International Day.
- 182.**The United Nations Educational, Scientific, and Cultural Organization (UNESCO) has listed Chandigarh's Capitol Complex and Sikkim's national park among its World Heritage Sites. India now has 35 sites.
- 183.**India's first e-court has opened at High Court of Judicature at Hyderabad. It is the common high court for the states of Telangana and Andhra Pradesh.
- 184.**The Government has released Rs 100 crore towards its co-contribution for Atal Pension Yojana (APY) for 2015-16.
- 185.**Vice President Hamid Ansari has unveiled a stone statue of Mahatma Gandhi at Pethub Monastery in the Mongolian capital.
- 186.**Pema Khandu sworn in as the ninth Chief Minister of Arunachal Pradesh while Chowna Mein has sworn in as the Deputy Chief Minister.
- 187.**Delhi Chief Minister Arvind Kejriwal has launched a live interactive programme, titled 'TalkToAK', aimed at directly engaging with the Delhiites.
- 188.**The Indian travel agency Yatra Online entered into a merger agreement with a Nasdaq-listed special purpose acquisition firm Terrapin 3 Acquisition Corp (TRTL).
- 189.**The 11th edition of the Asia-Europe Meeting Summit (ASEM11) or ASEM2016 has issued Ulaanbaatar Declaration. Theme of the summit is "20 Years of ASEM: Partnership for the Future through Connectivity".
- 190.**The fourth tranche of the Sovereign Gold Bonds scheme has opened for subscription.
- 191.**Low-cost airline with pink and white themed Air Carnival has launched its operations with its maiden flight from Coimbatore to Chennai.
- 192.**Dabur tied up with the Defence Research and Development Organisation (DRDO's) unit Defense Institute of High Altitude Research (DIHAR), Leh, to promote sustainable cultivation of high-altitude medicinal plants in Ladakh.
- 193.**Dipika Pallikal Karthik toppled defending champion Joshna Chinappa to regain the women's title in the 73rd Senior National Squash Championship in Mumbai. The men's crown was captured by the titleholder and top seed Saurav Ghosal.
- 194.**Vijender Singh, the boxing star from India, has clinched the WBO Asia Pacific Super Middleweight title at the Thyagaraj Stadium, New Delhi.
- 195.**The government has allocated Rs 22,915 crore capital to meet the capitalization needs of 13 Public Sector Banks (PSBs) in the current fiscal.
- 196.**The Central Board of Direct Taxes (CBDT) has signed seven Unilateral Advance Pricing Agreements (APAs) with Indian taxpayers in a moving design to reduce tax litigation.
- 197.**Parliament passes Regional Centre for Biotechnology Bill, 2016
- 198.**Rs. 28,000 cr released under Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA).

- 199.** Herbalife associates with IOA as nutrition partner sponsor of the Indian Olympic contingent to Rio De Janeiro.
- 200.** Dabur acquires South African cosmetic firm Discaria Trading.
- 201.** Tata STRIVE, an initiative of Tata Community Initiatives Trust, has launched its first Skill Development Centre (TSSDC) centre in Hyderabad
- 202.** NASA announces discovery of 104 new planets outside solar system.
- 203.** SpaceX launched space station docking port.
- 204.** An Odisha-born bureaucrat Guruprasad Mohapatra has been appointed the chairman of Airports Authority of India (AAI).
- 205.** Sidhu resigns as Rajya Sabha MP.
- 206.** World Bank Group President Jim Yong Kim has appointed Paul Romer as World Bank Chief Economist with effect from September 2016.
- 207.** Turnbull sworn in as Australia's PM
- 208.** Legendary singer Mubarak Begum Shaikh passes away. She was 80 years old.
- 209.** Wrist spinner Yasir Shah has scaled the number one spot in the ICC Test rankings.
- 210.** Rohit Khandelwal becomes first Indian to win Mr. World title.
- 211.** NITI Aayog and Intel India sign Statement of Intent (SOI) to start Atal Tinkering Laboratories (ATL) Initiative for Young Innovators as a part of its flagship programme Atal Innovation Mission (AIM).
- 212.** The Election Commission of India (ECI) has launched the SVEEP Portal in the Hindi language along with two other releases in the sidelines of the Conference of Chief Electoral Officers of States by the Chief Election Commissioner Nasim Zaidi.
- 213.** The Supreme Court (SC) accepted the major recommendations of the Lodha Committee on reforms to the Board of Control for Cricket in India (BCCI), including a ban on ministers and civil servants and those above 70 from becoming its members.
- 214.** SBI launches Rs 7,000 crore stressed assets fund with Brookfield.
- 215.** Paytm ties up with grocery retailer Heritage Fresh.
- 216.** Russian PM suspends its sports minister
- 217.** Nigerian journalist Didi Akinyelure wins BBC World News Komla Dumor Award 2016.
- 218.** Steve Elworthy appointed as the Managing Director of 2019 World Cup to be held in England and Wales in 2019.
- 219.** 14-year old Indian boy Advay Ramesh won the mentioned prize for Asia-Pacific region in the Google Science Fair of 2016 for projecting to safeguard fishermen
- 220.** The Western Union appoints Sohini Rajola as new Vice-President
- 221.** Sarvita Sethi appointed Coca-Cola VP-Finance for India and South West Asia
- 222.** Oldest litigant of Babri Mosque Ram Janmbhumi dispute of Ayodhya dispute Mohammad Hashim Ansari passes away.
- 223.** Noted Indian hockey player Mohammed Shahid has passed away in Gurgaon due to multiple organ failures. He was 56 years old.
- 224.** Seven Indian companies have made it to the latest Fortune 500 list of the world's biggest corporations in terms of revenue. The list is topped by the retail giant Walmart.
- 225.** India and Bangladesh has opened the newly constructed modern integrated check-post at Petrapole-Benapole point of the India-Bangladesh border in West Bengal.
- 226.** Establishment of a new All India Institutes of Medical Sciences (AIIMS) at Gorakhpur in Uttar Pradesh under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY) has been approved by the Union Cabinet.
- 227.** Union Cabinet approved for the incorporation of Sagarmala Development Company (SDC) under the Companies Act, 2013 with an initial authorized share capital of 1 thousand crore rupees.
- 228.** Union Cabinet approved for introducing amendments to the Benami Transactions (Prohibition) (Amendment) Bill, 2015 in Parliament.
- 229.** Cabinet approved for the signing of the Air Services Agreement between India and Mozambique.
- 230.** Memorandum of Understanding (MoU) which has been signed between India and Tunisia for strengthening bilateral cooperation in the field of Information and Communications Technology (ICT) and Digital Economy.
- 231.** Union Cabinet approved the Memorandum of Understanding (MoU) signed between India and the State Secretariat for Education, Research and Innovation of the Swiss Confederation for cooperation in skill development.
- 232.** Cabinet Committee on Economic Affairs (CCEA) approved for the installation of Ghatampur Thermal Power Project of 1980 Mega Watt capacity.
- 233.** India and Japan have signed a Social Security Agreement (SSA) that will come into force on 1st October 2016.
- 234.** Turkey's president has declared a three-month state of emergency following a failed coup.
- 235.** The Election Commission of India (ECI) has announced the launch of National Electoral Roll Purification (NERP) 2016 programme across the country.
- 236.** Federal Bank has signed an agreement with Reliance Jio Money for one-click payment service.
- 237.** Indian Railway Catering and Tourism Corporation (IRCTC)

- has joined hands with the State Bank of India to chalk out a detailed plan for promotion of rail ticketing activities, including internet ticketing and unreserved ticketing system.
- 238.**Bharat Heavy Electricals Limited (BHEL) has commissioned the third unit of the 4x40 MW Teesta Low Dam Hydro Electric Project (HEP) Stage-IV in West Bengal.
- 239.**Prime Minister Narendra Modi has laid the foundation stone of All India Institute Of Medical Sciences (AIIMS) and revival of fertilizer factory which was closed for the last three decades in Gorakhpur district of Uttar Pradesh.
- 240.**In Sustainable Development index, India has ranked 110 out of 149 nations. The index is topped by the Sweden.
- 241.**Centre has constituted a committee to prepare Draft Bill on Ganga to deal with all the issues related to the River. The committee will be chaired by the retired Justice Giridhar Malviya.
- 242.**A State green panel has given first-stage clearance to Orissa Integrated Power Ltd (OIPL) for diverting 17.02 hectares of revenue forest land to set up a 4,000 MW UMPP in Sundargarh district in Odisha at a cost of ₹29,000 crore.
- 243.**Kerala Tourism has secured two Gold Awards at the prestigious Pacific Asia Travel Association (PATA) awards in recognition of its trendsetting marketing initiatives.
- 244.**The Odisha government has constituted a judicial commission to study the functioning of the Puri Jagannath Temple. It will be headed by retired Orissa High Court judge Bimal Prasad Das.
- 245.**The Kerala State Government has constituted a State Technical Advisory Group on Immunisation (STAGI) on the lines of the National Technical Advisory Group on Immunisation (NTAGI).
- 246.**The Mother Teresa International Film Festival (MTIFF), a film festival focusing on Mother Teresa's life and teachings is going to be held at over 100 locations in India and around 50 other countries.
- 247.**The New Delhi Municipal Council (NDMC) has signed a Memorandum of Understanding (MoU) with National Environmental Engineering Research Institute (NEERI) to develop 12 sewage treatment plants (STP).
- 248.**Corporation Bank has launched a new facility called 'Green PIN'.
- 249.**The Union Government has appointed Ajay Bhushan Pandey as the Chief Executive Officer of Unique Identification Authority of India (UIDAI).
- 250.**Roger Ailes, Chairman and Chief Executive Officer of Fox News Channel has resigned from his post.
- 251.**Former French cyclist Dominique Arnaud has passed away in Dax, Aquitaine, France due to cancer. He was 60 years old.
- 252.**Sony Pictures Networks India has acquired the exclusive broadcast rights to telecast the 2016 edition of the International Champions Cup (football) in India.
- 253.**India has contributed USD 100,000 to a trust fund set up for victims of sexual exploitation and abuse by peacekeepers.
- 254.**Railway Minister Suresh Prabhu has inaugurated a host of passengers services and other amenities at the Yashwantpur station, one of the three railways stations that serve Bengaluru, Karnataka.
- 255.**The Department of Industrial Policy and Promotion (DIPP) has organized a day-long conference on Startup India in New Delhi with an aim to give impetus to start up India initiative.
- 256.**ICICI Bank Ltd has organised a coin exchange mela during the 'Rath Yatra' festival at the RBI financial literacy camp in Bholanath Vidyapith.
- 257.**Karnataka Bank Ltd has initiated a programme to provide solar lights in the non-electrified houses of students in rural areas.
- 258.**HDFC ERGO General Insurance Company and Shamrao Vithal Co-operative (SVC) Bank have announced their bancassurance agency partnership to provide a range of non-life insurance offerings to the customers of the bank.
- 259.**Online marketplace Snapdeal has announced its partnership with e-ticketing platform BookMyShow and extended its service offerings.
- 260.**Lok Sabha Speaker Sumitra Mahajan has reformed the Joint Parliamentary Committee(JPC) for Land Acquisition Bill and appointed Ganesh Singh as the Chairperson of the Joint Committee of Parliament examining the Land Acquisition Bill.
- 261.**Mumbai-headquartered, Axis Bank has stated that the Reserve Bank of India has granted approval for appointment of Sanjiv Misra as Additional Director and the Non-Executive (Part-Time) Chairman of the bank.
- 262.**Eminent Journalist and Doordarshan News Correspondent in Hyderabad, Sanjiv Thomas has passed away. He was 59 years old.
- 263.**Modern Indian artist S H Raza has passed away following a prolonged illness.
- 264.**American hurdler, Keni Harrison broke a 28-year-old world record in the 100m hurdles, clocking 12.20 seconds at the London Anniversary Games.
- 265.**India test team captain Virat Kohli has become the first Indian captain to score a double century outside India.

Tricky Notes: Trick to Learn the Countries of SAARC

SAARC is an organization of eight countries located in the South Asia and it stands for the South Asian Association for Regional Corporation.

The Secretariat of this organization is located in the Kathmandu which is the capital of Nepal.

Late President of Bangladesh Ziaur Rahman first raised the necessity of regional and political and economical cooperation in the South Asia on the 2nd May 1980. Subsequently on 8th of December 1985 first SAARC countries summit was held in Dhaka Capital of Bangladesh.

Initial members of the SAARC countries were India, Bangladesh, Pakistan, Bhutan, Nepal, Maldives and Sri Lanka. Later another country Afghanistan was awarded the full membership.

Objective of the SAARC to develop economies, collective self reliance in the South Asian countries and to step up the social and cultural development in South Asian countries.

The current Secretary-General of SAARC is Arjun Bahadur Thapa.

The trick to learn all members countries in SAARC is given below:

Ba Bhubali In New Mal L with his Pa A

It is pronounce as “BaBhubali In New Mall with his PaA”

- Ba: Bangladesh
- Bhu: Bhutan
- In: India
- Ne: Nepal
- Mal: Maldives
- L: Lanka (Sri Lanka)
- Pa: Pakistan
- A: Afghanistan

S.No	Member Country	Currency	Capital
1.	Bangladesh	Taka	Dhaka

2.	Bhutan	Ngultrum	Thimphu
3.	India	Rupee	New Delhi
4.	Nepal	Rupee	Kathmandu
5.	Maldives	Rufiyaa	Male
6.	Sri Lanka	Rupee	Sri Jayawardenepura Kotte, Colombo
7.	Pakistan	Rupee	Islamabad
8.	Afghanistan	Afghani	Kabul

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ONE STOP PORTAL FOR THE CURRENT AFFAIRS

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JUNE 1ST TWO WEEKS

1. Which of the following country voted for whether to introduce a guaranteed basic income for every citizen, becoming the first country to hold such a vote?
2. Which state has become the first state in the country to have a State Data Centre (SDC)?
3. Anti-dumping duty has been imposed on a compound used in the pharmaceutical industry, imported from the _____ and _____ to protect domestic makers from cheap shipments.
4. Name the former world heavyweight champion boxer who died at the age of 74 recently?
5. To facilitate hassle-free entry of Indians at selected airports, India and which of the following country have signed a MoU, providing for expedited security clearances?
6. V O Chidambaranar Port has bagged National Award for Excellence in Cost Management for the year 2015 from the Institute of Cost Accountants of India (ICAI). It is located at?
7. Who has been appointed as Managing Director of the State Bank of Mysore (SBM) recently?
8. World Environment Day was observed on June 5, 2016 with the theme?
9. Indian Prime Minister Narendra Modi visited Afghanistan in order to open a much-hyped hydroelectric dam. The project has been in work for decades. What is the name of this dam?
10. India and Qatar sign how many agreements to boost bilateral ties during Indian Prime Minister visit to Qatar recently?
11. Taking a cue from the 'Green Initiative' of the Indian cricket board, which of the following National Cricket Club (NCC) initiated 'Cricket for Environment', a programme for planting saplings and distribution of bins for waste?
12. Spain's _____ beat world number one Serena Williams in straight sets to win her first Grand Slam title at the French Open.
13. Which state government and Tata Trust (TT) have signed an agreement on implementing interventions in healthcare areas like nutrition, mental health and cancer care in the state recently?
14. Which of the following Money transfer services provider has launched a special offer on the occasion of Ramzan beginning on June 6, 2016?
15. Centre has agreed to increase rice quota for which state under National Food Security Act(NFSA) recently?
16. HDFC Ergo General Insurance, the insurance arm of mortgage lender HDFC is the first such consolidation in India's crowded general insurance sector, which currently has 29 players and has recently acquired L&T General Insurance. By how much amount it acquired L&T General Insurance?
17. Which state becomes first in the country to give transgender people social welfare benefits such as a pension, housing and food grains - usually allocated for the most impoverished only?
18. Who captured French Open at 12th time, becoming just the third man in history to hold all four Grand Slam titles at the same time?
19. As part of Prime Minister Narendra Modi's "Make in India" and

- "Start-up India" moves, which state has announced new policy for promotion of information technology(IT) and electronic start-ups?
20. According to 2016 Global Retail Development Index (GRDI) India has jumped 13 positions from last year to rank _____ among 30 developing countries this year on ease of doing business.
 21. The Indian government and the Asian Development Bank (ADB) have signed an agreement for a \$200 million loan to upgrade 176-km roads in which of the following state?
 22. Who is sworn in as Chief Minister of the Union Territory of Puducherry recently?
 23. Name the India's first Mr.Universe who has passed away in Kolkata recently?
 24. India and which of the following country have agreed to enhance the scale of existing bilateral military interaction and decided to expand the interaction between the armed forces recently?
 25. Which state assembly has passed the Ease of Doing Business Bill, 2016 recently?
 26. The Enforcement Directorate slapped how much FEMA violation notice in connection with alleged "wrongful" gain made to private multimedia company Devas by Antrix, the commercial arm of ISRO?
 27. Renowned Indian sand artist Sudarsan Pattnaik has won the gold medal in people's choice prize at world championship festival of sand sculpting Russe, 2016, which was held in which of the following country?
 28. BMW India Financial Services announced a tie up with which of the following General Insurance company to offer motor insurance for BMW customers?
 29. India and which country pledged to pursue new opportunities to bolster economic growth and sustainable development, promote peace and security?
 30. Minister of State for Information and Broadcasting Col. Rajyavardhan Rathore congratulated which of the following Radio channel on completion of 80 years?
 31. Which of the following government has launched a smartphone app that would alert users for possible terror attacks and provide them information on how to stay safe?
 32. The World Bank Group President Jim Yong Kim has slashed its 2016 growth forecast by 0.5 per cent to how much per cent?
 33. Which of the following Bank has signed a MoU (MoU) with Jain Farm Fresh Foods Ltd (a subsidiary of Jain Irrigation Systems Ltd) to help farmers associated with the latter to avail of finance against receivables due from the company?
 34. India and which country have joined hands to start an observational campaign from June 8 to July end to better understand small-scale processes that drive monsoon variability and predictability recently?
 35. Global e-commerce giant Amazon has announced that it will step up investments in India by pumping in another \$3 billion in the country. Who is the CEO of Amazon?
 36. The Forbes' 100 Most Powerful Women' in the world list 2016 is

- topped by _____. Forbes' world's 100 most powerful women includes the women who are building billion-dollar brands and calling the shots in the financial markets.
37. Name the Chess Grandmaster who has passed away recently in Wohlen, Switzerland?
 38. Name the bilateral air exercise, the second in the series between the Indian Air Force(IAF) and the United Arab Emirates Air Force(UAE AF), concluded at the Al Dhafra Air Base in the UAE.
 39. Maria Sharapova has been banned for two years by the International Tennis Federation for using a prohibited drug. She belongs to which of the following country?
 40. T S John has passed away at a hospital recently. He was the former assembly speaker of?
 41. Asian Development Bank has approved a USD 100 million (around Rs. 660 crores) loan to strengthen a key irrigation system and improve water management in the Vennar sub-basin of Cauvery Delta in which state?
 42. The International Monetary Fund(IMF) approved 1.5 billion US dollar loan to which of the following country. IMF has already transferred 168 million US dollars as the first Installment with immediate effect to support the country's economy?
 43. Thailand-based agro-industrial conglomerate Charoen Pokphand Foods Public Company Limited (CP Foods) has forayed into the packaged foods business in India with a new chicken processing plant in which of the following states?

ANSWERS

1. Switzerland
2. Himachal Pradesh
3. USA, China
4. Muhammad Ali
5. USA
6. Tamil Nadu
7. NK Chari
8. Go Wild For Life - Zero tolerance for the illegal wildlife trade
9. Salma Dam
10. Seven
11. Kolkata
12. Garbine Muguruza
13. Madhya Pradesh

14. MoneyGram
15. Odisha
16. Rs 551 crore
17. Odisha
18. Novak Djokovic
19. Gujarat
20. Second
21. Jharkhand
22. V Narayanasamy
23. Manohar Aich
24. Singapore
25. Assam
26. 1,200 crore
27. Bulgaria
28. ICICI Lombard General Insurance
29. USA

30. All India Radio
31. France
32. 2.4 Per cent
33. State Bank of India
34. United Kingdom
35. Jeff Bezos
36. Angela Merkel
37. Victor Korchnoi
38. Desert Eagle II
39. Russia
40. Kerala
41. Tamil Nadu
42. Sri Lanka
43. Andhra Pradesh

JUNE 13TH TO 18TH JUNE

1. India will host the _____ annual summit of BRICS from October 15-16 in Goa?
2. The World Trade Centre (WTC) will hold its second Make in India programme on 'Microfinance: A Game Changer for Financial Inclusion' in which place?
3. India, Japan & which country kicked off their marine war games, Malabar Exercise, near South China Sea?
4. US President Barack Obama has approved new authorities for U.S. forces in which country that loosen restrictions over airstrikes & give US forces more flexibility?
5. Union Urban Development Ministry has sanctioned how much rupees for development of Machilipatnam town in Andhra Pradesh under the AMRUT scheme?
6. Market regulator SEBI has put in place stricter KYC norms & disclosure regime for Participatory Notes. Where is HQ of SEBI?
7. India with which organization agreed to resolve the outstanding issues for resumption of long-stalled negotiations for a proposed free trade agreement recently?
8. Legendary ice hockey player Gordie Howe, who was nicknamed Mr. Hockey has died. Which Country do he belongs to?
9. President started his six day three-nation tour to Ghana, Ivory & Namibia. These countries are located in which continent?
10. The Centre has approved projects worth over how much for developing Ramayana, Krishna & Buddhist circuits in UP

- recently?
11. Shiyal bet having about 800 households with a population of 6,000, was lit up. It is located in?
 12. Veteran theatre personality Achyut Lahkar known as the father of the Bhramyaman or Mobile Theatre of _____ passed away.
 13. Name the ace Indian shuttler, who has lifted the Australian Open Super Series Badminton tournament title.
 14. The Chief Minister of which state has ordered to set up a 'Pharma City' in Rangareddy & Mahbubnagar districts?
 15. Real Madrid Cristiano Ronaldo has become the first athlete from a team sport to top Forbes annual list of the World's Highest-Paid Athletes. He belongs to which of the following country?
 16. The World Day against Child Labour was observed on?
 17. Which state has claimed to become the first state in India to have an open government data portal?
 18. Google Inc. & with which Indian company have jointly launched 'Internet Saathi' program in Purulia district of WB?
 19. DTH player Tata Sky introduces educational service, Tata Sky Classroom for its current 17 million subscribers across India. The service will provide audio-visual learning to children of class _____ with the NCERT syllabus.
 20. Which company has acquired the renewable energy (RE) subsidiary of Delhi-based Welspun Renewables Energy Pvt Ltd?
 21. Airbus Helicopters, finalised an agreement to build an assembly

- line in which country as part of a deal to sell 100 H135 helicopters to a local consortium?
22. Which organization has been awarded the National Award for Best Performing Central PSU for Roof Top Solar Power initiatives?
23. Which country has launched its 23rd satellite BeiDou Navigation Satellite System(BDS) recently?
24. Name the Additional Solicitor General of India & former Parliamentarian who has been appointed as a part-time member of the Law Commission of India.
25. The government has tasked a selection committee headed by whom with shortlisting candidates for RBI governor?
26. The Finance Ministry has set up a working group to examine the consequential issues arising out of recent amendments to India & which country to Double Taxation Avoidance Agreement?
27. Donald Carr, the former captain of which country's Cricket team has passed away recently?
28. Which company will acquire LinkedIn for \$26.2 billion in what is the one of the biggest technology company deals?
29. Union Finance Minister Arun Jaitley & all State Finance Ministers are taking part in a two-day meeting of the Empowered Committee on the Goods & Services Tax Bill which began in?
30. India & Ghana agreed for greater security & defence cooperation recently. Who is the present president of Ghana?
31. The Reserve Bank of India (RBI) has come up with a new scheme for Sustainable Structuring of Stressed Assets (S4A) of the large project. The Scheme for S4A will cover those projects which have started commercial operations & have an outstanding loan of over _____?
32. Who won the inaugural Jamaica National Racers Grand Prix?
33. Who was unanimously appointed as the chairperson of the North Cachar Hills Autonomous Council (NCHAC) in Assam?
34. Who has inaugurated 'Child Labour Tracking System (CLTS)' in order to keep a track of rescued child labour for their proper rehabilitation recently?
35. Who became the Chief Justice of Manipur High Court recently?
36. President Pranab Mukherjee has been presented National Order of the _____ Coast.
37. Which of the following Securities launched its mobile application, Tick Pro for futures & options (F & O) traders recently?
38. Union Cabinet has cleared the new Civil Aviation Policy with an aim to increase regional air connectivity, & ease rules for airlines to fly overseas. Who is the Union minister for civil aviation?
39. A small Florida bank will issue the first US credit card intended for use in _____ & make it easier for Americans to travel & work on an island largely cut off from the US financial system.
40. The Ministry for New & Renewable Energy (MNRE) launched a scheme for setting up ___ MW of wind power projects connected to the transmission network of Central Transmission Utility?
41. Who won the Canadian Grand Prix 2016?
42. Who became the fourth wicketkeeper in the world to reach 350 dismissals in One-day Internationals recently?
43. Public Sector Power equipment manufacturer Bharat Heavy Electricals Limited (BHEL) has commissioned 195 MW unit at?
44. Name the US translator who has passed away recently?
45. Closed Reduction Internal Fixation announced the launch of new centre for predictive analytics & decision solutions in?
46. The government has decided to enhance the buffer stock of pulses from 1.5 lakh tonnes to
47. Who is the present CEO of BSNL?
48. Assam Pradesh Congress Committee president _____ passed away at AIIMS, New Delhi following cardiac failure recently.
49. The "HelpAge SOS App" was launched by Lieutenant Governor Kiran Bedi at Raj Nivas in which union territory recently?
50. MoU was approved for cooperation in the field of agriculture & allied sector between India & which country?
51. During a recent event, 3049 people registered their spot in the Guinness book of world records for performing largest Karma Naach dance ever in which of the following Indian state?
52. Distinguished _____ writer, activist, thinker & cultural personality Mudrarakshasa has passed away.
53. Which Bank has launched Bengaluru's first ATM that accepts Aadhaar number & Aadhaar fingerprint (biometric)?
54. Name the union minister who will represent India at St Petersburg International Economic Forum, Russia.
55. In order to fund start-ups in the financial technology (fintech) space, the country's largest lender SBI has set up which fund?
56. Name the Thailand Prime Minister who arrived in New Delhi for a three day visit to India with a high level delegation.

ANSWERS

- | | | |
|---|-------------------------|----------------------------------|
| 1. Eighth | 15. Portugal | 30. John Dramani Mahama |
| 2. Goa | 16. June 12 | 31. Rs 500 crore |
| 3. USA | 17. Sikkim | 32. Usain Bolt |
| 4. Afghanistan | 18. Tata Trusts | 33. Ranu Langthasa |
| 5. Rs 37.5 crore | 19. Class 5 to class 8 | 34. Nitish Kumar, Bihar |
| 6. Mumbai | 20. Tata Power | 35. Justice Rakesh Ranjan Prasad |
| 7. European Free Trade Association (EFTA) | 21. China | 36. Republic of Ivory |
| 8. Canada | 22. AAI | 37. Reliance Securities |
| 9. Africa | 23. China | 38. Ashok Gajapathi Raju |
| 10. Rs 300 crore | 24. Satya Pal Jain | 39. Cuba |
| 11. Gujarat | 25. Pradeep Kumar Sinha | 40. 1000 MW |
| 12. Assam | 26. Mauritius | 41. Lewis Hamilton |
| 13. Saina Nehwal | 27. England | 42. MS Dhoni, India |
| 14. Telangana | 28. Microsoft | 43. Muzaffarpur, Bihar |
| | 29. Kolkata | 44. Gregory Rabassa |

45. Pune
46. 8 lakh tonnes
47. Anupam Shrivastava
48. Anjan Dutta

49. Puducherry
50. Taiwan
51. Madhya Pradesh
52. Hindi

53. DCB Bank
54. Dharmendra Pradhan
55. Rs 200 crore
56. General Prayut Chan-O-Cha

19TH TO 24TH JUNE 2016

1. India and Thailand have inked two agreements in the field of?
2. India and which country launched a platform to promote and facilitate investments from the East Asian country recently?
3. _____ is set to organise the first ever 'Yoga Olympiad' for all government and government-aided schools students ahead of the International Yoga Day on June 21.
4. Name the Former Maharashtra Director General of Police who passed away in Mumbai recently.
5. Which country has defeated India 3-1 in the final of 14th Champions Trophy Hockey tournament in London?
6. Boeing and Tata Advanced Systems have laid the foundation of a new facility for its joint venture TATA Boeing Aerospace Ltd (TBAL) in which Indian city?
7. Who all are the first women fighter pilots to be formally commissioned by the Indian Air Force recently?
8. What is Brexit?
9. Who is appointed as Union Law Secretary recently?
10. The Finance Ministry expects the country's growth rate to climb to how much percent in the current financial year on the back of above normal monsoon?
11. Name the Indian Foreign Secretary who visited China to step up India's efforts to get China's backing for membership to the NSG.
12. Which country's parliament has passed a contentious bill to allow medically-assisted death for terminally ill people?
13. Which state government has announced free admission for Divyang students in government institutes recently?
14. India and which country will set up a joint panel of parliamentarians to enhance relations and facilitate their visits to promote cooperation to tackle security issues and challenges facing the region?
15. The Reserve Bank of India (RBI) has decided to clean up the balance sheets of Indian banks, which are collectively saddled with a certain amount of bad loans, by the end of this fiscal. What is the amount of these bad loans?
16. A Week-long meeting of Nuclear Suppliers Group begin at which place from 20th June 2016?
17. As facilitated by the government of India Non Resident Indians (NRIs) can now open NPS accounts online if they have Aadhaar Card or PAN card. NPS stand for?
18. Who won the European Grand Prix 2016?
19. India can maintain a growth rate of how much per cent in 2016-17 by the World Bank (WB)?
20. The United Nations organization dedicated to gender equality and the empowerment of women, announced the appointment of American award-winning actor _____ as Global Goodwill Ambassador recently.
21. Name the Sri Lankan fast bowler, who has been suspended by the International Cricket Council having being found to have an illegal action.
22. Who has been appointed as the Chairman of the prestigious National Institute of Fashion Technology (NIFT)?
23. Union Government approved how much percent FDI in Aviation, Defence and e-commerce sectors under the government approval route recently?
24. Which state has the country's first-of-its-kind AYUSH University as the State cabinet has approved recently?
25. Which film has won the best film and best script writers award at the Asia New Talent Awards in the 19th Shanghai International Film Festival recently?
26. A bronze statue of Netaji Subhash Chandra Bose has been unveiled at the Indian cultural centre premises in which country?
27. What is the theme of The International World Refugee Day?
28. What is the theme of the second International Day of Yoga?
29. Finance Minister Arun Jaitley released a commemorative silver coin on the occasion of 300th Martyrdom Day of Sikh General?
30. What is the rate of interest for both Five Year National Savings Certificate and Public Provident Fund Scheme?
31. Name the state which has launched a unique programme 'Maitree Ek Gyan Yatra' recently.
32. The yoga session at the UN on the occasion of second International Yoga Day has been led by Spiritual leader _____ of Indian origin.
33. Who has been appointed as the President of Gujarat Chamber of Commerce and Industry(GCCI) for the term 2016-17?
34. Which of the following company has announced the launch of its 'Gboard' keyboard for iPhone users in India?
35. _____, President and CEO, of global technology player and investment bank SoftBank Group (SBG) has resigned from his position recently.
36. Which Bank has sold 18 per cent stake of Star Union Dai-ichi Life Insurance Company to joint venture partner Dai-ichi Life Insurance Company (DILIC)?
37. Indian Space Research Organisation (ISRO) successfully launched _____ satellites in a single mission from Satish Dhawan Space Centre in Sriharikota making a record.
38. The National Aeronautics and Space Administration (NASA) unveiled the iconic X-57 Hybrid Electric Research Plane nicknamed as?
39. The computer called "Sunway TaihuLight" that can make 93 quadrillions calculations per second has claimed the top spot on the list of the world's most powerful supercomputers, designed and made in which of the following country?
40. Who would become president and chief operating officer to replace Nikesh Arora of SoftBank Group Corporation?
41. To commemorate the 2nd International Day of Yoga, _____ Postal circle on 21 June 2016 released "Information booklet, Stamps on Yoga" and "12 stamps on Suryanamaskarams".
42. The Export-Import Bank of India (Exim Bank) has sought additional equity infusion from the Centre this fiscal. The specialised lending institution is seeking an additional Rs.....?
43. Government has extended the date for reporting details of

- accounts under Foreign Account Tax Compliance Act(FATCA) by six months to.....?
44. Name the head of state-run Life Insurance Corp (LIC), the biggest single investor in the country, has tendered his resignation two years before his term was due to end?
 45. Which of the following place Shanghai Cooperation Organisation (SCO) summit was held recently?
 46. The Cabinet approved an extension in the deadline for implementing the Ujjwal Discom Assurance Yojana (UDAY) by a year to.....?

ANSWERS

1. Culture and education
2. South Korea
3. NCERT
4. Suryakant Jog
5. Australia
6. Hyderabad
7. AvaniChaturvedi, BhawanaKanth & Mohana Singh
8. The UK leaving from the EU
9. Suresh Chandra
10. 8.0 per cent
11. S Jaishankar
12. Canada
13. Assam
14. UAE
15. Rs. Five lakh
16. Seoul, South Korea

17. National Pension Savings
18. Nico Rosberg
19. 7.6 per cent
20. Anne Hathaway
21. Shaminda Eranga
22. Chetan Chauhan
23. 100 per cent
24. Haryana
25. Thithi
26. Malaysia
27. "We Stand Together With Refugees"
28. Connect the Youth
29. Banda Singh Bahadur
30. 8.1 per cent
31. Assam
32. Sadhguru Jaggi Vasudev
33. Bipin R Patel
34. Google

35. Nikesh Arora
36. Bank of India
37. 20
38. Maxwell
39. China
40. Ken Miyauchi
41. Andhra Pradesh
42. Rs 800 crore
43. December 31, 2016
44. SK Roy
45. Tashkent, Uzbekistan
46. March 31, 2017
47. Andy Murray
48. State Bank of India
49. Anil Kumble
50. Goa

25TH JUNE 2016 TO 30TH JUNE 2016

1. Railway Minister Suresh Prabhakar Prabhu dedicated to the nation an 81-km long new railway line between _____ and _____ recently.
2. The Board of Governors of the Asian Infrastructure Investment Bank (the Bank) convened in which place for the Bank's first Annual Meeting?
3. India with which country have signed a MoU to establish formal cooperation in the fields of skills development and vocational and professional education and training recently?
4. Asian Development Bank (ADB) has approved how much dollars loan to build a bridge across the Ganga River in Bihar?
5. Which state government has approved a proposal of the Panchayati Raj department to add 500 new gram panchayats before the 2017 three-tier panchayat polls?
6. The Reserve Bank of India (RBI) has released its much awaited _____ document, aims at building best of class payment and settlement systems for a 'less-cash' India.
7. Name the company that has announced the appointment of Sanjay Malik as the head of Indian market?
8. Who is appointed as the chairman of three-member UN commission (committee) to monitor the human rights situation in South Sudan recently?
9. The twenty-fifth GD Birla Award for Scientific Research for 2015 has been awarded to?
10. India is all set to join the Missile Technology Control Regime (MTCR) as a full member. India will become _____ member of MTCR.
11. PM Modi launched the government's flagship Smart City mission in 20 cities across the country from place?
12. Coca Cola will set up a bottling plant at Sitarganj in?
13. Spiritual leader Sri Sri Ravi Shankar has been bestowed with an Honorary Fellowship by an Indian students body in _____ for his contributions to world peace and culture.
14. Mahasthangarh is in which country, as it has been declared as the South Asian Association of Regional Cooperation (SAARC) cultural capital for the year 2016-17?
15. Which team has won the 2016 Copa America Football tournament by defeating Argentina in a penalty shootout recently?
16. Name the Veteran Malayalam theatre artist and poet who passed away in Thiruvananthapuram, Kerala recently.
17. Lionel Messi sensationally announced his retirement from international football. He played for which country?
18. Which state government has declared that all natural calamities including unseasonal heavy rain, lightning, Loo and storm etc will be treated as state disaster?
19. Amazon Web Services has launched its first data centre at which place in India?
20. The Union government has appointed whom as the Chief Executive Officer of National Investment and Infrastructure Fund (NIIF) Ltd.
21. Which state government has launched a new scheme Kalinga

- Siksha Sathi Yojana with an aim to provide education loan at 1 % interest to students for pursuing higher studies recently?
- 22.** Who is appointed as the new deputy governor of the Reserve Bank of India?
- 23.** Name the Indian social entrepreneur who has been named among 10 "champions and pioneers" by United Nation chief Ban Ki-moon under the world's largest corporate sustainability initiative.
- 24.** Which country has banned its citizens from working in strife-torn Afghanistan, Iraq, Syria and Libya recently?
- 25.** India has been ranked _____ out of 130 countries on the World Economic Forum's Human Capital Index.
- 26.** Which country's women team has claimed a record seventh International Hockey Federation (FIH) Champions Trophy title?
- 27.** Washington DC-based the International Monetary Fund (IMF) has cleared the payment of how much for Pakistan recently?
- 28.** The World Bank Board has approved how much for US dollar project, Tejaswini: Socioeconomic Empowerment of Adolescent Girls and Young Women in Jharkhand?
- 29.** The Comptroller and Auditor General (CAG) of India Shashi Kant Sharma has been conferred with the honorary professorship by the Nanjing Audit University (NAU) in which country?
- 30.** Which country has inaugurated a test stretch of an electric road?
- 31.** Name the Naga rebel leader, who has died due to a prolonged illness recently.
- 32.** Which state has signed a MoU with a three-nation consortium of China Huanqin Contracting and Engineering Corporation, LEPL Ventures Private Limited and Isomeric Holdings to set up a gas-based fertilizer project at Krishnapatnam?
- 33.** Majuli is to become India's first river island district by August this year. At present the island is a sub-division under Jorhat district in which state?
- 34.** Minister of Human Resource and Development Smriti Irani is launching which teacher education portal for District Institutes of Education and Training (DIETs) in New Delhi.
- 35.** Cabinet Committee on Economic Affairs (CCEA) approval of road projects in which of the following two states recently and this project will help improve the infrastructure and connectivity in which states?
- 36.** India's leading food products company _____ has signed up as the official sponsor for the Indian contingent to the Rio Olympics 2016.
- 37.** Who is appointed as Suzuki Motor Corp next chief executive effective the same day, as the Japanese automaker attempts to recover from a vehicle testing scandal?
- 38.** India successfully test-fired a new surface-to-air missile developed jointly with which country from a defence base off Odisha coast recently?
- 39.** Name the renowned sculptor and painter who passed away in Vadodara, Gujarat following a brief illness recently.
- 40.** Bud Spencer known among his fans as the 'big friendly giant' of the screen because of his height and weight has died at age 86 recently. He was an _____ film actor.
- 41.** The Union Cabinet has approved signing of MoU between India and which country for bilateral cooperation in water resources management and development?
- 42.** The Union Cabinet approved the signing of a Memorandum of Understanding (MoU) between Union Public Service Commission (UPSC) and Royal Civil Service Commission (RCSC),
- 43.** The World Bank announced that plans to provide more than _____ to support India's solar initiatives. An agreement to this effect was signed on when World Bank Group President Jim Yong Kim met Finance Minister Arun Jaitley and Power Minister Piyush Goyal in New Delhi recently.

ANSWERS

- | | | |
|------------------------|-------------------------------|-----------------------|
| 1. Sonepat, Jind | 15. Chile | 30. Sweden |
| 2. Beijing, China | 16. Kavalam Narayana Panicker | 31. Isak Chishi Swu |
| 3. Switzerland | 17. Argentina | 32. Andhra Pradesh |
| 4. 500 million | 18. Uttar Pradesh | 33. Assam |
| 5. Odisha | 19. Mumbai | 34. Prashikshak |
| 6. Vision-2018 | 20. Sujoy Bose | 35. Odisha and Punjab |
| 7. Nokia | 21. Odisha | 36. Amul |
| 8. Yasmin Sooka | 22. NS Vishwanathan | 37. Toshihiro Suzuki |
| 9. Prof. Sanjay Mittal | 23. Zubaida Bai | 38. Israel |
| 10. 35th | 24. Nepal | 39. KG Subramanyan |
| 11. Pune | 25. 105th | 40. Italian |
| 12. Uttarakhand | 26. Argentina | 41. Tanzania |
| 13. UK | 27. \$501 million | 42. Bhutan |
| 14. Bangladesh | 28. 63 million | 43. \$1 billion |
| | 29. China | |

Twisted Ones for IBPS, SSC & RBI Exams: Reasoning

Directions (1-5): In each question below is given a group of numbers separated by comma (,). They are followed by four combinations of conditions numbered (1), (2), (3) and (4), and a letter/symbol table. You have to find out which of the given combinations correctly represents the group of numbers based on the following coding system and mark the new code of that combination as the answer. If no condition is applicable coding will be according to the table. If none of the four combinations correctly represents the group of numbers, mark 'None of the above', as the answer.

Numbers	3	13	4	88	17	2	44	11	16	30	92	29	8	41	46
Letters/Symbol	A	Z	#	&	K	C	@	S	\$	N	Q	%	B	*	L

Conditions:

- 1) If the first number is a prime and the last number is a composite number then their codes are to be interchanged.
- 2) If both the first and the last number is Prime both are to be coded as \$.
- 3) If both the first and the last letters are Composite and in between there are two or more Prime numbers then Prime numbers are to be coded as A.
- 4) If the first number is composite and the last number is a prime number, both are to be coded as the code for the composite number.

1. 4, 17, 88, 16, 3

- (a) #, K, &, \$, # (b) A, K, &, \$, # (c) A, K, &, \$, A
 (d) \$, K, &, \$, \$ (e) None of the above.

2. 44, 11, 4, 2, 8

- (a) \$, S, #, C, \$ (b) A, S, #, C, A (c) B, S, #, C, @
 (d) @, S, #, C, B (e) None of the above.

3. 13, 88, 30, 29, 3

- (a) Z, &, N, %, \$ (b) &, &, N, %, \$ (c) \$, &, N, %, \$
 (d) Z, &, N, %, Z (e) None of the above

4. 29, 4, 11, 46, 92

- (a) Q, #, S, L, Q (b) Q, #, S, L, % (c) \$, #, S, L, \$
 (d) %, #, S, L, Q (e) None of the above

5. 16, 13, 44, 11, 88

- (a) \$, A, @, A, & (b) S, \$, @, A, & (c) \$ A, @, A, \$
 (d) Q, A, @, A, \$ (e) None of the above

Directions (6-7): Read the following information carefully and answer the question that follow-

According to survey, playground is a prerequisite for granting permission to set up schools. As playground in school are nursery beds for a culture of physical exercise and fitness. This is vital for development of a child physical potential.

- A) Lapse in early stages of development can have serious consequence on child health.
- B) An idle school should have playground facility.
- C) Sports facility is necessary for children development.
- D) Lack of physical activity is going to be the main challenge for future generation.
- E) Without playground children will concentrate more on studies.
- F) Sports are not the only suitable methods for development of child.
6. Which of the following among A), B), C), D), E) and F) may be strong argument in favour of these who want to set up schools without playground.
 (a) Only A (b) Both A and C (c) Both E and F
 (d) Only B, D and F (e) None of these
7. Which of the following among A), B), C), D), E) and F) may be

n behind the survey?

- (a) Only A (b) Both A and C (c) Only B
 (d) Only A, C and E (e) Only C, D and F

Directions (8-10): Triangle represents Δ (1) and circle represents \circ (0). If triangle appears in unit's place then only its value is 0. If it appears in 10's place its value is 1 and when it appears in 100's place is doubled to 2 like that it continues. Questions based on this

For example:

$$\Delta \circ = 0+0=0$$

$$\Delta \circ \Delta \Delta \Delta = 8+0+2+1+0=11$$

8. How will you represent '29' in this code language?

- (a) $\Delta \Delta \Delta \circ \Delta \Delta$ (b) $\circ \circ \Delta \Delta \Delta \circ \circ$ (c) $\Delta \Delta \Delta \Delta \Delta \Delta \Delta \circ$
 (d) $\Delta \circ \Delta \circ \Delta \circ \Delta$ (e) $\Delta \circ \Delta \Delta \circ \circ \circ$

9. What will be the code for $\circ \Delta \circ \Delta \circ \Delta \circ \Delta$?

- (a) 12 (b) 74 (c) 21
 (d) 16 (e) 4

10. What will be $\circ \Delta \circ \Delta \Delta + \circ \Delta \Delta \circ \Delta$ equal to?

- (a) $\circ \Delta \Delta \circ \Delta$ (b) $\Delta \circ \Delta \circ \Delta$ (c) $\Delta \Delta \circ \circ \circ$
 (d) $\circ \Delta \circ \Delta \Delta$ (e) $\Delta \circ \Delta \Delta \circ$

Answers:

1. (a) In 4,17,88,16,3 the first number is a composite and last is a prime; so codes will be according to condition (4).
2. (d) Given set of numbers are 44,11,4,2,8, here both first and last numbers are composite and there is only one prime number in between them. Hence no condition will apply and the codes are according to the given symbol table.
3. (c) Given set of numbers are 13, 88, 30, 29, 3, here the starting and the last numbers are prime. Hence condition (2) will apply and the first and last numbers will be coded as \$.
4. (b) Given set of numbers are 29,4,11,46,92, here first is prime and last number is a composite number. Hence condition (1) is applicable.
5. (a) Given set of numbers are, 16, 13, 44, 11, 88, here first and last numbers are composite numbers and there are two prime numbers between them. Hence condition (3) is applicable.
6. (c) Both (E) and (F) suggest that the playgrounds are not prerequisite necessary for setting up a school.
7. (c) The whole reason to this survey is to bring the importance of playground in school for child physical fitness and development.
8. (a) $\Delta \Delta \Delta \circ \Delta \Delta = 16+8+4+0+1+0=29$
9. (c) $\circ \Delta \circ \Delta \circ \Delta \circ \Delta = 0+16+0+4+0+1+0=21$
10. (e) As $\circ \Delta \circ \Delta \Delta = 0+4+0+1+0=5$
 And $\circ \Delta \Delta \circ \Delta = 0+4+2+0+0=6$
 Hence $5+6=11$
 And decoding $\circ \Delta \Delta \circ \Delta = 8+0+2+1+0=11$ Hence option (e) is the correct answer.

Twisted Ones for IBPS, SSC & RBI Exams: Quantitative Aptitude

Directions (1-5): Given below in the table showing data of a metro travelling from Rohini to Karol Bagh:

Stations	Speed (m/min)	Distance between two stations (km)	Time taken (min)
Rohini to Tilak Nagar	1100	2.75	-
Tilak Nagar to Lajpat Nagar	1500	-	-
Lajpat Nagar to Khan Market	-	4.5	3
Khan Market to Ashok Nagar	1200	2.25	-
Ashok Nagar to Karol Bagh	1000	-	-

7. A 50 cm wide path is to be made around a circular garden having diameter of 8 m. Approximately, what is the area (in sq m) of the path?

Directions (8-10): In these questions, a question is given followed by information in three statements. You are to consider the information in all the three statements and decide the information in which of the statements is not necessarily required to answer the question and therefore can be dispensed with. Indicate your answer accordingly.

Solutions:

1. (c) Time taken from Rohini to Tilak nagar = $\frac{2.75 \times 1000}{1100} = 2.5$ minutes
 \therefore Time taken from Tilak nagar to Rohini = 5 min
Distance = $5 \times 1500 = 7500\text{m} = 7.5\text{ km}$

2. (c) Average = $\frac{1100 + 1500 + 1500 + 1200 + 1000}{5} = \frac{6300}{5} = 1260$
 $\text{m/min} = 75.6\text{ km/hr}$

3. (b) Total distance = $2.75 + 7.50 + 4.5 + 2.25 + d = 20$

$\therefore d = 3 \text{ km}$

$$\therefore \text{Time} = \frac{3000}{1000} = 3 \text{ minutes}$$

4. (d) Required% = $\frac{3-1.875}{1.875} = \frac{1.125}{1.875} \times 100 = 60\%$ more

5. (a) Speed from Ashok nagar to Karol Bagh = $\frac{3000}{3+2} = 600$
 New average speed = $\frac{1100+1500+1500+1200+600}{5} = \frac{5900}{5} = 1180$
 $\therefore \text{Required%} = \frac{(1260-1180)}{1260} \times 100 = \frac{80}{1260} \times 100 = 6.35\%$

6. (b) Number of letters N = 8

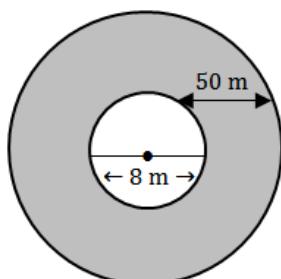
In order to have the total number of words found, first place N, I, N, T, N at tick places

Then, place E's at cross places, thus no two E's are together

X ✓ X ✓ X ✓ X ✓ X ✓ X

Hence, the total number of ways = $\frac{5!}{3!} \times {}^6C_3$

7. (a)



Diameter = 8 m

$$\therefore \text{Radius} = \frac{8}{2} = 4 \text{ m} \Leftrightarrow r = 4 \text{ m}$$

Wideness of path = $50 \text{ cm} = 0.5 \text{ m} \Leftrightarrow R = 4.5 \text{ m}$

Area of path = $\pi(R^2 - r^2) = \frac{22}{7}(4.5^2 - 4^2)$

$$= \frac{22}{7} \times (4.5 + 4)(4.5 - 4)$$

$$= \frac{22}{7} \times 8.5 \times 0.5 = 13.357 \text{ m}^2 \approx 13 \text{ m}^2$$

8. (c)

Sol. From statements I and II,

If the monthly income of Mr. Ram is Rs. X then

$$\frac{15 \times x}{100} = 4500 \Rightarrow x = \frac{4500 \times 100}{15} = \text{Rs. } 30000$$

From statements I and III,

$$x \times \frac{4}{5} \times \frac{85}{100} = 20400$$

$$x = \frac{20400 \times 5 \times 100}{4 \times 85} = \text{Rs. } 30000$$

Income can be determined from Either I and II or I and III

9. (e)

Sol. From all three statements

Investment of Sarika = $\left(\frac{3}{8} \times 2.5\right) \text{lakh} = \text{Rs. } 93750$

Investment of Garima = $\left(\frac{5}{8} \times 2.5\right) \text{lakh} = \text{Rs. } 156250$

Ratio of profits of Monika, Sarika and Garima

$$= 85000 \times 24 : 93750 \times 18 : 156250 \times 18$$

$$= 272 : 225 : 375$$

Hence, we can find the share of profit of Monika if the amount of profit is given.

10. (d)

Sol.

Suppose labeled price of goods be Rs. x

From statements II,

$$\frac{95 \times x}{100} = 608 \Rightarrow x = \frac{608 \times 100}{95} = \text{Rs. } 640$$

So, we can find the answer without statements I and III also.

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Formal Letter & Precis Writing for SSC CGL-2016

Letter Writing

Formal Letters:

These letters are written to some organization's authority for some specific purpose or work e.g. letter to the bank manager, school principle, municipality or any other organisation. The Addressee in the formal letter is not your relative or friend.

On a broader sight, formal letters which can be asked in the exam are of following types:

- (a) Letter to the **bank manager, credit officer** or any other Financial Institution regarding some problem related to bank account, credit/debit cards, request for loan, registering complaints etc.
- (b) Business or official letters to some **organisation** (for making enquiries, registering complaints, asking for or giving information, placing orders and sending replies).
- (c) Letters to the **editor** (giving suggestions on an issue).

There are many formats to write a formal letter, but, here we will take a single standard format which can be used for any formal letter, **so that you may not get confused in the examination that which format to use and which not.**

In English there are a number of conventions that should be used when writing a formal or business letter. Furthermore, you try to write as simply and as clearly as possible, and not to make the letter longer than necessary. Remember not to use informal language like contractions.

Addresses:

1) Your Address

The return address should be written in the top right-hand corner of the letter.

2) The Address of the person you are writing to

The inside address should be written on the left, starting below your address.

Date:

Different people put the date on different sides of the page. You can write this on the right or the left on the line after the address you are writing to. Write the month as a word.

Salutation or greeting:

1) Dear Sir or Madam,

If you do not know the name of the person you are writing to, use this. It is always advisable to try to find out a name.

2) Dear Mr Jenkins,

If you know the name, use the title (Mr, Mrs, Miss or Ms, Dr, etc.) and the surname only. If you are writing to a woman and do not know if she uses Mrs or Miss, you can use Ms, which is for married and single women.

Write the body of the letter.

The body of the letter need not be more than three paragraphs. If you can't say it in three paragraphs or less then you're probably not being concise enough. Single space and left justify each paragraph within the body.

In the first paragraph, write a friendly opening and then state the reason or goal of the letter. Cut straight to the chase.

In the second paragraph, use examples to stress or underline your point, if possible. Concrete, real examples are always better than hypothetical examples.

In the final paragraph, briefly summarize your purpose in writing and suggest how you might want to proceed further.

Ending a letter:

1) Yours Faithfully

If you do not know the name of the person, end the letter this way.

2) Yours Sincerely

If you know the name of the person, end the letter this way.

3) Your signature

Sign your name, then print it underneath the signature. If you think the person you are writing to might not know whether you are male or female, put your title in brackets after your name.

Precis Writing

What is a precis?

The definition

Precis, from the Old French and literally meaning “cut short”, is a concise summary of an article or other work. The precis, then, explains the main point, logical support, and structure of the original work but in greatly condensed form. The precis is objective, unlike a critical analysis, which evaluates the argument and use of evidence within an article. Thus, the precis does not offer evaluations about a text, nor does it include personal reaction to a text.

How should a writer begin to write a precis? The process

- Read and annotate the article or other text.
- Reflect on the author's purpose.
- Consider the kinds of evidence the author uses.
- Restate the author's thesis in your own words.
- Write a one or two sentence summary of each section or subdivision of the article.
- Reread the article to compare it with your summary notes.
- Begin writing, using your paraphrase of the thesis and your one or two sentence summary statements.
- Review your précis to confirm that you have explained the main point of the article, identified the supporting evidence that the writer uses, and have used the same logical structure as the text.
- Finally, check for clarity, coherence, and correctness.

How should a precis be structured? The format

Introduction:

Some writers offer a hook; explain the author's broad topic; and then restate the author's thesis, while others may open with a restatement of the author's thesis and then explain the broader framework of the subject. In order to determine which approach would best suit the assignment, ask your professor about the format of the introduction. In either format, the restatement of the thesis should include the name of the author, the title of the article, and the date of its publication.

Body Paragraphs:

Generally, each body paragraph should explain a separate section of the text and should provide the evidence (though in greatly condensed form) that the writer has used to

support that section. If used, quotations should be brief, should be correctly introduced or incorporated, and should be correctly attributed.

Conclusion:

The conclusion should restate the main idea of the text and reiterate the main support. Remember to avoid any personal statements about the text.

Example:

Write a précis of the following passage to one-third of its length and also give a suitable title-

Today there are 3000 million people in the world. Fifty years ago only about 2000 million people lived in it. If earth's population were evenly distributed over its land surface, there would be about 550 persons to the square mile. But Earth has vast areas of forest, mountains and desert which are almost totally inhabited. On the other hand, it has great cities each with millions of people living in a few square miles.

To feed the fast growing population of our earth, scientists and planners have to discover new ways to produce more. One possible way is to bring more land not under cultivation. This can be done only in places where there is lot of land not used for productive purposes. In many places there is no longer possible all the arable land is already cultivated. A second way is to make use of new types of seeds to produce more. Already a number of new strains of paddy and wheat have been developed in different parts f the world. India is one of the countries where a lot of useful work has been done in the field of agriculture research.

Title: World Population and Food Production

Precis: During the last fifty years, the world population has increased from 2000 to 3000 million. It is unevenly distributed with millions of people living in a few big cities. Scientists in India and abroad are, therefore, busy with agriculture research to find out new methods of increased food production to feed them all and they have already developed many new strains of paddy and wheat.



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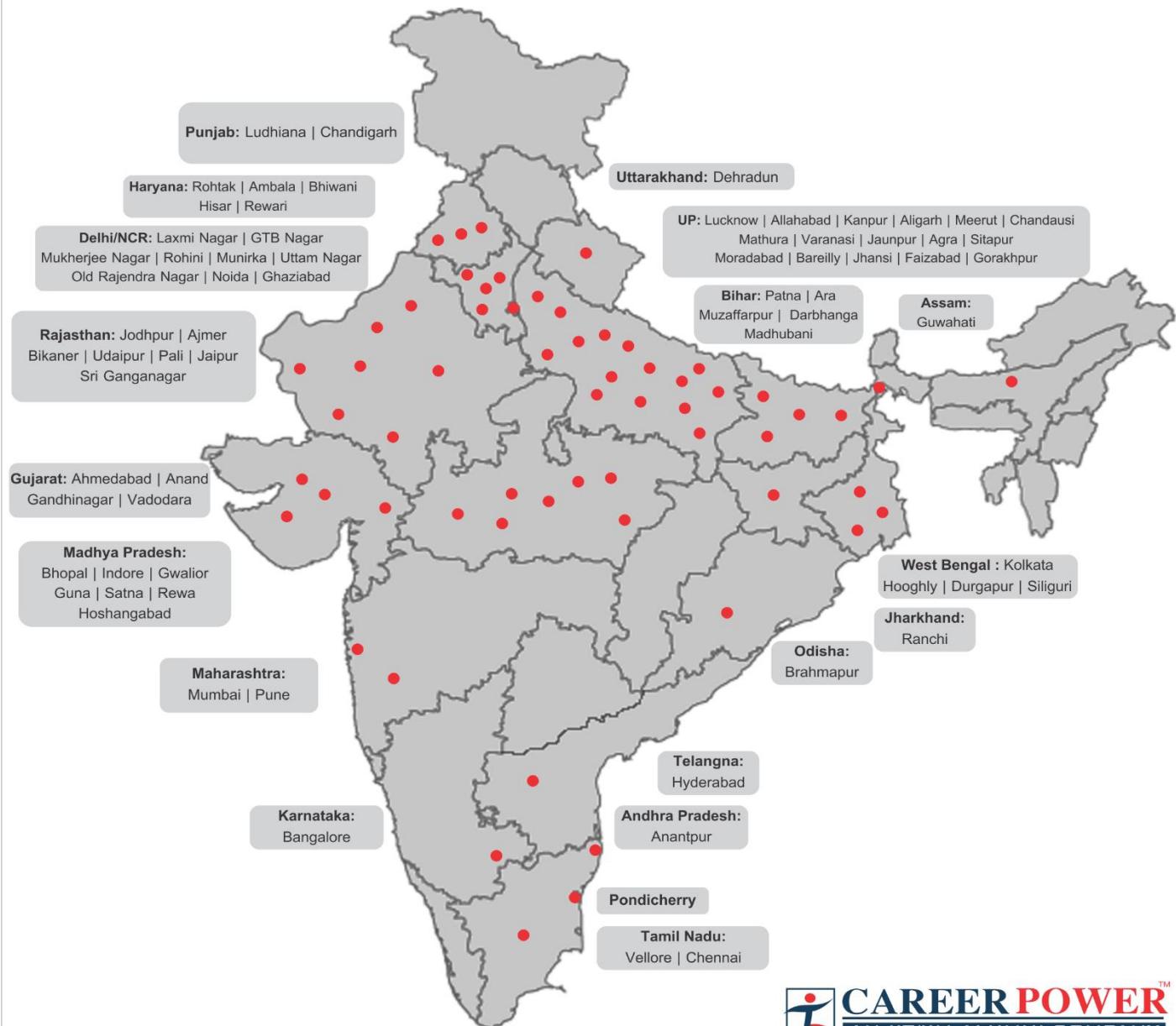


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SSC-CGL (TIER-I) 2016 ONLINE EXAM PRACTICE SET

GENERAL INTELLIGENCE & REASONING

Directions (1 – 3): In each of the following questions select the related letters/word/number from the given alternatives.

1. MBT : 13257 :: XAN : ?

- | | |
|------------|------------|
| (a) 226154 | (b) 256184 |
| (c) 242613 | (d) 145240 |

2. MODERATE : INTENSIFY :: NOMINAL : ?

- | | |
|--------------|---------------|
| (a) Memorial | (b) Expensive |
| (c) Distance | (d) Chaos |

3. 48 : 12 :: ? : 9

- | | |
|--------|---------|
| (a) 68 | (b) 55 |
| (c) 42 | (d) 126 |

Directions (4 – 5) : In each of the following questions, find the odd number/letters from the given alternatives.

4. (a) 2 : 6 (b) 21 : 25
(c) 13 : 17 (d) 27 : 29

5. (a) o (b) i
(c) e (d) u

Directions (6): In the following question among the given alternatives select the one in which the set of numbers is most like the best of numbers given in the questions.

Given Set: (16, 64, 144)

6. (a) (9, 36, 81) (b) (9, 48, 81)
(c) (16, 81, 100) (d) (9, 49, 169)

Directions (7) : In the following question, which one of the given responses would be a meaningful order of the following?

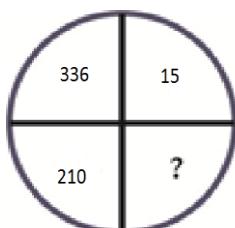
7. 1. year 2. Hour
3. Month 4. Second 5. Day
(a) 5, 2, 3, 1, 4 (b) 4, 2, 5, 3, 1
(c) 5, 2, 3, 4, 1 (d) 4, 2, 1, 3, 5

8. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

- ac__cab__baca__abc__ac
(a) acbb (b) acbc
(c) bcbb (d) bcba

Directions (9) : In the following question, select the missing number from the given response.

9.

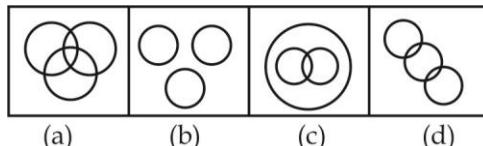


- (a) 8

- (b) 6.5

- (c) 7 (d) 8.5

10. Which diagram correctly represents the relationship between Mosquito, Malaria, Rabies?



11. How many pairs of letters are there in the word "READ" which have as many letters between them in the words as they have between them in the English alphabet?

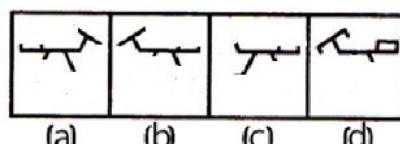
- (a) None (b) Two
(c) One (d) Three

Directions (12) : If a mirror is placed on the line MN, then which of the answer figures is the correct image of the given question figure?

12. Question Figure :

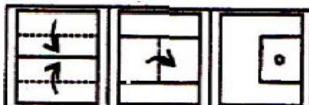


Answer Figure :

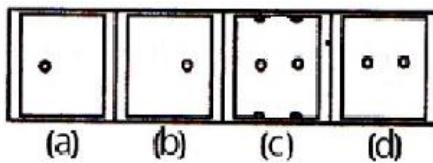


Directions (13) : A piece of paper is folded and cut as shown below in the question figure. From the given answer figures. Indicate how it will appear when opened.

13. Question Figure :



Answer Figure :



14. If two days after yesterday is Monday what will be the day of the week 2 days before day after tomorrow?

- (a) Thursday (b) Friday
(c) Wednesday (d) Saturday

15. At 4 hrs. and 40 minutes, what will be the angle between both hands?

- (a) 120° (b) 100°
(c) 90° (d) 130°

QUANTITATIVE APTITUDE

- (c) 36 lit. (d) 48 lit.
54. A certain sum was lent at compound interest of 4% for 3 years. Interest of third year is Rs. 25.50 more than that of first year. Find the sum lent?
- (a) 8815.75 (b) 7812.50
(c) 7525.50 (d) 7925.50
55. In a ΔPQR a line intersects PQ & PR at M and N and is parallel to QR . If the segment $PM = NR$, $MQ = 4$ cm and $PN = 9$ cm then the length of NR is ?
- (a) 3 cm (b) 6 cm
(c) 12 cm (d) 15 cm
56. A circle touches the four sides of a quadrilateral PQRS. The value of $\frac{PQ+RS}{QR+PS}$ is equal to :
- (a) $\frac{1}{3}$ (b) $\frac{1}{4}$
(c) $\frac{1}{2}$ (d) 1
57. If the radius of a cone is increased by 30% and height is decreased by $37\frac{1}{2}\%$. Then the percentage change in the volume would be.
- (a) $4\frac{3}{8}$ (b) $7\frac{3}{8}$
(c) $5\frac{5}{8}$ (d) $7\frac{5}{8}$
58. The length of an isosceles Δ are 22 and 17 respectively. What are the possible values of perimeter ?
- (a) 61 or 48 (b) 61 or 56
(c) 56 or 48 (d) 48 or 58
59. A can do a piece of work in $2\frac{1}{2}$ days and B can do a work in $2\frac{1}{3}$ days. They worked for a day. What percentage of work is still left.
- (a) $17\frac{1}{7}\%$ (b) $23\frac{2}{3}\%$
(c) $15\frac{2}{3}\%$ (d) $19\frac{5}{9}\%$
60. A can do a work in 15 days, B can do it in 5 days more than A and C can do it in 5 days less than A. They started working together and worked for 3 days. Now D and E came in to complete the remaining work in 3 days. If E can alone complete the remaining work in 7 days. Then in how many days D can complete the 20% of the work.
- (a) 2 days (b) 7 days
(c) 5 days (d) 3 days
61. Arun buy a laptop for Rs. 6,00,000, whose price depreciates and increases alternatively every year. Starting for depreciation of 16% then increase of $37\frac{1}{2}\%$ and $24\frac{8}{33}\%$. Find the value of the laptop after 3 years.
- (a) 6,25,000 (b) 5,25,000
(c) 4,75,000 (d) 5,75,000
62. A milkman makes 20% profit by selling milk mixed with water at Rs. 9 per litre. If the cost price of 1 litre pure milk is Rs. 10, then the ratio of milk and water is the said mixture is
- (a) 3 : 1 (b) 4 : 1
(c) 3 : 2 (d) 4 : 3
63. If a discount of 20% on the marked price of a shirt saves a man Rs. 150, how much did he pay for the shirt ?
- (a) Rs. 600 (b) Rs. 650
(c) Rs. 500 (d) Rs. 620
64. If $x = (\sqrt{2} + 1)^{\frac{1}{3}}$, the value of $(x^3 + \frac{1}{x^3})$ is
- (a) -1 (b) 0
(c) $\frac{\sqrt{2}+1}{3}$ (d) $2\sqrt{2}$
65. If $P = 56$, then the value of $\sqrt[3]{(P(P^2 - 3P + 3) - 1)}$ is
- (a) 53 (b) 15344
(c) 55 (d) 1525
66. If $x = 2$, then the value of $x^3 + 27x^2 + 243x + 631$ is:
- (a) 1211 (b) 1231
(c) 1233 (d) 1321
67. The average expenditure of a man for the first five months is Rs. 1200 and for the next seven months is Rs. 1300. If he saves Rs. 2900 in that year, his monthly average income is :
- (a) Rs. 1600 (b) Rs. 1700
(c) Rs. 1400 (d) Rs. 1500
68. A train travelling at 48 km/hr crosses another train, having half its length and travelling in opposite direction at 42 km/hr, in 12 seconds. It also passes a railway platform in 45 seconds. The length of the railway platform is
- (a) 200 m (b) 300 m
(c) 350 m (d) 400 m
69. If $p = -0.12$, $q = -0.01$ & $r = -0.015$, then the correct relationship among the three is
- (a) $p < r < q$ (b) $p > r > q$
(c) $p < q < r$ (d) $q < p > r$
70. If $a = 4011$, and $b = 3989$, then value of $ab = ?$
- (a) 15999879 (b) 15899879
(c) 15989979 (d) 15998879
71. If $\sin \theta = 0.7$, then $\cos \theta, 0 \leq \theta \leq 90^\circ$ is :
- (a) 0.3 (b) $\sqrt{0.49}$
(c) $\sqrt{0.51}$ (d) $\sqrt{0.9}$
- Directions (72-75):** Study the pie chart carefully and answer the questions.
-
- | Category | Percentage |
|-------------------------------|------------|
| Non Members | 40 |
| Members of Football Club only | 15% |
| Members of Both Clubs | 75% |
| Members of Cricket Club only | 5% |
72. Percentage of students who are not members of any club is:
- (a) 10% (b) 6%
(c) 5% (d) 8%

- (c) 63 percent and 92 percent.
 (d) No improvement
92. A number of senior officials of banking institutions, including the Chairman of the SBI, was asked to go on leave.
 (a) A number of senior officials of
 (b) banking institutions, including the Chairman of the SBI,
 (c) was asked to go on leave.
 (d) No improvement

Directions (93-95): In these questions, a sentence or a part of sentence is underlined. Below are given alternatives to the underlined part which may **improve the sentence**. Choose the correct alternative. In case no improvement is needed, your answer is (D).

93. Washington Irving's German-influenced stories were profoundly moving to Americans, knowing more than most Britons what it was to feel the trauma of rapid change, and Americans found in the Lazy Rip a model for making a success of failure.
 (a) know more than the most
 (b) knowing more then most
 (c) most who knew more about what
 (d) who knew more than most

94. In order to make skiing smoother, safer, and more enjoyable, a number of resorts have hired consultants to design and sculpt the trails.
 (a) In order to make skiing smoother, safer, and more enjoyable a number of consultants have been hired by resorts.
 (b) In the interest of making skiing smoother, safer, and able to be enjoyed, a number of resorts have hired consultants
 (c) To make skiing smoother, safer, so that you can enjoy it, a number of resorts have hired consultants
 (d) No improvement

95. Health workers are responsible for monitoring health care service of people.
 (a) health care off people
 (b) health care through people
 (c) health of people
 (d) healthcare services of people

Directions (96-100): Read the passages carefully and choose the best answer to each question out of the four alternatives.

Burhan Wani, the 22-year-old "commander" of the Hizb-ul-Mujahideen gunned down by the security forces in Anantnag, was credited with mobilising a new generation of the disaffected in Jammu and Kashmir. In the violent aftermath of his death, however, young men and women have taken the fight to the security forces on the street. Pitched battles have engulfed the Valley. Wani was obviously a prize catch. His engaging manner had turned him into a legend before his death, as he coasted on personal charisma and social media smarts to become the 'poster boy' of a new phase of Kashmiri militancy that is homegrown. But having got their man, the security forces failed

spectacularly in managing the situation. After the death of over a hundred Kashmiris in the stone-pelting protests in the summer of 2010, the J&K police and the paramilitary forces were said to have evolved less lethal ways of bringing under control what is essentially political mobilisation. The fact that so many civilians have been killed or injured in the eye this month, with a high percentage having possibly lost vision altogether, suggests that no care has gone into keeping the casualties low. Faced with an attacking mob, policemen are bound to perceive a sense of siege. But it is imperative that any response should be measured and never grossly disproportionate to the cause of action — forgetting this lesson in Kashmir has time and again led to the fuelling of a further cycle of protests, to attracting more impressionable and aggrieved youngsters to attack symbols of authority. The group from which Burhan Wani belongs was holding up pro-Pakistan Ideology, the group is considered to be the largest indigenous militant wing in Kashmir.

This is a cycle that cannot be broken by brute force. The Central and State governments have reached out to the Opposition and separatist leaders to dissuade young Kashmiris from street violence. But appeals for calm must be strengthened with a demonstrable capacity for a political conversation. When tens of thousands of Kashmiris hit the streets in mourning for a fallen militant, there is a spectrum of political opinion that presents itself. They can be dispersed with pellets. But if 'mainstream' politics does not speak to them, if their arguments are not heard patiently to be countered or fleshed out, as the case may be, the calm that eventually obtains will be an illusion. The Valley has been restive for more than a year now. In this period, Wani is not the only militant whose funeral has drawn people in the thousands. But after long, after more than a decade of violence led by foreign militants, he was the rare local boy to be seen in a leadership role. To put his **mourners** in a with-us-against-us binary would, as Omar Abdullah has said, give him a recruiting power from beyond the grave.

refer to THE HINDU July 12,2016

96. According to the passage ,the community Hizb-ul-Mujahideen are known for ?
 (a)separatist group with pro-India ideology
 (b)Terrorist group of Pakistan
 (c)separatist , holding up the pro-Pakistan ideology
 (d)Non of the above
97. "Forgetting this lesson in Kashmir has time and again led to the fuelling of a further cycle of protests, to attracting more impressionable and aggrieved youngsters to attack symbols of authority". According to the passage, What really is the output of these cycle of protests ?
 (a)nothing but only the causality of life
 (b) to get the RIGHTS of the Kashmiri people
 (c) put the security forces on back foot
 (d)to encourage groups like "Hizb-ul-Mujahideen"
98. Which of the following statements are **NOT TRUE** according to the given passage?

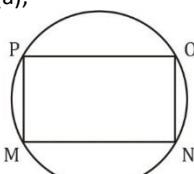
1. His engaging manner had turned him into a legend before his death, as he coasted on personal charisma and social media smarts to become the 'poster boy' of a new phase of Kashmiri militancy that is homegrown.
 2. The security forces failed spectacularly in managing the situation.
 3. Wani is the only militant whose funeral has drawn people in the thousands.
 - (a) Only (1)
 - (b) Only (2)
 - (c) Only (3)
 - (d) Non of the above
- 99.** What could be the suitable 'title' of the given passage ?
- (a) "Calming the valley"
 - (b) politics behind the page
 - (c) life of kashmiris
 - (d) Increasing tension in north
- 100.** Choose the word which is most opposite in meaning to **mourners** as used in the passage.
- (a) wailer
 - (b) griever
 - (c) applauder
 - (d) malefic

HINTS

1. (c); MBT $\Rightarrow 13/25/7$
XAN $\Rightarrow 24/26/13$
 2. (b); Expensive: opposite to Nominal.
 3. (d); $4 + 8 = 12$
 $1 + 2 + 6 = 9$
 4. (d); Difference of numbers is 4 except in option 'd'
 5. (c); Position of vowel is prime.
 6. (a); Adding the square root of 1st and 2nd number and making its square.
 7. (b);
 8. (c); bcbb
 9. (c); $(15)^2 - 15 = 210$
 $(7)^3 - 7 = 336$
 10. (b); All three are different from one another.
 11. (a); None
 12. (b);
 13. (c);
 14. (b) Friday.
- | | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|
| 26 | d | 31 | c | 36 | d | 41 | a | 46 | d |
| 27 | c | 32 | c | 37 | d | 42 | a | 47 | a |
| 28 | b | 33 | c | 38 | a | 43 | d | 48 | d |
| 29 | b | 34 | d | 39 | d | 44 | d | 49 | b |
| 30 | b | 35 | a | 40 | d | 45 | c | 50 | b |
15. (b); Min. $= \frac{2}{11} \times (Hour \times 30 \pm A^\circ)$
 $40 = \frac{2}{11} \times (4 \times 30 \pm A^\circ)$
 $A^\circ = 100^\circ$
 16. (a); $8 = 3, 0 = 6, 4 = 2, 9 = 5$
 $\Rightarrow 362 + 5 = 367$
 17. (c); BRAZIL $\Rightarrow 2/18/1/26/9/12$
 $\Rightarrow 291893$
 18. (b); Add the numbers and divide by 2.
 19. (b); From the two different views of the dice it is clear that '3' lies opposite to '5'.
 20. (c); Total = 19
 21. (d); None of the **Conclusions** is implicit in the statement.
 22. (d); $24 \times 12 + 18 \div 9 = ?$
 $288 + 2 = 290$
 23. (a); 23 kms
 24. (a);
 25. (b); Adding the position of letters.

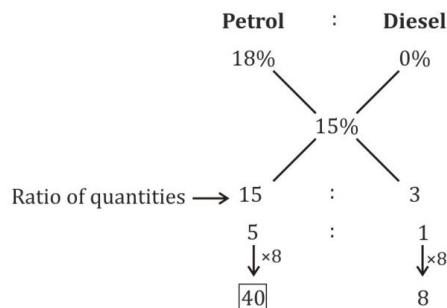
26	d	31	c	36	d	41	a	46	d
27	c	32	c	37	d	42	a	47	a
28	b	33	c	38	a	43	d	48	d
29	b	34	d	39	d	44	d	49	b
30	b	35	a	40	d	45	c	50	b

51. (c); Put $x = 0$
 $\cos 0 = 0 - 0 + 1 \Rightarrow 1 = 1$
52. (a);



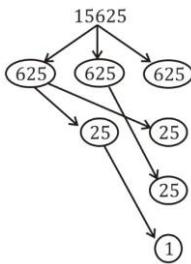
$\angle M + \angle O = \angle N + \angle P = 180^\circ$
 $\angle M = 180^\circ - \angle O$
 $\cos M = \cos(180^\circ - O) = -\cos O$
 Similarly
 $\cos N = -\cos P$
 $\Rightarrow \cos M + \cos N + \cos O + \cos P = 0$

53. (d); Alligating,



* In Petrol Diesel would be 0
 Total mixture tank holds $= (40 + 8) = 48$ lit.

54. (b); Rate $= 4\% = \frac{1}{25}$
 Let the principal $= (25)^3 = 15625$



C.I. for 3rd year = 676 unit

C.I. for 1st year = 625 unit

Diff = 51 unit

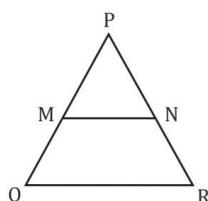
\therefore 51 unit = 25.50

1 unit = 25.50

$1 \text{ unit} = \frac{1}{2}$

$\therefore \text{principal} = \frac{15625}{2} = 7812.5$

55. (b); $\Delta PQR \sim \Delta PMN$

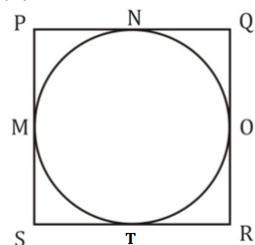


$$\Rightarrow \frac{PM}{MQ} = \frac{PN}{NR}$$

$$\Rightarrow \frac{PM}{4} = \frac{9}{PM} \Rightarrow PM^2 = 36$$

$$\Rightarrow PM = NR = 6 \text{ cm}$$

56. (d); Let the circle touches quadrilateral at MNOT.



$$\Rightarrow PM = PN$$

$$MS = ST$$

$$QN = QO$$

$$RT = RO$$

$$\Rightarrow \frac{PQ+RS}{QR+PS} = \frac{PN+NQ+RT+TS}{QO+OR+PM+MS} = 1$$

57. (c); Volume of cone = $\frac{1}{3}\pi r^2 h$.

Change depends on radius and height

$$\Rightarrow 30\% = \frac{3}{10} \text{ & } 37\frac{1}{2}\% = \frac{3}{8}$$

$$10 \text{ --- } 13$$

$$10 \text{ --- } 13$$

$$8 \text{ --- } 5$$

$$160 \text{ --- } 169$$

$$\% \text{ Change} = \frac{9}{160} \times 100$$

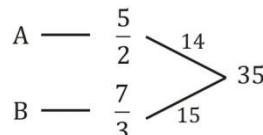
$$= \frac{45}{8} = 5\frac{5}{8}\%$$

58. (b); The third side will be either 22 or 17.

$$\Rightarrow \text{possible perimeter} = 22 \times 2 + 17 = 44 + 17 = 61$$

$$\text{or } 17 \times 2 + 22 = 34 + 22 = 56$$

59. (a);

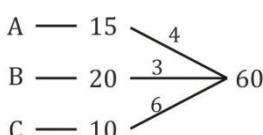


Total work done in a day = 29

Work left = 6

$$\% \text{ work left} = \frac{6}{35} \times 100 = 17\frac{1}{7}\%$$

60. (d);



Total work done by (A + B + C) in 3 days = $13 \times 3 = 39$

Remaining work = $60 - 39 = 21$

D & E do remaining work in 3 day

$$\Rightarrow \text{Efficiency of D + E} = \frac{21}{3} = 7$$

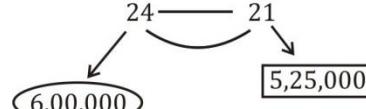
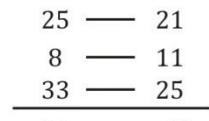
$$\& \text{Efficiency of E} = \frac{21}{7} = 3$$

$$\Rightarrow \text{Efficiency of D} = 4$$

\Rightarrow D can do 20% of the work in $\frac{60 \times 20}{100 \times 4} = 3$ days.

61. (b); $16\% = \frac{4}{25}, 37\frac{1}{2}\% = \frac{3}{8}$

$$24\frac{8}{33}\% = \frac{8}{33}$$

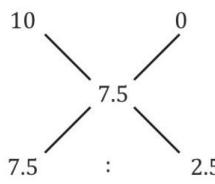


62. (a); S.P. of mixture of milk and water = Rs. 9

Profit = 20%

$$\therefore \text{C.P.} = 9 \times \frac{100}{120} = \text{Rs. } 7.5$$

Now,
Price of
Pure Milk Price of
Water



63. (a); $20\% \rightarrow 150$
 $100\% \rightarrow 750$

$$\Rightarrow 80\% \rightarrow \frac{750 \times 80}{100} = 600 \text{ Rs.}$$

Thus he pay Rs. 600 for the shirt

64. (d); $x = (\sqrt{2} + 1)^{\frac{1}{3}} \Rightarrow x^3 = \sqrt{2} + 1$

$$\frac{1}{x^3} = \sqrt{2} - 1$$

$$\Rightarrow x^3 + \frac{1}{x^3} = 2\sqrt{2}$$

65. (c); $\Rightarrow \sqrt[3]{P(P^2 - 3P + 3) - 1} = \sqrt[3]{P^3 - 3P^2 + 3P - 1}$
 $= \sqrt[3]{(P-1)^3} = P-1 = 56-1 = 55$

66. (c); $x^3 + 27x^2 + 243x + 631 = 8 + 27 \times 4 + 243 \times 2 + 631 = 8 + 108 + 486 + 631 = 1233$

67. (d); Total expenditure = $1200 \times 5 + 1300 \times 7 = 15100$

Total saving = Rs. 2,900

Total income = Rs. 18,000

$$\text{Average monthly income} = \frac{18000}{12} = 1500 \text{ Rs.}$$

68. (d); Relative speed = $(48 + 42) \times \frac{5}{18} = 25 \text{ m/s.}$

Distance travelled in 12 sec = 300 m

$$\text{Length of first train} = 300 \times \frac{2}{3} = 200 \text{ m}$$

$$\text{Distance travelled by 1^{st} trains in 45 sec} = 48 \times \frac{5}{18} \times 45 = 600 \text{ m}$$

Length of platform = $600 - 200 = 400 \text{ mt.}$

69. (a); $p = -0.12$

$$q = -0.01$$

$$r = -0.015$$

If all values would be positive

$$0.12 > 0.015 > 0.01$$

$$p > r > q$$

But they all are negative

$$\Rightarrow p < r < q$$

70. (a); $a = 4011$

$$b = 3989$$

$$ab = 4011 \times 3989 = 15999879$$

71. (c); $\sin^2 \theta + \cos^2 \theta = 1$

$$\cos^2 \theta = 1 - 0.49$$

$$\cos^2 \theta = 0.51$$

$$\cos \theta = \sqrt{0.51}$$

72. (c); According to the question,

\Rightarrow Students of who are not members of any club is = 40

$$\Rightarrow \text{Their percentage} = [100\% - (75\% + 15\% + 5\%)] = 5\%$$

$$\Rightarrow \text{i.e. } 5\% = 40$$

$$\text{Total student } 100\% = 800$$

$$\text{Their percentage} = \frac{40}{800} \times 100\% = 5\%$$

73. (b); According to question,

$$\frac{\text{Cricket Club}}{\text{Football Club}} = \frac{5\%}{15\%} \\ = \frac{1}{3} \Rightarrow 1 : 3$$

74. (d); Total number of students = 800

$$\Rightarrow \text{Members of both the clubs} = 75\%$$

$$\Rightarrow \text{their number} = 800 \times 75\%$$

$$\Rightarrow 800 \times \frac{3}{4} = 600$$

75. (d); Total students = 800

$$\Rightarrow \text{Members of only cricket club} = 5\%$$

$$\Rightarrow \text{their number} = 800 \times 5\% = 40$$

76. (b)

77. (b)

78. (b)

79. (a) **Pantomime**-a theatrical entertainment ; **Gesticulate**- use gestures, especially dramatic ones.

80. (a) **Erudite**- having or showing great knowledge; **didactic**- intended to teach

81. (b) **Inalienable**- not subject to being taken away from or given away by the possessor; **Repealable**-to revoke or rescind

82. (d) **Connubial**-relating to marriage ;**cloistered**-kept away from the outside world

83. (c) 84. (b) 85. (a) 86. (d)

87. (c) 88. (b) 89. (d) 90. (d) 91. (d)

92. (c) use 'were' in place of 'was'

93. (d) 94. (d) 95 (d)

96. (c) refer to 1st paragraph last line "The group from which Burhan Wani belonged was holding up pro-Pakistan Ideology, the group is considered to be the largest indigenous militant wing in Kashmir."

97. (d)

98. (c) refer to 2nd paragraph "Wani is not the only militant whose funeral has drawn people in the thousands."

99. (a)

100. (c) **mourners**- a person who attends a funeral; **applauder**- to express approval of especially by such clapping


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BPS PO 2016 – PRELIMS : PRACTICE SET

REASONING ABILITY

Directions (1-5): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions:

Mark answer (a) if only conclusion I follows.

Mark answer (b) if only conclusion II follows.

Mark answer (c) if either conclusion I or II follows.

Mark answer (d) if neither conclusion I nor II follows.

Mark answer (e) if both conclusion I and II follow.

1. **Statements :** $L = K, P \leq F, F \geq L, N = P$

Conclusion: I. $F = K$ II. $F > K$

2. **Statements :** $M < J, T < M, Z > T$

Conclusion: I. $T < J$ II. $J < Z$

3. **Statements :** $Q = Z, G \geq Q, Q \geq R, C \geq G, J \geq C$

Conclusion: I. $G \geq Z$ II. $C \geq R$

4. **Statements :** $A > B > C, D > E > F, D > C$

Conclusion: I. $E > C$ II. $F > B$

5. **Statements :** $M \geq N, K < L, K > M, N > O$

Conclusion: I. $O < M$ II. $O < K$

Direction (6-10): Study the information given below and answer the given questions.

There are nine persons A, B, C, D, E, F, G, H and I stay on a nine floors building, but not necessarily in the same order. Only one person stays on each floor. All of them have either Ferrari or Audi car of different colours i.e. yellow, golden, red, orange, purple, black, white, silver and grey, but not necessarily in the same order. Only five of them have Audi cars. The ground floor is numbered 1 and the topmost floor is numbered 9.

There are two floors between the floors on which the persons having a black Ferrari and silver Audi stay. C owns a red Ferrari. F does not own a grey Ferrari. A stays on even numbered floor below the even numbered floor on which H stays. The one who own a purple Audi stays on the fourth floor. D stays on the second floor and owns the orange Audi. The one who owns the golden Audi stays on the topmost floor. A does not own a white Audi. F owns a black Ferrari and stays on an odd-numbered floor. There is only one floor between the floors on which F and G stay. E stays immediate above the floor on which I stay. G does not stay on the ground floor. B stays immediate above the floor on which H stay. There are three floors between the floors on which C and F stay. The one who owns the silver car stays immediate above G. E stays on the fourth floor. The one who owns the grey Ferrari stays on the third floor.

6. What is the colour of the Audi/Ferrari of the person who stays on the 7th floor?

(a) Red (b) White (c) Orange
(d) Silver (e) Yellow

7. How many persons are between the one who has golden car and the one who stays on 4th floor?

(a) Five (b) Three (c) Seven

- (d) Four (e) None of these
8. Who lives on the 7th floor?
(a) The one who has white car
(b) B (c) G
(d) Both (a) and (c) (e) The one who has silver car

9. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

(a) Red (b) White (c) Golden
(d) Silver (e) Grey

10. Which of the following coloured car does F has?
(a) Yellow (b) Red (c) Purple
(d) Grey (e) Black

Direction (11-12): Study the following information carefully to answer the given questions:

Ravi starts his journey from his home and he walks 10 km towards South direction. He takes a left turn and walks 8 km. After that he takes a right turn and walks 10 km. Now, he walks 12 km after taking a right turn. Finally he reached his office.

11. In which directions, Ravi's home with respect to Ravi's office?

(a) South-West (b) North (c) West
(d) North-east (e) North-west

12. If Ravi walks 20 km towards east direction from his office. He takes left turn and walks 14 km another takes left turn and walks 8 km. Then how far Ravi from his home?

(a) 20 km (b) 10 km (c) 15 km
(d) 12 km (e) None of these

Direction (13-17): Study the following information carefully to answer the given questions:

Six friends P, Q, R, S, T and U are playing an online videogame and sitting around a circular table. All are facing the centre and have secured different rank i.e. 1st, 2nd, 3rd, 4th, 5th and 6th, but not necessarily in the same order.

U and T sit together. Q is second to the left of the person who secured the 2nd rank. The person who secured the first rank sits second to the left of R. There are two persons between R and the one who secured the 3rd rank. S is immediate right of R and second to the left of U. The person who secured the 4th rank is on the immediate right of T. One who secured the third rank is the neighbour of the persons having first and fifth ranks.

13. Who among the following secured the first rank?

(a) P (b) T (c) S
(d) Q (e) R

14. What is the position of S with respect to P?

(a) Second to the right of P
(b) Immediate left of P (c) Immediate right of P
(d) Second to the left of P (e) None of these

15. Four of the following five are alike in a certain way and

hence they form a group. Which one of the following does not belong to that group?

Direction (18-22): Study the information given below and answer the given questions.

Eight politicians namely viz- Manmohan Singh, Mulayam Singh, Narendra Modi, Rajnath Singh, Pranav Mukherji, Sushma Swaraj, Amit Shah and Arun Jethely visit in three countries i.e. China, America and France and each of them like a different branded watches i.e. Sonata, Fast track, Titan, Royal London, F-Shock, Rolex, Kelvin Kline and Rado, but not necessarily in the same order. At least two and not more than three politicians visit in the same country.

The only other politicians visit in same country with Rajnath Singh, who likes Titan Brand. Manmohan Singh and Amit Shah both politicians visit in France. Amit Shah does not like Kelvin Kline Brand. Rajnath Singh visit in China and likes Sonata Brand. The one who visit in France does not like Rolex Brand. Mulayam Singh likes Royal London Brand but does not visit in America. No one from France likes Rado Brand. Arun Jethely does not like Titan Brand and visit in the same country in which Narendra Modi visit. Narendra Modi likes Rado Brand and Sushma Swaraj likes Fast-Track Brand.

- (e) Rado

Direction (23-25): Study the following information carefully to answer the given questions:

- B is sister of A. D is brother of G.
 - D has only one son. F is the wife of D.
 - F is the daughter of B. A is brother-in-law of H.

- 23.** If C is the husband of I and son of F, then how is H related to C?

- (a) Paternal grandfather (b) Father
(c) Mother
(d) Uncle (e) Maternal grandfather

Direction (26-30): Study the following information carefully to answer the given questions:

Eight person i.e. I, J, K, L, M, N, O and P are sitting in a straight line facing north. Each one of them has passed a recruitment exam and must join the office in different months viz. January, February, March, April, May, June, July and August but not necessarily in the same order.

P sits third to the right of the person whose joining date is in January. Neither I nor M has joining dates in January. P's joining date is not in August. O sits third to the right of the person who joins in May. The person who joins in August sits second to the right of O. I and M are immediate neighbors of each other. Neither I nor M is an immediate neighbor of O. Only one person sits between M and J. K joins two months before July. M joins after April. Only two people sit between M and the person whose joining date is in July. The person whose joining date is in February sits to the immediate left of L. O joins after I.

- 26.** What is the position of P with respect to the one whose joining month is January?

- (a) Second to the right (b) Immediate right
 (c) Second to the left (d) Third to the right (e) None of these

- 27.** Who amongst the following sits exactly between M and J?

- 28.** Which of the following is true regarding L?

 - (a) Only two people sit to the left of L
 - (b) L is sitting third to the right of the person whose joining date in July
 - (c) M and J are immediate neighbours of L
 - (d) I's joining date is in May (e) None of these

29. Four of the following five are alike in a certain way, and so form a group. Which of the following does not belong to the group?

QUANTITATIVE APTITUDE

47. A petrol pump owner mixed leaded and unleaded petrol in such a way that the mixture contains 10% unleaded petrol. What quantity of leaded petrol should be added to 1 litre mixture so that the percentage of unleaded petrol becomes 5%.

- (a) 1000 ml (b) 900 ml
 (c) 1900 ml (d) 1800 ml (e) 800 ml

48. Length of a rectangular field is increased by 8 metres and breadth is decreased by 4 metres, area of the field remains unchanged. If length be decreased by 6 metres and breadth be increased by 5 metres, again area remains unchanged. Find the area of the rectangle.

- (a) 483.5 sq m (b) 484 sq m (c) 485 sq m
 (d) 472.5 sq m (e) Data inadequate

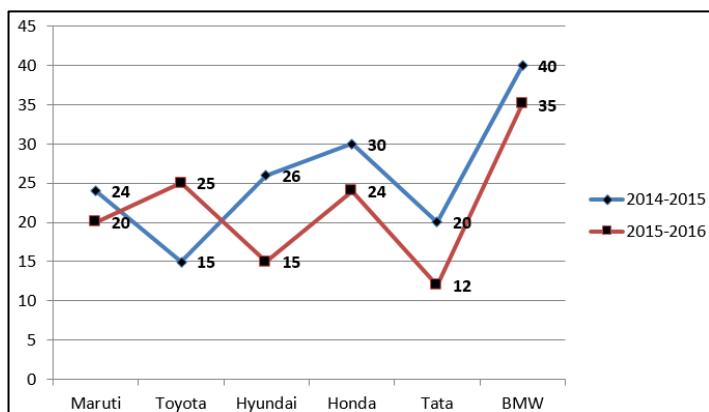
49. The simple interest on a certain sum of money for 2 years at 6% per annum is Rs. 300. Find the compound interest at the same rate and for the same time

- (a) Rs. 310 (b) Rs. 308 (c) Rs. 307
 (d) Rs. 309 (e) Rs. 301

50. 4 men and 6 boys earn Rs 1600 in 5 days. 3 men and 7 boys earn Rs 1740 in 6 days, in what time will 7 men and 6 boys earn Rs 3760?

- (a) 6 days (b) 8 days (c) 10 days
 (d) 12 days (e) 14 days

Directions (51-55): The following line graph shows the percentage rise in the Revenue of six different companies during the period 2014 to 2015 and 2015 to 2016. Answer the given questions based on these information.



51. If the Revenue of company Maruti was 10 billion in 2014 then what will be its revenue in 2016 ?

- (a) 13.26 million (b) 13.72 million (c) 14.24 million
 (d) 14.88 million (e) 15.64 million

52. If the revenue of the company Hyundai is 19.9962 million in 2016, then what was its Revenue in 2014 ?

- (a) 13.8 million (b) 14.2 million (c) 14.6 million
 (d) 15.4 million (e) 15.2 million

53. If the revenue of company Toyota and BMW in 2014 were 14 million and 14.5 million respectively then what will be the total revenue of company Toyota and BMW together in 2015?

- (a) 33.2 million (b) 36.4 million (c) 37.5 million

- (d) 38.6 million (e) None of these

54. If in the year 2014 the revenue of company Honda and Tata were equal then the revenue of city Honda in 2016 is approximately what percent of the total revenue of company Tata in 2015 ?

- (a) 112.8% (b) 127.4% (c) 134.3%
 (d) 137.2% (e) 142%

55. The revenue of company Maruti in 2014 was what percent of its revenue in 2016 ?

- (a) 67.2% (b) 78.4% (c) 87.5%
 (d) 112.6% (e) 148.8%

Direction (56-60): Study the table carefully to answer the questions that follow:

Total number of 12000 Students who are registered in various branches of CAREER POWER institute and Percentage of females and males in these branches-

Branch	Percentage of Student	Percentage of Females	Percentage of Males
Chandigarh	12	45	55
Mumbai	16	50	50
Delhi	11	35	65
Jaipur	25	75	25
Kolkata	22	25	75
Rajasthan	14	20	80

56. Females in Mumbai are approximately what percent of the females in Rajasthan?

- (a) 71 (b) 125 (c) 111
 (d) 88 (e) 286

57. What is the difference between the total number of males and the total number of females from all the coaching together?

- (a) 972 (b) 6684 (c) 1368
 (d) 5316 (e) None of these

58. What is the ratio of the number of males in Kolkata to the number of males in Rajasthan?

- (a) 17 : 7 (b) 28 : 55 (c) 7 : 11
 (d) 165 : 112 (e) None of these

59. What is the ratio of the total males in Chandigarh and Jaipur to that of females in the same coaching?

- (a) 161 : 86 (b) 257 : 483 (c) 19 : 16
 (d) 97 : 51 (e) None of these

60. The total number of students in Jaipur is approximately what percent of the total number of students in Delhi.

- (a) 227 (b) 197 (c) 168
 (d) 79 (e) 44

Directions (61-65): What will come in place of question mark (?) in the following questions?

61. $(13\sqrt{6} + 17\sqrt{6}) \times (12\sqrt{6} - 9\sqrt{6}) - (11)^2 + (4)^2 = ?$

- (a) 565 (b) 345 (c) 435
 (d) 635 (e) 490

62. $175 \times 25 - (97)^2 + \sqrt{9604} + 4410 = (?) - (49)^2$

- (a) 1670 (b) 1570 (c) 2270
 (d) 1850 (e) 1970

63. $37\frac{18}{23} + 174\frac{19}{23} - 87\frac{15}{23} = ?$

- (a) $104\frac{22}{23}$ (b) $142\frac{20}{23}$ (c) $109\frac{18}{23}$
 (d) $124\frac{13}{23}$ (e) $124\frac{22}{23}$

64. $193.261 + 275.373 + 136.93 + 17.229 = ?$

- (a) 723.793 (b) 622.793 (c) 632.673
 (d) 593.603 (e) 713.683

65. 76% of 112 – 42% of 116 = ?

- (a) 38.12 (b) 36.40 (c) 38.22
 (e) None of these

Directions (66 – 70) : In each of these questions two equations numbered I & II are given. You have to solve both the equations and give answer.

- (a) If $x < y$ (b) If $x > y$
 (c) If relationship between 'x' and 'y' cannot be established

(d) If $x \geq y$ (e) If $x \leq y$

66. I. $x^2 - 12x + 27 = 0$ II. $y^2 + 5y - 84 = 0$

67. I. $x^2 - 4x - 60 = 0$ II. $y^2 - 26y + 165 = 0$

68. I. $x^2 = 4624$ II. $y = \sqrt{4624}$

69. I. $32x^2 - 68x + 35 = 0$ II. $8y^2 - 3y - 5 = 0$

70. I. $9x^2 - 27x + 14 = 0$ II. $3y^2 - 17y + 10 = 0$

ENGLISH LANGUAGE

Directions (Q. Nos. 71-80): Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you to locate them while answering some of the questions.

Brexit has **evoked** a **spate** of comments. These comments fall into broadly two categories. The first set of comments focusses on the short-term and medium-term impact of Brexit on the U.K., Europe and the rest of the world including India. The second goes into the reasons behind this decision of the British. Globalisation has been interpreted in many ways. In broad terms, globalisation denotes the free movement of goods, services, capital, funds, ideas, technology and people across countries. Many people think globalisation is a recent phenomenon. This is not true. This has been going on for centuries. What has made it unique in recent times is the speed of the movement. Great Britain and many other countries in Europe have reached the present level of economic development only because of this free movement. In both demographic and geographic terms, Britain is a small country. It is not the size of the domestic market that determined its growth. London could not have emerged as the financial centre of the world but for the free flow of capital.

The **gamut** of financial services offered by London is geared to meet world demand and not that of Britain alone. Even after the exit from the EU, Britain cannot remain as an isolated island. It has to be part of an international trade regime which allows for free trade. What then could have motivated a little more than 50 per cent of the population to come out of the EU? It has something to do with the nature of the relationship within the EU. The EU has evolved over the last seven decades. From a loose arrangement, it has become a tight bureaucratic organisation with its jurisdiction extending to multifarious activities. When the euro was created as a common currency, Britain opted out of it. The European Central Bank sets a common monetary policy stance for all member countries. This itself has been a source of irritation to many member countries. This came out prominently at the time of the Greek crisis. With the loss of one instrument of control — namely, the exchange rate variation — the entire burden of adjustment had to be through employment and output changes. As one commentator

put it, the EU has moved up its aspiration from the idea of 'common' market to 'single' market. It is this transition which half of Britain has resented. The complex set of regulations emanating from Brussels has made at least a section of the British people feel that they have lost 'independence'. Some of the elite of Britain who voted to 'leave' feel this way. They think that control has moved to unelected bureaucrats in Brussels. What has induced the 'non-elite' to vote for Brexit was the EU's migration policy. The free movement of people has been the last straw that broke the camel's back. The low-paid jobs in the U.K. have been taken over by migrants predominantly from Eastern Europe. In an economy which has been growing slowly (even though the U.K. is a better performer than other European countries in recent years), this has come as a shock. The spirit of 'nationalism' still runs high. The poor in Britain feel that they have been cheated by the migrants. Absorbing migrants is not new for Britain. The Asian and African migrants constitute a significant proportion of the population. All this happened when the economy was strong and growing. But this is not the situation now, and the **resentment** is in one sense natural. However, looked at globally, the poor in the countries from which people migrate have benefited. The British have also gained to the extent that the free movement of people has enabled highly skilled professionals to find positions all over Europe. The 'leave' vote thus was motivated by two considerations: one, the degree of integration that the EU was trying to impose, and two, the migration policy which allowed a free movement of people across countries. Globalisation is not really the devil. If the EU arrangement had been restricted only to free movement of goods, services, capital and funds, it could not have led to any deep resentment. It is the attempt at greater economic integration that has been interpreted as a loss of sovereignty and resented. Globalisation, with its emphasis on efficiency (since goods and services will get produced at the least cost centres), can lead to greater inequality theoretically.

Within a country also, the more efficient including professionals gain disproportionately. This situation gets worse if economies are growing slowly. The U.S. has always prided itself on saying that the system they have is 'people's capitalism'. Inequalities do not matter much when economies

are growing strongly and when new entrants to the labour force find employment easily. Countervailing measures are needed to take care of the adverse impact of globalisation. For this reason, we cannot throw the baby out with the bathwater. The developed countries face a serious dilemma. They have reached a stage in their development when further growth will be slow. This will have implications for absorbing the labour that gets added to the market. Complicating the situation is technological development which is increasingly labour-saving. New technologies have a twofold impact. First, they reduce the demand for labour in general. Second, in particular they make unskilled and semi-skilled work redundant. They demand new skills for which retraining may be needed. Distribution of income has thus become an issue which needs to be dealt with directly. Brexit is not a blow against globalisation per se. Labour does not stand in the same category as capital, even though both are factors of production. Migration hurts when the economy is at a low ebb. Britain, along with other developed countries, faces a basic problem of coping with a growth potential which is far lower than the growth rate they had seen before 2008.

(Source- The Hindu, 28 June 2016)

71. To what aspect this article is devoted by the author?

 - (a) Impact of Brexit on U.K and Europe.
 - (b) Impact of globalization.
 - (c) Motivation behind the vote against the greater economic integration.
 - (d) The implications of Brexit on the migration in Britain.
 - (e) Countervailing measures that are needed to take care of the adverse impact of globalisation.

72. What has been the reason for the infuriation of the member countries of European Union?

 - (a) Technological development which is increasingly labour-saving.
 - (b) The increase in the EU's propensity towards single market.
 - (c) Britain's refusal to accept euro as its currency even after common monetary policy stance for all the members.
 - (d) The migration policy which allowed a free movement of people across countries.
 - (e) The increase of inequality in economically strong countries which has generated a new nationalism.

73. Which of the following is one of the reasons for major section of British people to vote against European Union?

 - (a) Low wages due to the abundance of labour force migrating from Asian countries to the Britain.
 - (b) Slow economic growth and incompetence of the new technologies because of which they are becoming more financially weak.
 - (c) The jurisdiction enjoyed by the unelected officials in Brussels.
 - (d) The spirit of nationalism among the some sections of

British people.

75. What is the peril of migration?

 - (a) Complications in the technological development.
 - (b) Increase in the inequality in the economies growing at a faster rate like Britain.
 - (c) Redundant semi-skilled and skilled work in general.
 - (d) Disbursement of salary is becoming a major issue because of increased number of labour.
 - (e) None of these.

Directions (76-77): 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.

76. EVOKED

- (a) Aplomb (b) Subdue (c) Extinguish
(d) Elicit (e) Obsolete

77. SPATE

- (a) Meristematic (b) Deluge (c) Paradox
(d) Sparse (e) Paucity

Directions (78-80): Choose the word/group of words which is **MOST OPPOSITE** in meaning to the word/ group of words printed in bold as used in the passage.

78. GAMUT

- (a) Paradigm (b) Virtuoso (c) Inevitable
(d) Purview (e) Idiosyncratic

79. EMANATING

80. RESENTMENT

- (a) Complacency (b) Acrimony (c) Rancour
(d) Animosity (e) Antipathy

Directions (81-85):Rearrange the following eight sentences (A), (B), (C), (D) ,(E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- (A) The Indian politician does not like being caught off-guard

due to the strenuous image building that takes place.

- (B) India has seen Prime Ministers who communicate their thoughts through rallies and in Parliament; the time has also come for the top leader to listen to the people and give them what they need.
 - (C) While the reluctance to answer questions is understandable due to getting the facts right, it ends up creating the impression that the government runs in silos.
 - (D) In the House of Commons, the Prime Minister is expected to answer all questions put to him convincingly.
 - (E) The problem in India is that politics has become too personality-centric.
 - (F) In India though, it is rare to see Prime Ministers attending any session, leave alone answering questions.

(Source- The Hindu, July 19, 2016)

Directions (86-90): Each question below has one or more blanks, each blank indicating that something has been omitted. Choose the words for each blank that best fits the meaning of the sentence as a whole.

86. Turkey widened its massive post-coup to the state education sector after to root out supporters of an exiled cleric it accuses of orchestrating the attempted power grab.

(a) Deposition, committing (b) Revamping, vowing
(c) purge, vowing (d) Eradication, claiming
(e) Reckoning, pledging

87. Monipur the erratic weather conditions and experienced by the inhabitants of the Sunderbans due to tidal movements.

(a) embodies, impediments
(b) Exemplifies, vulnerabilities
(c) Demonstrate, difficulties
(d) Epitomizes, complications

- (e) Symbolize, encumbrance

88. It is to halt its further expansion because this is not just another government.
(a) Imperative, bourgeois (b) Indispensable, arbitrary
(c) Arbitrary, conservative
(d) Necessary, Comprehensive (e) Eminent, liberal

89. The ultimate of who is or is not in the Gulen movement will be left to Mr. Erdogan's own loyalists, who are likely to remove those who have long resisted the President's own bid to power.
(a) part, consolidate (b) Responsibility, augment
(c) Decision, consolidate (d) arbiter, monopolise
(e) Resolution, amass

90. The of reservoir is more than 80 per cent where as the total catchment area treatment (CAT) work carried out by three States is reported to be 45 per cent
(a) Emancipation, affiliated
(b) Renouncement, mentioned
(c) concentration, selected
(d) Expropriation, other
(e) Impoundment, concerned

Directions (91-95): Which of the phrases (a), (b), (c), (d) and (e) given below each statement should replace the phrase printed in **bold** in the sentence to make it grammatically correct? If the sentence is correct as it is given and 'No correction is required,' mark (e) as the answer.

91. It is a pity that a country that dreams of entering the digital age is now drawn into a debate in Parliament and splitting hairs over ways and means **to sensitise its population to the evils of spitting.**
(a) to sensitise their population to the evils of spitting.
(b) to sensitising its population to the evils of spitting.
(c) to sensitise its population to the evils of spitting.
(d) to sensitise its population of the evils of spitting.
(e) No correction required.

92. For long, the Board of Control for Cricket in India has been working in an opaque manner, **almost becoming a den for a few elite**, well-connected individuals.
(a) almost becoming a den to a few elite
(b) almost becomes a den for a few elite
(c) almost became a den for a few elite
(d) almost became a den to a few elite
(e) No correction required.

93. There is a marked mismatch between the understanding of the Constitution of the Governor as the dignified head of the State executive and the regular turnover of Governors **depending on the party in power in the Centre.**
(a) depending on the party in power at the Centre.

- (b) depends on the party in power at the Centre.
 (c) depends on the party at power at the Centre.
 (d) depends on the party at power of the Centre
 (e) No correction required.
94. Consecutive sentences are still permissible if one is a fixed term and the other is one of life, **provided the term sentence is completed before** and the life sentence begins later.
 (a) provided the term sentence was completed first
 (b) provided the term sentence has completed first
 (c) provided the term sentence has completed before
 (d) provided the term sentence is completed first
 (e) No correction required.
95. Even as the reverberations of the violence inflicted on a group of Dalit men by "cow protection" vigilantes **near the small Gujarat town of Una were** felt in Parliament, the protests continue to spread across the State.
 (a) near the small Gujarat town in Una are
 (b) near the small Gujarat town of Una are
 (c) near the small Gujarat town at Una are
 (d) near the small Gujarat town of Una was
 (e) No correction required.
- Directions (96-100):** In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.
- And of what kind are the men that will strive for this profitable96....., through all the bustle of97....., the heat of contention, the infinite mutual abuse of parties, tearing to pieces the best of characters? It will not be the wise and moderate, the lovers of peace and good order, the men fittest for the trust. It will be the bold and the violent, the men of strong passions and98..... activity in their selfish pursuits. These will thrust themselves into your government and be your rulers. And these, too, will be mistaken in the expected happiness of their situation, for their99..... competitors, of the same spirit, and from the same motives, will perpetually be100..... to distress their administration, thwart their measures, and render them odious to the people.
96. (a) importance (b) preeminence (c) impotence
 (d) dominance (e) insignificance
97. (a) bunch (b) sinister (c) cabal
 (d) extol (e) virulent
98. (a) indefatigable (b) bolster (c) lethargic
 (d) embolden (e) divulgate
99. (a) disprove (b) controvert (c) diffident
 (d) vanquished (e) surrender
100. (a) procrastinating (b) expatiating (c) attempting

- (d) contemplating (e) endeavoring

Solutions:**Directions (1-5):**

- | | |
|------------------------|----------------|
| 1. (c); I. F=K (FALSE) | II. F>K(FALSE) |
| 2. (a); I. T<J (TRUE) | II. J>Z(FALSE) |
| 3. (e); I. G≥Z (TRUE) | II. C≥R(TRUE) |
| 4. (d); I. E>C (FALSE) | II. F>B(FALSE) |
| 5. (e); I. O<M TRUE | II. O<K(TRUE) |

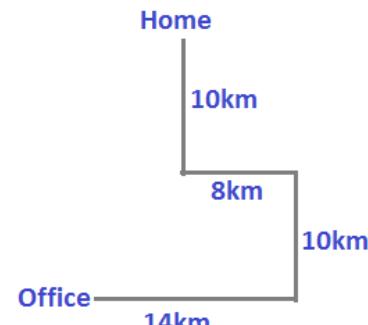
Directions (6-10):

Floor	Person	Colour	Car
9	B	Golden	Audi
8	H	Silver	Audi
7	G	White	Audi
6	A	Yellow	Ferrari
5	F	Black	Ferrari
4	E	Purple	Audi
3	I	Grey	Ferrari
2	D	Orange	Audi
1	C	Red	Ferrari

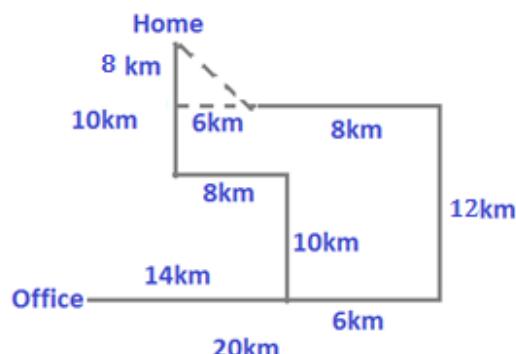
6. (b)
 7. (d)
 8. (d)
 9. (d)
 10. (e)

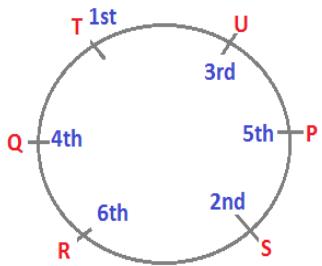
Directions (11-12):

11. (d)



12. (b)



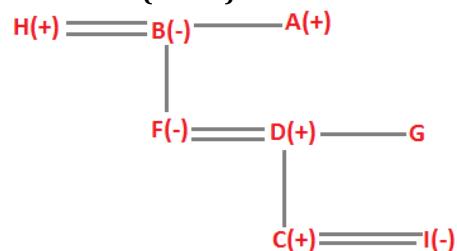
Directions (13-17):

13. (b)
14. (b)
15. (b)
16. (c)
17. (d)

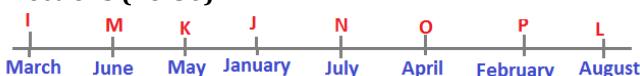
Directions (18-22):

Politician	Watch	Country
Mulayam Singh	Royal London	France
Rajnath Singh	Sonata	China
Pranav Mukharji	Titan	China
Sushma Swaraj	Fast-Track	America
Amit Shah	F-Shock	France
Arun Jethely	Rolex	America
Narendra Modi	Rado	America
Manmohan Singh	Kelvin Kline	France

18. (e)
19. (c)
20. (c)
21. (e)
22. (b)

Directions (23-25):

23. (e)
24. (d)
25. (d)

Directions (26-30):

26. (d)
27. (a)
28. (b)
29. (c)
30. (d)

Directions (31-35):

BOX	COLOUR
U	Violet
Q	Red
S	Pink
T	Blue
R	Black
V	Brown
P	White

31. (e)
32. (a)
33. (c)
34. (e)
35. (b)
36. $(c)x0.5, x1.5, x2.5, x3.5, x4.5$
 $328.125 \times 4.5 = 1476.5625$
37. $(d) x2 + 2.5, x4 + 4.5, x6 + 6.5, x8 + 8.5, x10 + 10.5$
 $2676.5 \times 10 + 10.5$
 $= 26765 + 10.5$
 $= 26775.5$
38. $(a)+8^3, +12^3, +16^3, 20^3, + \dots$
 $14412 + 24^3 = 28236$
39. (b)

$$\begin{array}{ccccccc} 5679 & 5560 & 5322 & 4965 & 4489 & ? \\ -119 & -238 & -357 & -476 & & \\ \hline & & & & & \end{array}$$

$$= 119 \times 2 = 119 \times 3 = 119 \times 4$$

$$4489 - 119 \times 5$$

$$= 4489 - 595$$

$$= 3894$$

40. (d) $9^2, 8^3, 7^4, 6^5, 5^6$
41. (b); Amount received from 5% interest rate = Amount received from 10% interest rate
 $P \left(1 + \frac{5}{100}\right)^2 = (5550 - P) \left(1 + \frac{10}{100}\right)^2$
 $P(105)^2 = (5550 - P)(110)^2$
 $P(21)^2 = (5550 - P)(22)^2$
 $(441 + 484) = 5550 \times 484$
 $P \times 925 = 5550 \times 484$
 $P = 2904$

42. (a); Let the speed of faster car is f and slower car is s
 $\frac{100}{f-s} = 5$
 $f - s = 20 \dots \text{(i)}$
 $\frac{100}{f+s} = 1$
 $f + s = 100 \dots \text{(ii)}$
 From equa. (i) and (ii)
 $f = 60 \text{ km/hr}, s = 40 \text{ km/hr}$

43. (a); $\begin{array}{ccc} A & B & C \\ 10 \times 7 : 12 \times 5 : 15 \times 3 \\ 14 : 12 : 9 \end{array}$

- Required Difference = $144 + 0 + 396 - 1500 + 1320 + 1008 = 1368$
58. (d); Required ratio = $\frac{12000 \times \frac{22}{100} \times 0.75}{12000 \times \frac{14}{100} \times 0.80}$
 $= \frac{22 \times 75}{14 \times 80} = \frac{165}{112}$
59. (b); total number of males in Chandigarh and Jaipur
 $= 12000 \times 0.12 \times 0.55 + 12000 \times 0.25 \times 0.25$
 $= 792 + 750$
 $= 1542$
 Total number of females in Chandigarh and Jaipur
 $= 12000 \times 0.12 \times 0.45 + 12000 \times 0.25 \times 0.75$
 $= 648 + 2250 = 2898$
 Required ratio = $1542 : 2898$
 $= 257 : 483$
60. (a); Required percentage = $\frac{25}{11} \times 100$
 $= 227\%$
61. (c); $(30\sqrt{6} \times 3\sqrt{6}) - 121 + 16$
 $540 - 121 + 16 = 435$
62. (d); $174 \times 25 - 9409 + 98 + 4410 = ? - 2401$
 $? = 1850$
63. (e); $\frac{869}{23} + \frac{4021}{23} - \frac{2016}{23} = \frac{2874}{23} = 124\frac{22}{23}$
64. (b); 622.793
65. (b); $85.12 - 48.72 = 36.4$
66. (c); $x = 9, 3$
 $y = -12, 7$
 \therefore No relation can't be established
67. (a); $x = +10, -6$
 $y = 15, 11$
 $\therefore x < y$
68. (e); $x = \pm 68$
 $y = 68$
 $\therefore x \leq y$
69. (c); $x = 1.25, \frac{7}{8}$
 $y = 1, \frac{-5}{8}$
 \therefore No relation can't be established
70. (c); $x = \frac{2}{3}, \frac{7}{3}$
 $y = 5, \frac{2}{3}$
71. (c); Throughout the passage the author has tried to explain the actual reason behind the vote against EU.
72. (b); Refer to the 2nd paragraph of the passage, "European Central Bank sets a common monetary policy stance for all member countries" and in the answer single market is mentioned which is the same thing and hence is the common source of irritation for member countries.
73. (c); Refer to the 2nd paragraph of the passage, They think that control has moved to unelected bureaucrats in Brussels." which is why some section atleast voted against EU.
74. (a); Option (ii) is incorrect as author thinks it is the arrangement that is the real devil and not the globalization.

75. (e); None of the options mentioned above are correct.
76. (d); Evoked means bring or recall (a feeling, memory, or image) to the conscious mind hence elicit is the word most similar in meaning.
77. (b); Spate means a large number of similar things coming in quick succession hence deluge is the word most similar in meaning.
78. (e); Gamut means range hence idiosyncratic is the word most opposite in meaning.
79. (e); Emanating means spread from a source hence Plummet is the word most opposite in meaning.
80. (a); Resentment means bitter indignation at having been treated unfairly hence complacency is the word most opposite in meaning.
- For question (81-85);** The proper sequence to form meaningful paragraph is **DFAECB**.
81. (d); E
82. (c); F
83. (c); D
84. (b); B
85. (d); C
86. (c); 'purge, vowed' is the correct use.
Purge -to cleanse
Vowing -a solemn promise
87. (b); 'Exemplifies, vulnerabilities' is the correct use.
Exemplify-be a typical example of.
Vulnerabilities-shortcomings.
88. (a); 'Imperative, bourgeois' is the correct use.
Imperative means crucial.
Bourgeois means belonging to or characteristic of the middle class, typically with reference to its perceived materialistic values or conventional attitudes.
89. (d); 'arbiter, monopolise' is the correct use.
Arbiter means a person who settles a dispute or has ultimate authority in a matter.
Monopolise means (of an organization or group) obtain exclusive possession or control of (a trade, commodity, or service).
90. (e); 'Impoundment, concerned' is the correct use.
Impound means seize and take legal custody of (something, especially a vehicle, goods, or documents) because of an infringement of a law.
Concerned means relate to in context of this sentence.
91. (c); Replace 'to sensitise its population to the evils of spitting' with 'to sensitise its population to the evils of smoking'.
92. (e); No correction required.
93. (a); Replace 'depending on the party in power at the Centre' with 'depending on the party in power at the Centre'.
94. (d); Replace 'provided the term sentence is completed before' with 'provided the term sentence is completed first'.
95. (c); Replace 'near the small Gujarat town of Una were' with 'near the small Gujarat town of Una are'.
96. (b) 97. (c) 98. (a) 99. (c) 100. (e)

SBI PO- PRELIMS 2016: MEMORY BASED MOCK

REASONING ABILITY

Directions (1-5): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions. Mark answer

- a) If only conclusion I follows.
- b) If only conclusion II follows.
- c) If either conclusion I or II follows.
- d) If neither conclusion I nor II follows.
- e) If both conclusions I and II follow.

1. Statements: $A > B \leq C = D \leq E, C \geq F = G > H$

Conclusions: I. $G \leq E$ II. $A > H$

2. Statements: $H \geq T > S \leq Q, T \geq U = V > B$

Conclusions: I. $V > S$ II. $B \leq H$

3. Statements: $F < K \leq L, H \geq R > K$

Conclusions: I. $H > L$ II. $R > F$

4. Statements: $N \geq P > K = L, P \leq Q < Z, T > K$

Conclusions: I. $N > Q$ II. $Z < T$

5. Statements: $P < H = O \geq N, E \geq H < S$

Conclusions: I. $N \leq E$ II. $S > P$

Directions (6-10): Study the given information carefully to answer the given question.

J, K, L, M, N, O and G are seven different boxes of different colours i.e. Brown, Orange, Silver, Pink, Yellow, White and Green but not necessarily in the same order.

Box which is of Brown colour is immediately above J. There are only two box between M and the box which is of Brown colour and Box M is above the Brown colour box. Box which is of Silver colour is above M but not immediately above M. Only three box are between L and the box which is of Silver colour. The box which is of Green colour is immediately above L. The box which is of Pink colour is immediately above the box G. Only one box is there between K and N. Box K is above N. Neither box K nor J is of Yellow colour. J is not of orange colour.

- 6. How many box is/are there between M and G?
 - (a) One
 - (b) Two
 - (c) Three
 - (d) Four
 - (e) None
- 7. What is the colour of 'O'?
 - (a) Green
 - (b) Brown
 - (c) Silver
 - (d) Pink
 - (e) Can't be determined.
- 8. Find the pair of colour and boxes which is not correct?
 - (a) K-Pink
 - (b) O-Silver
 - (c) J-white
 - (d) G-Brown
 - (e) None of these
- 9. Which of the following condition is correct regarding yellow colour with respect to N?
 - (a) There are one person between N and Yellow colour
 - (b) N is immediately above of yellow colour
 - (c) Yellow colour related to the person immediately above N
 - (d) All of the above is true

(e) None of the above is true.

10. Which of the following colour is belong to 'J'?

- (a) Brown
- (b) Pink
- (c) Yellow
- (d) Orange
- (e) None of these.

Direction (11-13): Study the following information and answer the given question.

• T is the sister of D. D is married to P. P is the son of M.

• T is the mother of J. Y is the father of U.

• Y has only one son and only one daughter.

• U is the daughter of T. Q is the son of D.

11. How is P related to T ?

- (a) Brother
- (b) cannot be determined
- (c) Brother-in-law
- (d) Cousin brother
- (e) Uncle

12. How is J related to D ?

- (a) Son
- (b) Niece
- (c) Son-in-law
- (d) Nephew
- (e) Daughter

13. If M is wife of W then how is Q related to W ?

- (a) Son-in-law
- (b) Grandson
- (c) Nephew
- (d) Son
- (e) cannot be determined

Directions (14-15) : Read the given information carefully and answer the given question

P is 9 m to the south of K. K is 5 m to the east of H. H is 4 m to the north of B. L is 3 m west of B. D is 7 m south of L. G is 8 m east of D.

14. If Point Z is 5 m to the west of point P, then what is the distance between B and Z?

- (a) 8 m
- (b) 9 m
- (c) 5 m
- (d) 2 m
- (e) 6 m

15. How far and in which direction is point K from Point G?

- (a) 11 m to the south
- (b) 7 m to the north
- (c) 11 m to the north
- (d) 7 m to the south
- (e) 11 m to the west

Directions (16-20) : Study the lowing information to answer the given questions

S, T, U, V, W, X, Y and Z are sitting in a straight line equidistant from each other (but not necessarily in the same order). Some of them are facing south while some are facing north.

(Note : Facing the same direction means, if one is facing north then the other also faces north and vice-versa. Facing the opposite directions means, if one is facing north then the other faces south and vice-versa)

S faces north. Only two people sit to the right of S. T sits third to the left of S. Only one person sits between T and X. X sits to the immediate right of W. Only one person sits between W and Z. Both the immediate neighbors of T face the same direction. U sits third to the left of X. T faces the opposite direction as S. Y does not sit at any of the extremes ends of the line. V faces the same direction

- as W. Both Y and U face the opposite direction of Z.
- 16.** How many persons in the given arrangement are facing North?
- (a) More than four (b) Four (c) One
 (d) Three (e) Two
- 17.** Four of the following five are alike in a certain way, and so form a group. Which of the following does not belong to the group?
- (a) W, X (b) Z, Y (c) T, S
 (d) T, Y (e) V, U
- 18.** What is the position of X with respect to Z?
- (a) Second to the left (b) Third to the right
 (c) Third to the left (d) Fifth to the right
 (e) Second to the right
- 19.** Who amongst the following sits exactly between Z and W?
- (a) T (b) Y (c) X
 (d) W (e) U
- 20.** Who is sitting 2nd to the right of T?
- (a) Z (b) V (c) X
 (d) W (e) None of these.

Directions (21-27): Study the following information carefully to answer the given questions.

W, X, Y, Z, M, N and O are belongs to three different department R&D , Marketing and HR with at least 2 of them in any of these department. Each of them has a favourite Colour such viz. Green, Blue, Red, Pink, Black, Violet and Purple. X works in department Marketing with M. M's favourite Colour is Purple. Those who work in department R&D do not like Green and Pink. The one who likes Blue works only with O in department HR. The one whose favourite Colour is Black does not works in the same department with either M or O. W does not works in department Marketing. W likes Violet. Z and N are work in the same department. N does not like Red. The one whose favourite Colour is Pink does not works in department Marketing.

- 21. In which department W, Z and N work?**
- (a) Cannot be determined (b) R&D
 (c) Marketing (d) HR (e) None of these
- 22. Whose favourite Colour is Green ?**
- (a) X (b) W (c) Y
 (d) Z (e) None of these
- 23. What is M's favourite Colour?**
- (a) Violet (b) Pink (c) Purple
 (d) Black (e) None of these
- 24. Which of the following combination is right ?**
- (a) W – HR : Blue (b) O – R&D : Black
 (c) N – HR : Pink (d) Z – R&D : Red (e) None of these
- 25. Y works in which department ?**
- (a) R&D (b) Marketing (c) HR
 (d) Cannot be determined (e) None of these
- 26. Whose favourite Colour is Pink ?**
- (a) X (b) W (c) O
 (d) Z (e) None of these
- 27. In which department M works?**

- (a) Cannot be determined (b) R&D
 (c) Marketing (d) HR (e) None of these

Directions (28-32): Study the following information carefully and answer the questions given below:

Seven persons, P, Q, R, S, T, U and V are going to attend marriage ceremony but not necessarily in the same order, in seven different months (of the same year) namely January, February, March, June, August, October and December, Each of them also likes a different fruit namely Banana, Grapes, Papaya, Orange, Mango, Litchi and Apple but not necessarily in the same order. R is going to attend marriage in a month which has less than 31 days. Only two persons are going to attend marriage ceremony between the month in which R and S attends marriage ceremony. The one who likes Banana is going to attend marriage ceremony immediately before T. Only one person attends ceremony before the one who likes Papaya. Q attends ceremony immediately after the one who likes Papaya. Only three persons attends marriage ceremony between Q and the one who likes Mango. T likes neither Mango nor Papaya. P attends ceremony immediately before T. V likes Apple. The one who likes Grapes attends ceremony in the month, which has less than 31 days. The one who attends ceremony in March does not like Orange.

- 28. Which of the following represents the month in which S attends marriage ceremony ?**
- (a) January (b) Cannot be determined
 (c) October (d) December (e) June
- 29. Which of the following represents the people who attends ceremony in January and June respectively ?**
- (a) V, S (b) U, S (c) Q, T
 (d) U, R (e) V, R
- 30. How many persons attends ceremony between the months in which V and R attend ceremony ?**
- (a) None (b) Three (c) Two
 (d) One (e) More than three
- 31. As per the given arrangement, R is related to Banana and P is related to Orange following a certain pattern, which of the following is U related to following the same pattern ?**
- (a) Mango (b) Litchi (c) Apple
 (d) Papaya (e) Grapes
- 32. Which of the following fruits, does U like ?**
- (a) Papaya (b) Mango (c) Banana
 (d) Grapes (e) Orange
- Directions (33-35):** Study the given information carefully and answer the given questions.
- Among six books i.e. – A, B, C, D, E and F kept in library shelf of different size. Book A is kept at that shelf which is only less in size than shelf in which book D is kept. Only three shelves are less in size than shelf in which book C is kept. Shelf in which F is kept is less in size than shelf in which E is kept. Book F is not kept at the lowest shelf.
- 33. Who amongst the following book is kept at lowest shelf?**
- (a) B (b) A (c) E
 (d) C (e) None of these

- 34.** If size of shelf in which book E is kept is 16 cm^2 , then which of the following may be the size of shelf in which book B is kept?
- a) 19 cm^2 b) 22 cm^2 c) 18 cm^2
d) 17 cm^2 e) 12 cm^2

- 35.** How many shelf are less in size than shelf in which book E is kept?
- a) One b) Two c) Three
d) Four e) More than four

QUANTITATIVE APTITUDE

Directions (36-40): There are five companies and we have given the no. of employees working in different companies. In the table we have also given the percentage of male and female employees of HR and Marketing department.

Company	No. of Employees	HR		Marketing	
		Male	Female	Male	Female
P	450	12	14	6	6
Q	850	18	10	12	14
R	400	28	14	4	7
S	525	20	8	8	4
T	375	12	20	4	8

- 36.** The ratio of female employee in HR dept. of company S and T together to male employees of Marketing department in company P and Q together?
- (a) 41:55 (b) 43:39 (c) 55:41
(d) 39:43 (e) none of these
- 37.** Difference between male employees of marketing dept. in all companies together (excluding company T) and the female employees of HR dept. in all companies together (excluding company Q and T)?
- (a) 21 (b) 26 (c) 31
(d) 36 (e) none of these
- 38.** Total number of marketing employees of company Q and S is what % more than the total no. of marketing employee in company R?
- (a) 536.76% (b) 526.67% (c) 576.76%
(d) 546.67% (e) 545.45%
- 39.** If 40% of the employees of company T in HR department have graduation degree and 60% of the employees of the same company in the Marketing dept. have graduation degree, then how many employees have graduation degree in company T in both dept. together.
- (a) 75 (b) 108 (c) 106
(d) 92 (e) 66
- 40.** The ratio of female employee of company P and Q in HR dept. to male employee of company S and R in Marketing dept. ?
- (a) 41:13 (b) 74:29 (c) 22:59
(d) 29:74 (e) none of these
- 41.** Eight litres are drawn from a cask full of wine and the cask is filled with water. This operation is performed three more times. The ratio of the quantity of wine now left in case to that of water is 16 : 65. How much wine did the cask hold originally?
- (a) 18 litres (b) 24 litres (c) 32 litres
(d) 42 litres (e) None of these
- 42.** A and B can complete a piece of work in 80 days and 120

days respectively. They started working together but A left after 20 days. After another 12 days C joined B and they completed the work in 28 more days. In how many days can C alone complete the work?

- (a) 110 days (b) 112 days (c) 114 days
(d) 120 days (e) None of these

- 43.** A man sets out on cycle from Delhi to Faridabad, and at the same time another man starts from Faridabad on cycle for Delhi. After passing each other they complete their journeys in $2\frac{6}{7}$ and $5\frac{3}{5}$ hours respectively. At what rate does the second man cycles if the first man cycles at 14 kmph?
- (a) 10 kmph (b) 5 kmph (c) 7 kmph
(d) 8 kmph (e) None of these

- 44.** What would be the compound interest accrued on an amount of Rs. 8400 at the rate 12.5% per annum at the end 3 yr? (Rounded off to two digits after decimal)
- (a) Rs. 4205.62 (b) Rs. 2584.16 (c) 3560.16
(d) 3820.14 (e) None of these

- 45.** The average age of all the 100 employees in an office is 29 years, where $\frac{2}{5}$ employees are ladies and the ratio of average age of men to women is 5 : 7. The average age of female employees is:
- (a) 18 years (b) 35 years (c) 25 years
(d) 30 years (e) none of these

Directions (46-50): Two equations (I) and (II) are given in each question. On the basis of these equations, you have to decide the relation between x and y and give answer

- (a) if $x > y$ (b) if $x < y$ (c) if $x \geq y$ (d) if $x \leq y$
(e) if $x = y$, or no relation can be established between x and y.

46. I. $5x^2 - 87x + 378 = 0$ II. $3y^2 - 49y + 200 = 0$

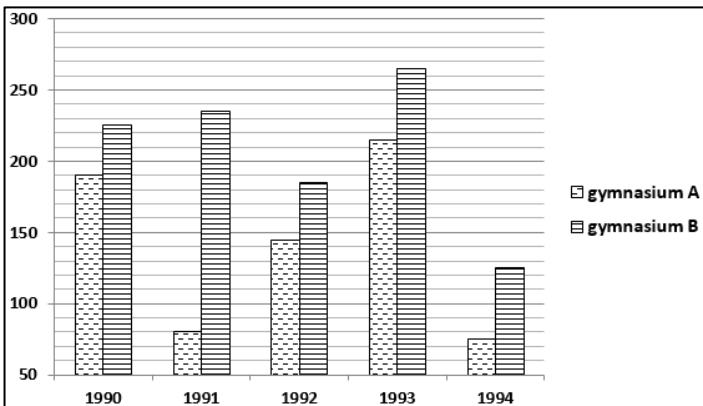
47. I. $10x^2 - x - 24 = 0$ II. $y^2 - 2y = 0$

48. I. $x^2 - 5x + 6 = 0$ II. $2y^2 - 15y + 27 = 0$

49. I. $3x + 2y = 301$ II. $7x - 5y = 74$

50. I. $14x^2 - 37x + 24 = 0$ II. $28y^2 - 53y + 24 = 0$

Directions (51-55): In the Bar-chart, total members enrolled in different years from 1990 to 1994 in two gymnasium A and B. Based on this Bar chart solve the following questions-



Directions (66-70): What approximate value should come in place of question mark (?) in the following questions?

Directions (71-80): Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you to locate them while answering some of the questions.

Despite rapid economic growth, the explosion of microcredit programs and self-help groups, and laudable efforts to increase women's political participation, gender disparities have remained deep and **persistent** in India. The UN Gender Inequality Index has ranked India below several sub-Saharan African countries. Gender disparities are even more pronounced in economic participation and women's business conditions in India. Using data from the 2011 Global Gender Gap report shows that while India scores around the average of the gender gap index overall, its score for women's economic participation and opportunity is worse than 95% of all countries in the sample. Despite India being the second fastest growing economy in the world, gender disparities have remained deep and persistent in India.

The good news is that the overall India average female business-ownership share (in manufacturing) has increased over time from 26% in 2000 to 37% in 2005. However, there is wide variation across states and industries in the **prevalence** of women as entrepreneurs. Among the major states of India, those with the highest share of new proprietary businesses in the unorganized manufacturing sector owned by women in 1994 are Karnataka, Tamil Nadu, Andhra Pradesh, and Kerala. Those with the lowest share of female entrepreneurs are Uttar Pradesh, Haryana, Maharashtra, Madhya Pradesh, and Rajasthan. Similar patterns hold across states when comparing overall business ownership rates by gender. All but one state (Sikkim) saw an increase in the share of new businesses owned by women over the period of 1994 to 2005.

Not surprisingly, the same industries in which female entrepreneurship is concentrated relative to male entrepreneurship also comprise the industries in which most women-owned businesses are found. In 1994, more than 90 percent of new female-owned businesses were found in six of 22 2-digit industries. These industries include Textiles, Tobacco, Wood Products, Food Products, Furniture and Chemical Products. By 2005, 90 percent of female entrepreneurs were still concentrated in six largely overlapping 2-digit industries. At the opposite end, female shares of 2% or less are evident in industries related to computers, motor vehicles, fabricated metal products, and machinery and equipment. In services, female ownership rates in major cities tend to be higher than overall state averages and exceed 30% in sanitation and education industries.

Among district-level traits, a higher female-to-male sex ratio, an age profile emphasizing working age population, better quality infrastructure, and more stringent labor regulations appear important. The relative entry rate declines with high population density. Education and female literacy rates are not associated with gender differences in manufacturing. The relationship between infrastructure and the female entry share

is the most policy relevant. Inadequate infrastructure affects women more than men, perhaps because women often bear a larger share of the time and responsibility for household activities. It is notable that infrastructure access within a district matters. Women face greater constraints in geographic mobility imposed by safety concerns and/or social norms. Better transport infrastructure may **alleviate** a major constraint for female entrepreneurs accessing markets. Ironically industries related to transportation have the lowest share of women entrepreneurs. Somewhat surprisingly, a higher female entry ratio is not associated with a greater female sex ratio in the district. Stronger female-owned incumbent businesses again predict a greater female entrepreneurship in service industries. Our results support the conclusion that female entrepreneurship in India follows from incumbent female-owned businesses in a district-industry that encourage subsequent entry. Marshallian channels are important, but they mostly appear to be operating through the district-industry agglomeration for female business owners itself. While our approach does not rule out every potential bias, it does **circumvent** the most worrisome endogeneity or omitted factors.

A central driver of economic growth over the past century is the increased role of women. This growth via the role of women comes in many forms: better education and health, increased female labor force participation generally, reduced discrimination and wage differentials that encourage greater effort, and improved advancement practices that promote talented women into leadership and managerial roles. Simply put, empowering half of the potential workforce has significant economic benefits beyond promoting gender equality. The infrastructure correlation is the most policy relevant. Inadequate infrastructure affects women in particular ways due to responsibilities regarding household and domestic activities. It is notable that while our within-district infrastructure access is important in predicting female entrepreneurship, access to major cities is not found to influence the gender balance of entrepreneurs.

We find evidence of agglomeration economies in both manufacturing and services, where higher female ownership among incumbent businesses within a district-industry predicts a greater share of subsequent entrepreneurs will be female. Moreover, higher female ownership of local businesses in related industries (e.g., similar labor needs, input-output markets) predict greater relative female entry rates even after controlling for the focal district-industry's conditions. Our analysis suggests that gender-based business networks may play a role in encouraging women's entrepreneurship. Our analysis is only suggestive in this respect, and points to the need for future research which develops a better understanding regarding the dynamics of gender-based networks, entrepreneurship and productivity. Linkages and spillovers across firms can depend on common traits of business owners, and interactions between the informal (unorganized) and

formal (organized) sectors may not be as strong as interactions within each sector. Further research needs to identify how these forces affect small-scale female entrepreneurs and the welfare of women generally. This will be especially helpful for evaluating the performance of industry concentrations in developing economies and guiding appropriate policy actions.

Much recent work emphasizes the role of women in development. India's economic growth and development depends upon successfully utilizing its workforce. Despite recent economic advances, India's gender balance for entrepreneurship remains among the lowest in the world. Improving this balance is an important step for India's development and its achievement of greater economic growth and gender equality.

71. What is the main reason for huge gender disparities in women's economic participation in India?
- Female literacy rate which is very low because of social reasons.
 - Substandard education among the women because of their social status.
 - Dearth in infrastructure facilities.
 - Stringent labour regulation laws.
 - Lack of physical strength in women which is required in industries.
72. Which of the following is/ are the reason(s) for district-industry with high rate of incumbent female employment?
- High population density.
 - Stringent labour regulation laws which suppresses Indian entrepreneurship.
 - Strong open minded male owned incumbent businesses.
- Only (ii).
 - Both (ii) and (iii).
 - Both (i) and (ii).
 - Only (i).
 - All of these.
73. Share of women entrepreneurs is lowest in which of the following industries?
- Wood industries.
 - Fertilizer industries.
 - Tobacco industries.
 - Fabricated metal products.
 - Transportation industries.
74. Which of the following can help significantly in embolden women entrepreneurs?
- Lenient labour laws.
 - Better education facilities in districts and more importantly in villages.
 - Giving emphasis to services which are more skill intensive than manufacturing.
 - Business based on gender.
 - Efforts in improving female sex ratio as people prefer boys more than girls.
75. Which of the following is false in context of the passage?
- Safety concern is one of the reasons for gender disparity.
 - Incumbent female owned businesses encourage more female entrepreneurs.

- Increase in the female connection in input-output markets increases the share of female entrants.
- Female literacy rate is not the reasons for gender disparity in manufacturing.
- None of these.

76. What is the writing style used by the author in this passage?
- Descriptive
 - Analytical
 - Critical
 - Argumentative
 - Narrative

Directions (77-78): Which of the following is most **opposite** in **meaning** as word printed in bold letters as used in context of the passage.

77. **PERSISTENT**
- Tenacious
 - Pertinacious
 - Intermittent
 - Importunate
 - Unremitting
78. **PREVALENT**
- Sporadic
 - Extensive
 - Pervasive
 - Ubiquitous
 - Omnipresent

Directions (79-80): Which of the following is most similar in **meaning** as word printed in bold letters as used in context of the passage.

79. **CIRCUMVENT**
- Outmanoeuvre
 - Accede
 - Assent
 - Embrace
 - Pursue
80. **ALLEViate**
- Aggravate
 - Intensify
 - Escalate
 - Assuage
 - Augment

Directions (81-85): Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- Securities and banking firms spend 6% to 8% of their total revenues on IT. Insurance companies in contrast spend around 3.5%.
 - Wipro has over a dozen insurance companies as customers he said citing Aviva, Friends Provident, and Allianz as examples.
 - The story with insurance companies, like their counterparts in the other industries is the same — pressure to reduce cost and retain customers.
 - Echoing Mr Ghosh's view, senior executives of software firms also say that disjointed IT systems, created by wave of consolidation that swept the insurance industry.
 - Is proving to be opportunistic for Indian companies, for service offerings like consolidation of applications, maintenance and conversion from legacy to newer platforms.
 - Regulatory pressure combined with need to introduce new products and services are forcing insurance companies to seek external help to drive their business forward, says Soumitro Ghosh, vice president, BFSI, Wipro Technologies.
81. Which of the following would be the **FIRST** sentence after rearrangement?
- A
 - B
 - C
 - D
 - E
82. Which of the following would be the **LAST (SIXTH)**

- sentence after rearrangement?
- (a) A (b) B (c) C (d) D (e) E
83. Which of the following would be the **SECOND** sentence after rearrangement?
- (a) A (b) B (c) C (d) D (e) F
84. Which of the following would be the **THIRD** sentence after rearrangement?
- (a) A (b) B (c) C (d) D (e) F
85. Which of the following would be the **FOURTH** sentence after rearrangement?
- (a) A (b) B (c) C (d) D (e) E

Directions (86-90) : In each of the following sentences there are two blank spaces. Below each sentences there are five pairs of words denoted by numbers (a), (b), (c), (d) and (e). Find out which pair of words can be filled up in the blanks in the sentences in the same sequence to make the sentence meaningfully complete.

86. He was -----of playing -----and loose with the sentiments of his dearest friends.
- (a) Innocent; false (b) Guilty; fast (c) Accused; tight
 (d) Complained; thick (e) Proper; right
87. Raising _____ over the funding to media houses, Zee group chairman sought _____ of media licences before they are issued.
- (a) burden, opinion (b) concern, scrutiny
 (c) matter, opinion (d) charges, regulation
 (e) worry, security
88. Everyone even _____ familiar with serious theater is familiar with the effort that it takes to process Shakespearean language _____ live.
- (a) remotely; performed (b) comically; restrained
 (c) hardly; directing (d) so; bring
 (e) similarly; spoked
89. The government has decided not to make any _____ changes in the country's tax _____.
- (a) Sweeping; regime (b) Transparent; hike
 (c) Drastically; net (d) Constitutional; revenue
 (e) Existing; structure
90. If criminals are.....to join electoral fray,.....is likely to increase.
- (a) Compelled, brotherhood (b) encouraged, harmony
 (c) Allowed, extortion (d) deterred, corruption
 (e) Invited, voting

Directions (91 – 95): Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be one part of the sentence. The number of that part is the answer. If there is no error, the answer is (e). (ignore the errors of punctuation, if any.)

91. Hectic schedules can (a)/ take a toll on anybody and (b)/ the solutions to this is (c)/ a quick holiday to some exotic location. (d)/ No error (e).
92. (a) If Rajeshwari would have come/(b) to me I would have/(c) given her the/(d) help she needed./ (e) No error.
93. The court has asked the authorities (a)/to take appropriate

steps to restore natural water resources (b)/ so that the water shortage problem (c)/ in the state can be solved. (d)/ No error (e)

94. District police arrested (a)/a gang of notorious robbers, (b)/who were planning to strike at (c)/a house in the vicinity. (d)/No error(e)
95. Households across the state are either opting for (a)/a more modest lifestyle or compromising on (b)/the nutritional value of their food in efforts to negate (c)/the price rise of essential commodities, cereals, vegetable and fruits. (d)/No error (e)

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 meaningful.

Without science there is no future for any society. Even with science, ... (96)... it is controlled by some spiritual impulses, there is no future. One great thing about science is that it does not accept anything on mere ... (97)... everything has to be proved beyond any doubt. All acceptance comes after experiment which has no room for any (98)... This is the reason why development of science and technology has revolutionised human life all over the world. There are very few spheres of human activity which have not experienced the impact of such development. However, despite its manifold ... (99)... science has not been able to solve any of man's moral or spiritual problems. Society is still groping in the dark to find out what its future will be. The need, therefore, is to make science ... (100)... for the ultimate truth.

- | | | |
|---------------------|------------------|------------------|
| 96. (a) unless | (b) without | (c) if |
| (d) before | (e) because | |
| 97. (a) principles | (b) conjecture | (c) experiment |
| (d) research | (e) experience | |
| 98. (a) accepted | (b) demonstrated | (c) proved |
| (d) performed | (e) understood | |
| 99. (a) limitations | (b) benefits | (c) shortcomings |
| (d) researches | (e) inventions | |
| 100. (a) useful | (b) worthy | (c) ready |
| (d) search | (e) Fit | |

SOLUTIONS:

Direction (1-5)

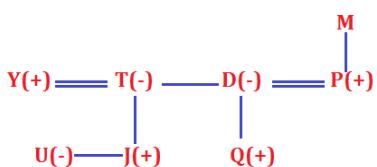
1. (a) I. G = F \leq C = D \leq E (TRUE)
 II. A > B \leq C = D \leq E (FALSE)
2. (d) I. V = U \leq T > S (FALSE)
 II. B < V = U \leq T \leq H (FALSE)
3. (b) I. H \geq R > K \leq L (FALSE)
 II. R > K > F (TRUE)
4. (d) I. N \geq P \leq Q (FALSE)
 II. Z > Q \geq P > K < T (FALSE)
5. (e) I. N \leq O = H \leq E (TRUE)
 II. S > H > P (TRUE)

Direction(6-10):

Boxes	Colours
O	Silver
K	Orange
M	Yellow
N	Green
L	Pink
G	Brown
J	White

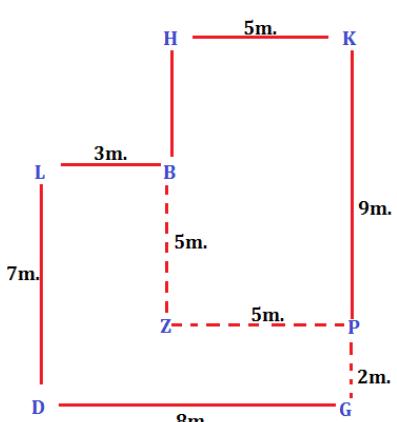
6. (b)
7. (c)
8. (a)
9. (c)
10. (e)

Direction (11-13)



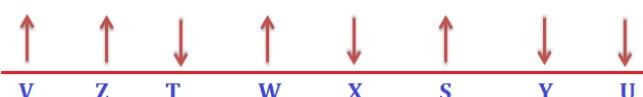
11. (c)
12. (d)
13. (b)

Direction (14-15)



14. (c)
15. (c)

Directions (Q. 16-20)



16. (b)
17. (d)
18. (b)
19. (a)
20. (b)

Directions(21-27)

W	R&D	Violet
X	Marketing	Green
Y	HR	Blue
Z	R&D	Red
M	Marketing	Purple
N	R&D	Black
O	HR	Pink

21. (b)
22. (a)
23. (c)
24. (d)
25. (c)
26. (c)
27. (c)

Direction (28-32):

Months in which persons are attending ceremony	Different Persons	Fruits
January	V	Apple
February	U	Papaya
March	Q	Litchi
June	R	Grapes
August	P	Banana
October	T	Orange
December	S	Mango

28. (d)
29. (e)
30. (c)
31. (b)
32. (a)

Directions(33-35):

Size of shelf in which different books are kept:
D's shelf > A's shelf > C's shelf > E's shelf > F's shelf > B's shelf

33. (a)
34. (e)
35. (b)

36. (d); Required Ratio = $\frac{42+75}{27+102}$

$$= 117 : 129$$

$$= 39 : 43$$

37. (b); Required difference = $(27 + 102 + 16 + 42) - (63 + 56 + 42)$
 $= 187 - 161$
 $= 26$

38. (e); Required % = $\frac{(212+63)-44}{44} \times 100 = 545.45\%$

39. (a); Required employees = $\left(\frac{40}{100} \times 120\right) + \left(\frac{60}{100} \times 45\right)$
 $= 48 + 27$

Persons	Department	Colour
---------	------------	--------

$$= 75$$

40. (b); Required Ratio = $(63 + 85):(16 + 42)$
 $= 148 : 58$
 $= 74 : 29$

41. (b); Let original quantity = x litres

Quantity of wine left after 4 operations = $\left[\left(1 - \frac{8}{x} \right)^4 \right]$
 $\therefore \frac{x(1-\frac{8}{x})^4}{x} = \frac{16}{81}$
 $\frac{x-8}{x} = \frac{2}{3}$
 $x = 24$ litres

42. (b); Let C can complete the work in 'c' days
 $\therefore \frac{20}{80} + \frac{60}{120} + \frac{28}{C} = 1$
 $\frac{28}{C} = 1 - \frac{60+120}{240}$
 $\frac{28}{C} = 1 - \frac{3}{4} \Rightarrow \frac{28}{C} = \frac{1}{4}$
 $\therefore C = 112$ days

43. (a); Ratio of their speeds = $\sqrt{\frac{28}{5}} : \sqrt{\frac{20}{7}}$
 $\therefore \sqrt{\frac{28}{5}} \rightarrow 14$
 $\therefore \sqrt{\frac{20}{7}} \rightarrow \frac{14}{\sqrt{28}} \times \sqrt{5} \times \frac{\sqrt{20}}{\sqrt{7}}$
 $= \frac{14}{2\sqrt{7}} \times \sqrt{5} \times \frac{2\sqrt{5}}{\sqrt{7}}$
 $= \frac{14 \times 5}{7}$
 $= 10$ kmph

44. (c); Required amount = $8400 \left[\left(1 + \frac{12.5}{100} \right)^3 - 1 \right]$
 $= 3560.16$ Rs.

45. (b); Number of females = $\frac{2}{5} \times 100 = 40$
Males = 60

Use allegation

$$\begin{array}{ccc} 40 & & 60 \\ 2 & : & 3 \\ 7x & & 5x \\ \swarrow & & \searrow \\ 29 & & \\ \swarrow & & \searrow \\ 29-5x & & 7x-29 \end{array}$$

$$\frac{7x-29}{29-5x} = \frac{3}{2}$$

$$x = 5$$

average age of females = $7x = 7 \times 5 = 35$

46. (a); $x_1 = 9, x_2 = 8.4$

$y_1 = 8, y_2 = 8.3$

$\therefore x > y$

47. (e); $x_1 = 1.6, x_2 = -1.5$

$y_1 = 0, y_2 = 2$

\therefore No relation can be established.

48. (d); $x_1 = 3, x_2 = 2$

$y_1 = 3, y_2 = 4.5$

$\therefore x \leq y$

49. (b); $x = 57, y = 65$

$\therefore x < y$

50. (c); $x_1 = \frac{3}{2}, x_2 = \frac{8}{7}$

$y_1 = \frac{3}{4}, y_2 = \frac{8}{7}$

$\therefore x \geq y$

51. (b); Required % = $\frac{810-290}{290} \times 100 \approx 180\%$

52. (e); Required members = $\frac{100}{130} \times 415 = 319$

53. (a); Required Ratio = $330 : 480$
 $= 33 : 48 = 11:16$

54. (c); Required% = $\frac{215}{225} \times 100 = 95.55\%$

55. (e); Required % = $\frac{(225+265)-(80+145+75)}{(225+265)} \times 100$
 $= \frac{(490-300)}{490} \times 100$
 $= \frac{190}{490} \times 100$
 $= 38.77\%$

56. (c); $\times 3 + 1, \times 3 + 2, \times 3 + 3\dots$

$\therefore 477 \times 3 + 4 = 1431 + 4 = 1435$

57. (d); $\times 7 + 1, \times 6 + 2, \times 5 + 3, \times 4 + 4, \times 3 + 5\dots$
 $\therefore 22 \times 6 + 2 = 134$

58. (a); $6 \times 1 + 1 \times 7 = 13$

$13 \times 2 + 2 \times 6 = 38$

$38 \times 3 + 3 \times 5 = 129$

$129 \times 4 + 4 \times 4 = 532$

59. (e); $(\div 2 - 1), (\div 2 - 1), (\div 2 - 1)\dots$

$\therefore \frac{142}{2} - 1 = 71 - 1 = 70$

60. (c); $(\times 0.5 + 0.5), (\times 1 + 1), (\times 1.5 + 1.5), (\times 2 + 2)$
 $\therefore 9 \times 1 + 1 = 10$

61. (c); Total SP = $12 + 12 = 24$ Rs.

Total CP = $\frac{100}{80} \times 12 + \frac{100}{120} \times 12$

$= 15 + 10 = 25$ Rs

\therefore loss of Rs. 1

62. (b); Let the number of corrected answers be 'x'.

Number of wrong answers be $200 - x$

$4x - (200 - x) = 200$

$5x = 400, x = 80$

63. (c); Area of triangle = $\frac{\sqrt{3}}{4} a^2$

$\frac{\sqrt{3}}{4} a^2 = 121\sqrt{3}$

$a^2 = 121 \times 4, a = 22$ cm

Perimeter = $3 \times 22 = 66$ cm

Circumference = $2\pi r$

$2\pi r = 66$

$r = \frac{66 \times 7}{2 \times 22} = \frac{21}{2}$ cm

$$\text{Area of circle} = \pi r^2 = \frac{22}{7} \times \frac{21}{2} \times \frac{21}{2} \\ = 346.5 \text{ cm}^2$$

64. (b): Petrol	Kerosene	$\begin{array}{rcl} 4 & : & 1 \\ 5 & : & 2 \\ 6 & : & 1 \\ \hline \therefore 28 & : & 7 \\ 25 & : & 10 \\ \hline 30 & : & 5 \\ 83 & : & 22 \end{array}$

Required Ratio = 83 : 22

65. (b); 15% \rightarrow 4428

$$1\% \rightarrow \frac{4428}{15}$$

$$(15 + 18 + 9) = 42\% \rightarrow \frac{4428}{15} \times 42 \\ \rightarrow 12398.4 \text{ Rs.}$$

66. (d); $24 \times 9 \times 17 \approx 3700$

67. (a); $\frac{52}{9} \times \frac{44}{5} \times \frac{29}{3} \approx 490$

68. (b); $\frac{5940}{28 \times 6} \approx 35$

69. (a); $131.75 + 161.2 \approx 295$

70. (e); $\sqrt[2]{2230} \approx 47$

71. (c)

72. (a)

73. (e)

74. (d)

75. (e)

76. (b)

77. (c)

78. (a)

79. (a)

80. (d)

For questions (81-85)- the correct sequence is: CFBDEA

81. (c) C

82. (a) A

83. (e) F

84. (b) B

85. (d) D

86. (b) 'Guilty, fast' is the correct use. Here, Guilty will be most appropriate word because he didn't play well, where Fast and lose means to treat something without enough care or attention.

87. (b)

88. (a) remotely; performed is the correct option waning; precipitously

89. (a) For the second blank, the suitable words are 'regime' and 'structure' but for the first blank 'existing' is not suitable.

90. (c) The correct use is 'allowed, extortion' where 'extortion' means the practice of obtaining something, especially money, through force or threats.

91. (c) 'Solutions' should be replaced by 'solution' so that the sentence becomes correct.

92. (a) Change 'If Rajeshwari would have' into 'If Rajeshwari had'.

93. (e) No error.

94. (c) Remove 'at' from the expression. With 'at' the meaning comes as 'to' attack someone.

95. (c) Efforts' should be replaced by 'an effort' because this is singularly related here.

96. (a)

97. (b)

98. (c)

99. (b)

100. (e)


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REASONING

Directions (1-5): Study the following information carefully and answer the questions.

There are seven persons – M, N, O, P, Q, R and S – who teach different subjects viz- Philosophy, Psychology, Performance Studies, Politics, Portuguese, Performing Arts and Physical Education but not necessarily in the same order. They teach on different days of the week starting from Monday. They like different colours, viz- Eburnean, Coquelicot, Xanadu, Wenge, Fulvous, Mikado and Smaragdine but not necessarily in the same order.

N, who likes Mikado, teaches on the fourth day of the week but neither Philosophy nor Physical Education. Two persons teaches between the days on which N and R teach and neither of them teach on the 1st day of the week. There is one person between M and O. But O does not teach either on 1st or 3rd day of the week. O likes Coquelicot colour and teaches Philosophy. The one who teaches Performance Studies, teaches on the last day of the week and likes Xanadu colour. P does not teach on the day either immediately before or immediately after the day on which M teach, who doesn't like either Fulvous or Eburnean or Wenge colour.

S teaches immediately after O and he likes Eburnean colour. Q does not like Fulvous colour and teaches Performing Arts. M does not teach either Portuguese or Politics. The one who teaches Psychology takes class immediately after the day when Philosophy has been taught.

1. Which of the following combinations is definitely false?
 - (a) O – Coquelicot – Philosophy
 - (b) M – Smaragdine – Physical Education
 - (c) Q – Wenge – Performing Arts
 - (d) R – Coquelicot – Philosophy (e) None of these
2. Who among the following teaches on the 5th day of the week?
 - (a) The person who likes Smaragdine colour
 - (b) The person who teaches Performance Studies
 - (c) The person who teaches Philosophy
 - (d) The person who likes Wenge colour
 - (e) None of these
3. Who teaches Politics?
 - (a) The person who likes Mikado colour
 - (b) The person who likes Smaragdine colour
 - (c) The person who likes Fulvous colour
 - (d) Either the person who likes Fulvous colour or the person who likes Mikado colour
 - (e) None of these
4. If 'N' is related to 'Coquelicot' and 'S' is related to 'Xanadu' then which of the following is 'M' related to –
 - (a) Fulvous (b) Mikado (c) Wenge
 - (d) Smaragdine (e) None of these
5. Who teaches Portuguese?
 - (a) The person who teaches on fourth day of the week
 - (b) The person who teaches just before Q
 - (c) The person who teaches just after Q

(d) Can't be determined (e) None of these

Directions (6-10): Study the following information carefully and answer the questions.

Eight friends S, T, U, V, W, X, Y and Z, specialist in different medical fields , i.e. Anesthesiologist, Psychologist, Physician, Surgeon, Veterinarian, Dentist, Chiropractor and Radiotherapist (but not necessarily in the same order), are sitting around a circular table, facing the centre.

- (i) V who is a Dentist sits third to the right of Z.
- (ii) The Psychologist and the Radiotherapist are immediate neighbours of each other and neither of them is an immediate neighbor of either Z or V.
- (iii) The Chiropractor and the Anesthesiologist are immediate neighbors of each other. Neither Z nor Y is an Anesthesiologist.
- (iv) The one who is a Psychologist sits second to the right of W, who is a Veterinarian. X who is a Chiropractor is not an immediate neighbor of the Dentist.
- (v) Only U sits between the Psychologist and the Surgeon. S sits third to the right of the Anesthesiologist.

6. Which of the following pairs represents the immediate neighbours of the Surgeon?
 - (a) Psychologist -Physician (b) Anesthesiologist - Psychologist
 - (c) Chiropractor – Physician (d) Veterinarian - Radiotherapist
 - (e) None of these
7. What is the position of the Physician with respect to the Anesthesiologist?
 - (a) Third to the left (b) Second to the left
 - (c) Immediately to the right (d) Fourth to the right
 - (e) Second to the right
8. Who sits third to the right of the Psychologist?
 - (a)The Dentist (b) T (c)The Chiropractor
 - (d) The Veterinarian (e) None of these
9. Which of the following is true regarding U?
 - (a) U is a Surgeon
 - (b) U is an immediate neighbor of the Anesthesiologist
 - (c) U sits between T and W
 - (d) U is an immediate neighbor of the Psychologist
 - (e) None of these
10. How many people sit between the Dentist and 'Y' when counted in anticlockwise direction from the Dentist?
 - (a) None (b) One (c) Two
 - (d) Three (e) Four

Directions (11-15): Each of the questions given below consists of a question and two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question.

- (a) If statement I alone is sufficient to answer the question, but statement II by itself is not sufficient to answer the question.
- (b) If statement II by itself is sufficient to answer the question, but statement I alone is not sufficient to answer the question.
- (c) If statement either I or II is sufficient to answer the question.
- (d) If both the statements I and II taken together are not sufficient

Directions (36-40): In each of the questions below are given some statements followed by some conclusions. 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.

of action?

- (a) The Internet Cafe should be converted into coffee cafe.
- (b) The Internet should be closed and new project should be started there.
- (c) More funds should be invested on the Internet Cafe.
- (d) Internet Cafe should be banned.
- (e) None of these.

43. Basmati rice exporters are gearing up to top the market in China which recently decided to allow imports from India.

Which of the following can be a possible assumption in the given statement? (An assumption is something supposed or taken for granted)

- (a) Exporters believe, it may take a couple of years to develop this new market, which largely consumes the glutinous sticky rice.
- (b) China presents a new market for Indian exporters, who have seen a surge in volumes of basmati in recent years.
- (c) China's market has monopoly in competition market.
- (d) Basmati rice is high in demand all over the world.
- (e) None of these.

44. There is a considerable increase in the number of persons affected from TB in the city.

Which of the following statements can be an effective course of action?

- (a) All the Dot centres should be made alert in the city
- (b) All the TB Hospitals and Dot centres should be equipped properly for the treatment.
- (c) TB patient should not be permitted to go to public places.
- (d) Both (a) & (b)
- (e) None of these.

45. The RBI has raised the Interest rate ceiling on NRI deposits in foreign currencies by up to 3%.

Which of the following assumption can be possible in the given statement? (An assumption is something supposed or taken for granted)

- (a) The RBI wants to attract inflows in view of the falling value of rupee.
- (b) The Indian banks will be able to offer higher interest rates on NRI deposits in foreign currency.
- (c) RBI wants to create perfect competition.
- (d) The Indian banks have more liquidity.
- (e) None of these.

Directions (46 – 50): Study the following information carefully and answer the question given below:

Seven Persons P, Q, R, S, T, U and V live on seven different floors of a building, but not necessarily in the same order. The lowermost floor of the building is numbered one; the one above it is number two and so on till the topmost floor is number seven. Each of them also likes a different drink and fast-food i.e. drinks are- Pepsi, Miranda, Coca-Cola, Sprite, Thumps up, Frooti, Limca and fast-food are- Dosa, Idali, Burger, Bada-pao, Bread chaat, Chicken Baguette and Sandwich but not necessarily in the same order.

Only one person lives between the one who likes Thumps up and the one who likes Frooti. S does not like Thumps up. V does not like Pepsi. The one who likes Chicken Baguette lives immediate above the one who likes Thumps up. T lives on one of the floors below Q, but does not live on the lowermost floor. The one who lives 7th floor is immediate above the one, who lives immediate below the

one who likes Sandwich. There are three persons between Q and T. The one who likes Sprite lives on one the odd-numbered floors below U. P lives immediately above U and does not like Coca-Cola. U does not like Bada-pao and Idali. The one who likes Burger lives immediate above the one who likes Bread chaat. The one who likes Frooti is also likes Idali. Only one person lives between Q and the one who likes Coca-Cola. The one who likes Bread chaat lives below the one who likes Dosa. Only two persons live between V and the one who likes Coca-Cola. The one who likes Miranda lives on one of the even-numbered floors above the one who likes Coca-Cola. The one who likes Limca lives immediately above V, who does not like Coffee. S lives on one of the floors above R.

46. Which of the following persons like Bada-pao?

- | | |
|---------------------------------|--|
| (a) R | (b) The one who likes Miranda |
| (c) The one who likes Coca-Cola | (d) The one who likes Pepsi (e) Q |

47. Who lives on immediate above the one who likes Idali?

- | | |
|---------------------------------|---------------------------------|
| (a) The one who likes Coca-Cola | (b) Both (a) and (e) (c) S |
| (d) Q | (e) The one who likes Dosa |

48. Which of the following persons like Limca?

- | | | |
|-------|-------------------|-------|
| (a) Q | (b) P | (c) V |
| (d) T | (e) None of these | |

49. How many persons live between the one who likes Sprite and the one who likes Idali?

- | | | |
|-------------------------|-----------|-------------------|
| (a) None | (b) Three | (c) Two |
| (d) Can't be determined | | (e) None of these |

50. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- | | |
|--|--|
| (a) The one who likes Sprite | (b) The one who likes Chicken Baguette |
| (c) The one who lives on 5 th floor | (d) The one who lives on 6 th floor |
| (e) The one who likes Pepsi | |

Directions (51-52): Each of these questions is based on the following information:

A + B means A is the mother of B.

A - B means A is the sister of B.

A * B means A is the father of B.

A β B means A is the brother of B.

51. Which of the following means Q is the grandfather of P?

- | | |
|-------------------|-------------------|
| (a) P + N * M * Q | (b) Q * N * M + P |
| (c) Q β M β N * P | (d) R - P - M β Q |
| (e) None of these | |

52. Which of the following means that N is the maternal uncle of M?

- | | |
|-----------------------|-------------------|
| (a) N β P - L + E - M | (b) N - Y + A β M |
| (c) M - Y * P - N | (d) N β C + F * M |
| (e) None of these | |

53. If A \$ B means A is the brother of B; A @ B means A is the wife of B; A # B means A is the daughter of B and A * B means A is the father of B, which of the following indicates that U is the father-in-law of P?

- | | |
|------------------------|------------------------|
| (a) P @ Q \$ T # U * W | (b) P @ W \$ Q * T # U |
| (c) P @ Q \$ W * T # U | (d) P @ Q \$ T # W * U |
| (e) None of these | |

Directions (54-55): Each of the following questions is based on the following information:

- | |
|---|
| (i) 8-trees → mango, guava, papaya, pomegranate, lemon, banana, |
|---|

raspberry and apple are in two rows 4 in each facing North and South.
 (ii) Lemon is between mango and apple but just opposite to guava.
 (iii) Banana is at one end of a line and is just next in the right of guava or either banana tree is just after guava tree.
 (iv) Raspberry tree which at one end of a line, is just diagonally opposite to mango tree.

54. Which of the following statements is definitely true?

- (a) Papaya tree is just near to apple tree.
- (b) Apple tree is just next to lemon tree.
- (c) Raspberry tree is either left to Pomegranate or after.
- (d) Pomegranate tree is diagonally opposite to banana tree.
- (e) None of these.

55. Which tree is just opposite to raspberry tree?

- | | |
|---------------------------|-----------------|
| (a) Papaya | (b) Pomegranate |
| (c) Papaya or Pomegranate | |
| (d) Data is inadequate | (e) Banana |

Directions (56-60): Below is given a passage followed by several possible inferences which can be drawn from the facts stated in the passage? You have to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity. Mark answer

- (a) if the inference is 'definitely true', i.e. it properly follows from the statement of facts given.
- (b) if the inference is 'probably true' though not 'definitely true' in the light of the facts given.
- (c) if the 'data are inadequate', i.e. from the facts given you cannot say whether the inference is likely to be true or false.

(d) if the inference is 'probably false', though not 'definitely false' in the light of the facts given.

(e) if the inference is 'definitely false', i.e. it cannot possibly be drawn from the facts given or it contradicts the given facts.

It is generally accepted that if the monsoon is poor in any given year, it will have a significantly negative impact on the lives of millions. Some lives, such as those of the farmers, are affected directly because of poor crop yield; others are affected indirectly as the economic growth slows down. Similarly, the years with good monsoon bring smiles and prosperity to the lives of many. For instance, India recorded a sharp jump in its rate of growth after years of good performance in the recent years. This unfortunate cycle affects the lives of millions of poor and hapless. Economics, monsoon risk is a diversifiable risk. In other words, it is an insurance risk. Though one might wonder who will provide the insurance against poor monsoons if everyone is adversely affected by poor monsoon. The answer is—the international investor.

56. All over the world diversifiable risks are always covered by the insurance companies.

57. Scanty monsoon adversely affects the lives of only the poor people in India.

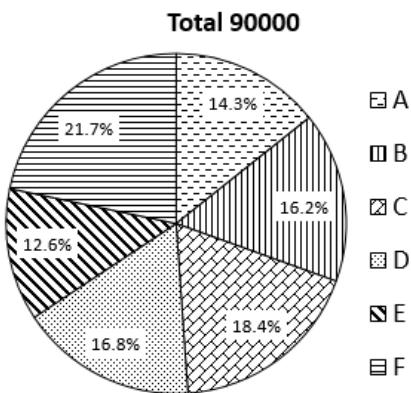
58. There has been considerable growth in India's economy during the recent years.

59. Monsoons in India have been good only in the alternate years during the past few years.

60. Majority of the people outside India are not affected by the poor monsoon in India.

QUANTITATIVE APTITUDE

Directions: (61-65): Total number of cars sold by BMW in six cities is 90000. Given pie-chart shows the percentage distribution of these cars sold in these cities. The table shows the ratio of number of cars sold of 3 different models in each city.



Model →	M ₁	M ₂	M ₃
City ↓			
A	7	7	4
B	2	5	2
C	3	3	4
D	4	3	2
E	2	2	1
F	3	2	5

61. What is the total number of M₂ cars sold in all cities together?

- (a) 31155
- (b) 31255
- (c) 31355
- (d) 31455
- (e) 31555

62. What is the difference between M₁ cars sold in city D and city E?

- (a) 2184
- (b) 2204
- (c) 2244
- (d) 2284
- (e) 2294

63. The number of M₁ cars sold in city D is approximately what percentage of the total number of M₃ cars sold in city A?

- (a) 145%
- (b) 42.55%
- (c) 185%
- (d) 83.3%
- (e) 235%

64. Total number of cars sold in city F is approximately what percent more than the total number of cars sold in city B?

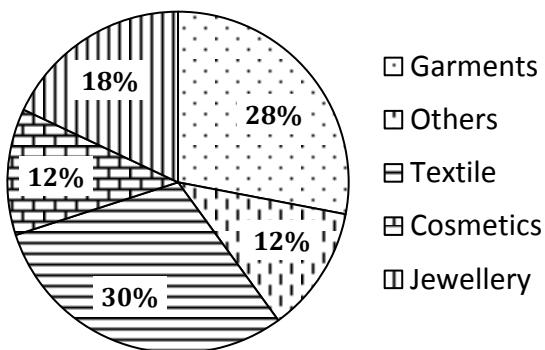
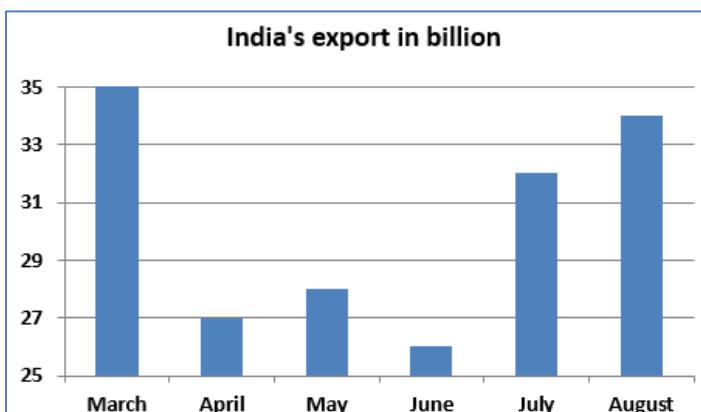
- (a) 5.5%
- (b) 13%
- (c) 21%
- (d) 27.5%
- (e) 34%

65. What is the ratio of the total number of cars sold in city C to the total number of M₂ cars sold in city D?

- (a) 19 : 5
- (b) 23 : 7
- (c) 27 : 8
- (d) 33 : 10
- (e) 47 : 10

Directions (66-70): Study the following bar graph shows India's export in 2015 from march to august and pie chart shows percentage distribution of various products exported from India (same for all months). Read the graphs and answer the following questions:

(India's export in \$ billion)



66. What is the average export of textile industry over the period ?
 (a) 22.32 billion (b) 24.32 billion (c) 21.84 billion
 (d) 21.74 billion (e) None of these
67. If the export in September is increased by 10% in comparison to previous month, then what is the amount of increase in Garment industry?
 (a) 0.952 billion (b) 1.426 billion (c) 1.843 billion
 (d) 1.893 billion (e) 1.983 billion
68. The export of jewellery in August is what per cent greater than 'others' export in March?
 (a) 44.2% (b) 45.7% (c) 48%
 (d) 48.7% (e) 45%
69. The export of cosmetics in April is how many times the export of textiles in August?
 (a) 0.5 (b) 0.25 (c) 0.6
 (d) 0.2 (e) 0.3
70. The export of garments and cosmetics together in the month of July is approximately what per cent the exports of jewellery and others in the month of March?
 (a) 130% (b) 115% (c) 120%
 (d) 125% (e) 110%

Directions (71-75): What will come in place of question mark (?) in the following question ?

71. 204 115 56 ? 4 -1
 (a) 32 (b) 40 (c) 21
 (d) 36 (e) None of these
72. 18 45 135 472.5 ? 8505
 (a) 1830 (b) 1820 (c) 1890
 (d) 1840 (e) None of these
73. 567 1140 2290 ? 9206

- (a) 4590 (b) 4584 (c) 4542
 (d) 4594 (e) None of these
74. 34 72
 (a) 225 (b) 121 (c) 221
 (d) 135 (e) None of these
75. 2 60 10
 (a) 222 (b) 216 (c) 208
 (d) 230 (e) None of these
- Directions (76-80):** In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answer
- (a) if $x > y$ (b) if $x \geq y$ (c) if $x < y$ (d) if $x \leq y$
 (e) if $x = y$ or no relation can be established between x and y .
76. I. $5x - 7y = -24$ II. $13x + 3y = 86$
 77. I. $x^2 - 13x + 40 = 0$ II. $y^2 + 3y - 40 = 0$
 78. I. $8x^2 - 26x + 15 = 0$ II. $2y^2 - 17y + 30 = 0$
 79. I. $x^2 = 484$ II. $y^2 - 45y + 506 = 0$
 80. I. $13x - 21 = 200 - 4x$ II. $y = \sqrt[3]{2197}$
81. A can do a piece of work in 12 days, B can do the same work in 8 days, and C can do the same job in $\frac{4}{5}$ th time required by both A and B. A and B work together for 3 days, then C completes the job. How many complete days did C work?
 (a) $2\frac{1}{25}$ (b) 4 (c) 2
 (d) $1\frac{11}{25}$ (e) none of these
82. A sells a horse to B for Rs. 4860, thereby losing 19 per cent, B sells it to C at a price which would have given A 17 per cent profit. Find B's gain.
 (a) Rs. 2160 (b) Rs. 2610 (c) Rs. 1260
 (d) Rs. 2260 (e) None of these
83. The average age of A and B is 20 years. If C were to replace A, the average would be 19 and if C were to replace B, the average would be 21. What are the ages of A, B and C?
 (a) 22, 18, 20 (b) 18, 22, 20 (c) 22, 20, 18
 (d) 18, 20, 22 (e) None of these
84. In an election between 2 candidates, 75% of the voters cast their votes, out of which 2% votes were declared invalid. A candidate got 9261 votes which were 75% of the valid votes. The total number of voters enrolled in the election was:
 (a) 16000 (b) 16400 (c) 16800
 (d) 18000 (e) none of these
85. Two vessels A and B contains milk and water mixed in the ratio 8:5 and 5:2 respectively. The ratio in which these two mixture be mixed to get a new mixture containing $69\frac{3}{13}\%$ milk is
 (a) 3:5 (b) 5:2 (c) 5:7
 (d) 2:7 (e) None of these
86. A train leaves a station A at 7 am and reaches another station B at 11 am, another train leaves station B at 8 am and reaches station A at 11:30am. The two trains cross one another at
 (a) 8:36am (b) 8:56am (c) 9:00 am
 (d) 9:24am (e) None of these
87. X and Y invest in the ratio 5:6, at the end of 8 months X withdraws his capital. If they receive profits in the ratio 5:9, find how long Y's investment was used?
 (a) 12 months (b) 10 months (c) 15 months
 (d) 14 months (e) None of these
88. A borrows Rs 800 at the rate of 12% per annum SI and B

- borrows Rs 910 at the rate of 10% per annum SI , after how many years their amount of debt will be equal?
- (a) 18 year (b) 20 year (c) 22 year
 (d) 24 year (e) None of these
89. On what sum of money will be the difference between SI and CI for 2 years at 5% per annum be equal to Rs 25?
- (a) Rs 10000 (b) Rs 10500 (c) Rs 9500

- (d) Rs 9000 (e) None of these
90. A shopkeeper sold an item at 10% loss after giving a discount equal to half of the marked price. Then the cost price is
- (a) $\frac{1}{9}$ of Marked price (b) $\frac{4}{9}$ of Marked price
 (c) $\frac{5}{9}$ of marked price (d) $\frac{7}{9}$ of marked price
 (e) None of these

English Language

Directions (91 –100): Read the following passage carefully and answers the questions given below it. Certain words are given in bold to help you locate them while answering some of the questions.

Crinoline and croquet are out. As yet, no political activists have thrown themselves in front of the royal horse on Derby Day. Even so, some historians can spot the parallels. It is a time of rapid technological change. It is a period when the dominance of the world's superpower is coming under threat. It is an **epoch** when prosperity is coming under threat. It is an epoch when prosperity masks underlying economic strain. And, crucially, it is a time when policy-makers are confident that all is for the best in the best of all possible worlds. Welcome to the Edwardian Summer of the second age of globalization.

Spare a moment to take stock of what's been happening in the past few months. Let's start with the oil price, which has rocketed to more than \$65 a barrel, more than double its level 18 months ago. The accepted wisdom is that we shouldn't worry our little heads about that, because the incentives are there for business to build new production and refining capacity, which will effortlessly bring demand and supply back into balance and bring crude prices back to \$25 a barrel. As Tommy Cooper used to say, 'just like that'.

Then there is the result of the French referendum on the European Constitution, seen as thick-headed luddites railing vainly against the modern world. What the French needed to realise, the argument went, was that there was no alternative to the reforms that would make the country more flexible, more competitive, more dynamic. Just the sort of reforms that allowed Gate Gourmet to **sack** hundreds of its staff at Heathrow after the sort of ultimatum that used to be handed out by Victorian mill owners. An alternative way of looking at the French "non" is that our neighbours translate "flexibility" as "you're fired".

Finally, take a **squint** at the United States. Just like Britain a century ago, a period of unquestioned superiority is drawing to a close. China is still a long way from matching America's wealth, but it is growing at a **stupendous** rate and economic strength brings geo-political clout. Already, there is evidence of a new scramble for Africa as Washington and Beijing compete for oil stocks. Moreover, beneath the surface of the US economy, all is not well. Growth looks healthy enough, but the competition from China and elsewhere has meant the world's biggest economy now imports far more than it exports. The US is living beyond its means, but in this time of studied complacency, a current account deficit worth 6 percent of gross domestic product is seen as a sign of strength, not weakness.

In this new Edwardian summer, comfort is taken from the fact that dearer oil has not had the savage inflationary consequences of

1973–74, when a fourfold increase in the cost of crude brought an abrupt end to a postwar boom that had gone on uninterrupted for a quarter of a century. True, the cost of living has been affected by higher transport costs, but we are talking of inflation at 2.3 per cent and not 27 per cent. Yet, the idea that higher oil prices are of little consequence is fanciful. If people are paying more to fill up their cars, it leaves them with less to spend on everything else, but there is a reluctance to negotiate large, compensatory pay deals that served to intensify inflationary pressure. In 2005, that avenue is pretty much closed off, but the abolition of all the controls on credit that existed in the 1970s means that households are invited to borrow more rather than consume less. The knock-on effects of higher oil prices are thus felt in different ways—through high levels of indebtedness, in inflated asset prices, and in balance of payments deficits.

There are those who point out, rightly, that modern industrial capitalism has proved mightily resilient these past 250 years, and that a sign of the enduring strength of the system has been the way it apparently shrugged off everything—a stock market crash, 9/11, rising oil prices—that have been thrown at it in the half decade since the millennium. Even so, there are at least three reasons for concern. First, we have been here before. In terms of political economy, the first era of globalization mirrored our own. There was a belief in **unfettered** capital flows, in free trade, and in the power of the market. It was a time of massive income inequality and unprecedented migration. Eventually, though, there was a backlash, manifested in a struggle between free traders and protectionists, and in rising labour militancy.

Second, the world is traditionally at its most fragile at times when the global balance of power is in flux. By the end of the nineteenth century, Britain's role as the hegemonic power was being challenged by the rise of the United States, Germany, and Japan, while the Ottoman and Hapsburg empires were clearly in rapid decline. Looking ahead from 2005, it is clear that over the next two or three decades, both China and India—which together account for half the world's population—will flex their muscles.

Finally, there is the question of what rising oil prices tell us. The emergence of China and India means global demand for crude is likely to remain high at a time when experts say production is about to top out. If supply constraints start to bite, any declines in the price are likely to be short-term cyclical affairs, punctuating a long upward trend.

91. Which of the following best represents the key argument made by the author?
- (a) The rise in oil prices, the flux in the global balance of power and historical precedents should make us question our belief that the global economic prosperity would continue.

- (d) Stage (e) Notice

Directions (99-100): Choose the word/group of words which is **MOST OPPOSITE** in meaning to the word/group of words printed in bold as used in the passage.

99. **Unfettered**

(a) Restricted	(b) Dissemble	(c) Virulent
(d) Apposite	(e) Niggard	

100. **Stupendous**

(a) Astounding	(b) Tremendous	(c) Marvelous
(d) Ordinary	(e) Mammoth	

Directions (101-105): Rearrange the following six sentences (A), (B), (C), (D), (E), (F) and (G) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

A. Among the essential features of this situation is that no one knows his place in society, his class position or social status, nor does anyone know his fortune in the distribution of natural assets and abilities, his intelligence, strength, and the like.

B. This ensures that no one is advantaged or disadvantaged in the choice of principles by the outcome of natural chance or the contingency of social circumstances.

C. It is understood as a purely hypothetical situation characterized so as to lead to a certain conception of justice.

D. I shall even assume that the parties do not know their conceptions of the good or their special psychological propensities.

E. Since all are similarly situated and no one is able to design principles to favor his particular condition, the principles of justice are the result of a fair agreement or bargain.

F. In 'justice as fairness', the original position is not an actual historical state of affairs.

G. The principles of justice are chosen behind a veil of ignorance.

101. Which of the following should be the **FIRST** sentence after rearrangement?
 (a) E (b) G (c) C (d) D (e) F

102. Which of the following should be the **SECOND** sentence after rearrangement?
 (a) A (b) E (c) C (d) G (e) F

103. Which of the following should be the **THIRD** sentence after rearrangement?
 (a) A (b) B (c) D (d) E (e) G

104. Which of the following should be the **FIFTH** sentence after rearrangement?
 (a) B (b) C (c) G (d) A (e) F

105. Which of the following should be the **SEVENTH (last)** sentence after rearrangement?
 (a) A (b) E (c) D (d) D (e) F

Directions (106 –110): In each of the following sentences there are two blank spaces. Below each five pairs of words have been denoted by numbers (a), (b), (c), (d) and (e). Find out which pair of words can be filled up in the blanks in the sentences in the same sequence to make the sentence meaningfully complete.

106. The old miser's _____ did him little good when he died without heir or friend, and all his precious money was _____ to the state.
 (a) frugality escheated (b) miserliness ordained
 (c) exemplariness given (d) frugality ordained

- (e) indulgence Willed

107. Unlike the other photojournalists, Rochelle despised the _____ nature of the newspaper business because she craved _____.
(a) permutable .. habitude (b) flexible .. chaos
(c) permutable .. chaos (d) flexible .. stable
(e) heinous .. posterity

108. In the plots of most Bollywood movies, there is/are a character/s with _____ intentions, whose primary role is to try to _____ the handsome hero in his noble mission.
(a) Furtive, abet (b) malevolent, thwart
(c) unsavory, depict (d) inappropriate, derail
(f) Benevolent, obstruct

109. After a natural spring was discovered in the arid region, the family's old, abandoned farm was _____ quickly _____ into a profitable private business, centered around a state-of-the-art well that _____ valuable water.
(a) turned, expiates (b) configured, manipulates
(c) transformed, emanates (d) expropriated, eradicates
(e) transpired, exhaled

110. For some politicians, charm is a mere _____ adopted to get votes and _____ criticism.
(a) prerequisite, distort (b) affection, alleviate
(c) tool, inflict (d) ruse, condone
(e) contender, earn

Directions (111-115): Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is 'No error', the answer is e). (Ignore errors of punctuation, if any.)

111. The commission set-up to submit a report (a)/ about the reason for the fall in (b)/educational standards could not complete (c) its work even after two years. (d)/No error (e).

112. Young school students (a)/now-a-days are subjected to intense pressure (b)/ from peers and parent alike to fetch (c)/ high marks in public examinations. (d)/No error (e).

113. The speaker stressed (a)/ repeatedly on the importance (b)/ of improving the condition (c)/ of the slums. (d)/No error (e).

114. Though, she has aptitude (a)/ in mathematics I won't allow (b)/ her to take it up as a subject of study for the Master's

Degree (c)/ because I know the labour involved will tell upon her health. (d)/No error (e).

- 115.** I am not familiar (a)/ with all the important places in this (b)/ town although I have been living (c)/ here since two years.
(d)/No error (e).

Directions (116-120): 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.

As early Europeans first stepped ashore in what they considered the "New World," they were usually welcomed by the peoples indigenous to the Americas. Native Americans seemed to regard their lighter-complexioned (116) as something of a marvel, not only for their dress , beards, and winged ships, but even more for their technology – steel knives, swords, and cannons; mirrors and earrings; copper and brass kettles; and other unusual items .

Nonetheless, Native Americans soon recognized that the Europeans were flawed and thoroughly human. (117), early records show that 16th- and 17th-century Native Americans very often (118) Europeans as rather detestable specimens. For instance, Europeans were frequently accused of being stingy with their wealth and (119) to the extreme, as witnessed in their insatiable desire for beaver furs and deer hides. Similarly, the indigenous population was also surprised at the Europeans' intolerance for native religious beliefs, marital arrangements, eating habits, and other (120).

General Awareness

- (d) Section 9 , Income-tax Act, 1961
 - (e) Section 8, Income-tax Act, 1951

- 123.** The country's largest lender State Bank of India launched 3 new digital offerings on the occasion of 61st State Bank Day 1st July. Which of the following is three?

- I. Customers for transacting on Flipkart for a minimum purchase of Rs. 5000.

II. SBI Mingle. III. SBI Digital Villages.

IV. SBI Online Loan Facility

(a) I, II, III (b) II, III, IV (c) I ,II, IV
(d) I, III, IV (e) None of these

- 124.** Union Cabinet approved the recommendations of the 7th Pay Commission. The salaries and arrears, effective from 1 January 2016, will be made applicable now. The minimum

- pay for government employees is recommended to be set at 18000 rupees per month. The maximum pay is recommended to be 225000 rupees per month for Apex Scale and 250000 per month for Cabinet Secretary. The commission recommended how much percent hike in pay and allowances of government employees?
- (a) 24.45% (b) 25.65% (c) 23.55%
 (d) 25.25% (e) 23.15%
- 125.** Many a times we read about Special Drawing Rights (SDR) in newspapers. As per its definition, SDR is a monetary unit of reserve asset of which the following organization/agency?
- (a) International Monetary Fund (IMF)
 (b) Asian Development Bank (ADB)
 (c) World Bank
 (d) Reserve Bank of India (RBI)
 (e) None of the these
- 126.** IDFC Bank (Infrastructure Development Finance Company) has announced it had acquired _____ headquartered microfinance institution Grama Vidiyal in an all-cash deal. The company did not disclose the deal size. The acquisition gives IDFC Bank access to Grama Vidiyal's 12 lakh customers across 7 States, besides giving it 319 branches across 65 districts in these States.
- (a) Gujarat (b) Maharashtra (c) Andhra Pradesh
 (d) Tamil Nadu (e) Telangana
- 127.** RBI's open market operation transactions are carried out with a view to regulate _____?
 I. Liquidity in the economy
 II. Prices of essential commodities
 III. Inflation
 IV. Borrowing powers of the Bank
 (a) Only I (b) Only II (c) Only I and III
 (d) Only I, III and IV (e) All of the above
- 128.** India's largest lender State Bank of India (SBI) and Telecom-to-energy conglomerate Reliance Industries (RIL) have signed a subscription and shareholders agreement to set up payments bank joint venture. As per this agreement, RIL will work as the promoter and will contribute how much percentage equity in the payments bank. While SBI will have contributed how much percent equity respectively?
- (a) 60% and 40% (b) 75% and 25% (c) 70% and 30%
 (d) 50% and 50% (e) None of these
- 129.** Exim Bank also provides _____?
 I. Refinance facilities
 II. Consultancy and technology services
 III. Services of finding foreign markets for exporters
 (a) Only I (b) Only II (c) Only I and III
 (d) All of the Above (e) None of these
- 130.** Axis Bank Limited is the 3rd largest private sector bank in India has launched an innovation lab to smooth start-ups and announced that it will create a dedicated fund to invest in these new-age companies that would benefit its business.

The bank has launched how much sq ft lab at Bengaluru with an in-house innovation team?

- (a) 15,000 sq ft (b) 10,000 sq ft (c) 5,000 sq ft
 (d) 20,000 sq ft (e) None of these

- 131.** Which of the following is/are true about the "Sub-Prime Crisis"- term?
- I. It is a Mortgage crisis referring to Credit default by the borrowers.
 II. Sub-Prime borrowers were those borrowers who were rated low and were high risk borrowers.
 III. This crisis originated out of negligence in credit rating of the borrowers
 (a) Only I (b) Only II (c) Only II and I
 (d) All of the above (e) None of these
- 132.** The Central Statistical Office (CSO) released the provisional estimates of national GDP for 2015-16. It pegged GDP growth at 7.9 percent in Quarter 4 of 2015-16 and 7.6 percent in the whole of 2015-16. Which of the following statement is true according to the CSO in 2015-16?
- I. Fiscal Deficit -----A. 3.9%
 II. Revenue Deficit -----B. 2.5%
 III. Plan Expenditure -----C. 471081 cr
 IV. Gross tax collection -----D. 10.74%
 V. Non Tax Receipts -----E. 250744 cr
 (a) Only I and III (b) Only I and IV
 (c) Only I, II and IV (d) Only I, III and IV
 (e) All of the above
- 133.** The DICGC covers Bank Deposits under its Deposit Insurance Scheme of the commercial banks and includes _____?
 I. Foreign Banks operating in India,
 II. Regional Rural Banks
 III. Co-operative Banks
 IV. Urban Co-operative Bank
 (a) Only I (b) Only III and IV (c) Only I, III, IV
 (d) Only II and IV (e) All of the above
- 134.** The BCCI suspended and issued show cause notices to the top State Cricket Association officials, who were arrested for alleged misappropriation of organization funds, and initiated a probe of its own against them. Which among the following is that state?
- (a) Haryana (b) Goa (c) Gujarat
 (d) Kerala (e) Punjab
- 135.** Which of the following would fall under Retail Banking?
- I. Home Loan II. Vehicle Loan
 III. Credit cards IV. Mutual Funds
 (a) Only I and II (b) Only II and III (c) Only I and IV
 (d) Only I, II and III (e) All of the Above
- 136.** Union and Karnataka Government signed 100 million US dollar loan and project agreement with World Bank to support 'Karnataka Urban Water Supply Modernization project'. Karnataka Urban Infrastructure Development

- Finance Corporation (KUIDFC) is the implementing agency of the project. The loan, from the International Bank for Reconstruction and Development (IBRD), has approved for how many years with how many grace periods?
- (a) 25 years and 5 years (b) 20 years and 2 years
 (c) 15 years and 5 years (d) 25 years and 2 years
 (e) 24 years and 5 years
- 137.** The Union cabinet approved the merger of the State Bank of India (SBI) with the five subsidiaries of Bank. Apart from this, the Bharatiya Mahila Bank will also be merged with the SBI. Which of the following is not a subsidiary of SBI?
- (a) State Bank of Patiala (b) State Bank of Travancore
 (c) State Bank of Mysore (d) State bank of Mumbai
 (e) State Bank of Hyderabad
- 138.** The exchange rate in India is dependent upon:
- I. Government policy
 II. Demand-supply forces
 III. Monetary policy objectives
 (a) Only I (b) Only II (c) Only III
 (d) Both I and II (e) All of the above
- 139.** What do you mean by a clearing house?
- I. Collection centre for cheques and demand drafts;
 II. Pooling centre for excess currencies received from the branches;
 III. Collection centre for collection of tax and other receipts;
 IV. Collection centre for issuing debit and credit cards to customers;
 (a) Only I (b) Only II (c) Only III
 (d) Both I and II (e) All of the above
- 140.** The Cabinet Committee on Economic Affairs (CCEA) gave its approval for installation of Ghatampur Thermal Power Project (GTPS) of 1980 MW capacity through a Joint Venture Company. The Joint Venture Company is named as Neyveli Uttar Pradesh Power Limited (NUPPL). The company is formed jointly by Neyveli Lignite Corporation Limited (NLC) and Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited (UPRVUNL). What is the estimated cost of this project?
- (a) Rs.16237.9crore (b) Rs.24237.3crore
 (c) Rs.17237.8crore (d) Rs.25237.0crore
 (e) Rs.15237.6crore
- 141.** Private lender Axis Bank inaugurated an "all women branch". This is the bank's first such branch here in the State Where is its branch?
- (a) Chennai (b) Kolkata (c) Bengaluru
 (d) Mumbai (e) New Delhi
- 142.** Which of the following private sector Banks has announced a 60 basis point (0.60 per cent) reduction in micro loan lending rates recently?
- (a) Axis Bank (b) Bandhan Bank (c) HDFC Bank
 (d) South Indian Bank (e) Kotak Mahindra Bank
- 143.** A rise in the reserve ratio of banks ____?
- I. Will lead to an increase in the money supply
 II. Will lead to a proportionate increase in the money supply
 III. Will lead to a decrease in the money supply
 (a) Only I (b) Only II (c) Only III
 (d) Both II and III (e) Both I and II
- 144.** The Commerce Ministry has launched an e-marketplace for online purchase of goods and services by various central government ministries and departments. The portal has been developed by the Directorate General of Supplies and Disposals (DGS&D). Name the Union Minister of State Commerce and Industry, who launched the e-marketplace?
- (a) Nitin Gadkari (b) Krishna Raj (c) Kiren Rijiju
 (d) Nirmala Sitharaman (e) None of these
- 145.** "Currency Swap" is an instrument to manage ____?
- I. Currency Risk II. Interest Rate Risk
 III. Cash Flows in different currencies
 (a) Only I (b) Only II (c) Only III
 (d) Both I and II (e) All of the above
- 146.** Which of the following banks are commercial banks?
- I. Foreign Banks
 II. State Co-operative Banks
 III. Private Banks
 IV. Regional Rural Banks
 (a) Only I and II (b) Only II and III (c) Only I, II, IV
 (d) Only I, III and IV (e) All of the above
- 147.** Malala Day is celebrated in which month of the year?
- (a) July (b) May (c) June
 (d) August (e) September
- 148.** The main foreign exchange reserves in the country comprises of the following:
- I. Foreign currency assets;
 II. Gold stock;
 III Special drawing rights;
 IV. Reserve tranche position;
 (a) Only I (b) Only II (c) Both I and III
 (d) Both II and IV (e) All of the above
- 149.** Recep Tayyip Erdogan, Turkey's President has declared a three-month state of emergency following a botched coup attempt. The decision was made following a meeting with cabinet ministers and top security advisers. What is currency and capital of the Turkey?
- (a) Turkish pound, Sofia (b) Turkish Dollar, Ankara
 (c) Turkish lira, Ankara (d) Turkish Dinar, Sofia
 (e) Turkish krone, Ankara
- 150.** LAF is an indirect instrument of monetary policy, which is used by RBI to regulate the liquidity in the banking system. 'LAF' stands for:
- (a) Liquidity Allotment Facility (b) Liquidity Account Facility
 (c) Liquidity Adjustment Feature
 (d) Liquidity Adjustment Facility (e) None of these
- 151.** Which of the following is the First Book that is written by Chetan Bhagat?
- (a) The 3 Mistakes of My Life (b) What Young India Wants

- (c) Five Point Someone
 (d) One Night @ the Call Centre (e) None of these
- 152.** The Regional Rural Banks were set up in ____?
 (a) October 2, 1975 (b) January 1, 1975
 (c) March 11, 1975 (d) April 1, 1975 (e) None of these
- 153.** The Federation of Indian Chambers of Commerce and Industry (FICCI) has called for restarting of negotiations for India's Free Trade Agreements with the European Union and which nation?
 (a) US (b) Germany (c) France
 (d) UK (e) Israel
- 154.** Which of the following correctly describes what Sub-prime lending is?
 I. Lending to the people who cannot return the loans.
 II. Lending to the people who are high value customers of the banks.
 III. Lending to those who are not a regular customer of a bank
 (a) Only I (b) Only II (c) Only III
 (d) Both II and III (e) All of the above
- 155.** Reverse Repo Rate means that ____?
 (a) The rate at which RBI borrows money from banks.
 (b) The rate at which RBI borrows money from Central Government.
 (c) The rate at which state governments borrow money from banks.
 (d) The rate at which RBI borrows money from the State Government.
 (e) The rate at which RBI borrows money from the World Bank.
- 156.** Didi Akinyelure has won the second BBC World News Komla Dumor Award for 2016. Didi Akinyelure is a prime-time news anchor and presents business news for CNBC, which broadcasts across the continent. She belongs to which country?
 (a) China (b) Korea (c) Turkey
 (d) Nigeria (e) None of these
- 157.** How many banks are presently associated with State Bank of India?
 (a) Six (b) Five (c) Seven
 (d) Four (e) None of these
- 158.** The Narendra Modi government has allocated Rs 22,915 crore capital to meet the capitalization needs of how many Public Sector Banks (PSBs) in the current fiscal?
 (a) 27 (b) 19 (c) 20
 (d) 13 (e) 15
- 159.** The Centre has released more than Rs. 28,000 crore so far this year to States under MGNREGA to clear the last year's liabilities and for running the programme in the ongoing year, Parliament was informed. Under the MNREGA, funds are released to the States on the basis of agreed to labour budget and performance of the States. What is the full form of the MNREGA?
 (a) Mahatma Gandhi National Rural Employment Guarantee Action
 (b) Mahatma Gandhi National Rural Employment Guarantee Act
 (c) Mahatma Gandhi National Rural Education Guarantee Act
 (d) Mahatma Gandhi National Rural Education Guarantee Action
 (e) None of these
- 160.** The loan amount in case of a reverse mortgage is decided taking into account which of the following?
 I. Value of House property,
 II. Age of the borrower
 III. Prevalent Interest rates
 (a) Only I (b) Only II (c) Both I and III
 (d) All of the above (e) None of these
- 161.** The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has given its approval for Revised Cost Estimate (RCE) of Rs. 7290.62 crore for the ongoing 1020 MW Punatsangchhu-II Hydroelectric Project (HEP) in which of the following countries?
 (a) Myanmar (b) Bhutan (c) Nepal
 (d) Bangladesh (e) None of these
- 162.** Talgo has become the fastest train in the country by clocking a speed of 180 km/hr by covering 84 km in 38 minutes in a trial conducted by Railways on Mathura-Palwal route, surpassing the record of Gatimaan Express. Talgo made in which of the following countries?
 (a) Spain (b) Australia (c) Japan
 (d) China (e) None of these
- 163.** Reserve Bank of India advised banks to exchange up to 20 pieces of soiled Indian currency notes with a cap value of _____ through the counter without any processing fee in order to improve the customer service. If the notes are presented in bulk, banks will accept them, against receipt, for value, which is to be credited later.
 (a) Rs. 2,000 (b) Rs. 5,000 (c) Rs. 10,000
 (d) Rs. 15,000 (e) None of these
- 164.** _____ took charge as the first woman chief justice of Nepal's Supreme Court, after her name was endorsed by a parliamentary panel. The 64-year-old was administered the oath of office and secrecy by President Bidhya Devi Bhandari at Sheetal Niwas.
 (a) Kiran Devi (b) Vidya Devi (c) Sushila Karki
 (d) Sushma Kumari (e) None of these
- 165.** _____ has approved the \$63 million US dollar project, Tejaswini: Socioeconomic Empowerment of Adolescent Girls and Young Women in _____. The project will support adolescent girls and young women between the ages of 14 and 24 to complete their secondary level education. It will also help them to acquire relevant skills for the job market.
 (a) Asian Infrastructure Investment Bank, Jharkhand
 (b) Asian Development Bank, Madhya Pradesh

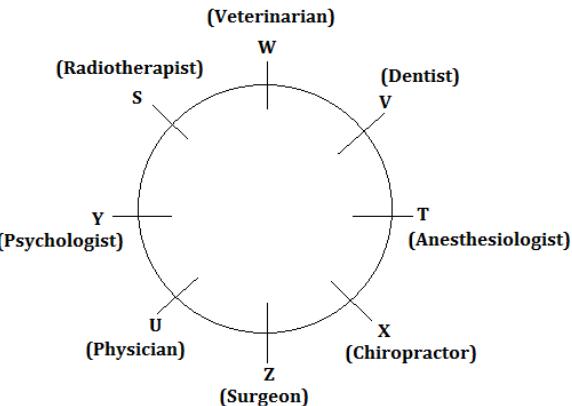
- 180.** According to SEBI's new slew of reforms all listed companies including PSUs must have public shareholding of _____. The decisions were taken at a board meeting of Sebi here and included many reform measures to boost _____.
 (a) 25%, Secondary Market (b) 25%, Primary Market
 (c) 24%, Capital Market (d) 20%, Share Market
 (e) None of these
- 181.** The Ramon Magsaysay Award is an annual award established to perpetuate former Philippine President Ramon Magsaysay. This award not given to which field?
 (a) Government Service (b) Public Service
 (c) Community Leadership (d) Journalism (e) Medicine
- 182.** The Organization of the Petroleum Exporting Countries (OPEC) was founded in Baghdad, Iraq with the signing of an agreement in September 1960. Where is headquarter of OPEC?
 (a) Kuwait city, Kuwait (b) Tripoli, Libya
 (c) Riyadh, Saudi Arabia (d) Tehran, Iran
 (e) Vienna, Austria
- 183.** Periyar Tiger Reserve located in Thekkady at the district of Idukki in which state, and it is one of the 27 tiger reserves in India?
 (a) Kerala (b) Tamil Nadu (c) Karnataka
 (d) Madhya Pradesh (e) None of these
- 184.** Dattu Bhokanal has qualified for the Rio Olympics after winning a silver in the finals of men's single sculls at the 2016 FISA Asian and Oceania Olympic Qualification Regatta at Chung-ju in South Korea. He is related to which game?
 (a) Football (b) Chess (c) Rower
 (d) Wrestling (e) None of these
- 185.** International Day of Sport for Development and Peace observed on which date?
 (a) 5 April (b) 6 April (c) 7 April
 (d) 8 April (e) None of these
- 186.** The Veer Savarkar International Airport is located at which city of India?
 (a) Chennai (b) Lucknow (c) Port Blair
 (d) Cochin (e) None of these
- 187.** Ashwini Ponnappa is an elite Indian _____ player who represents the country at the international circuit in both the women's and mixed doubles disciplines.
 (a) Tennis (b) Cricket (c) Badminton
 (d) Boxing (e) None of these
- 188.** Meenakshi Amman Temple is a historic Hindu temple located on the southern bank of the Vaigai River in the temple city of?
 (a) Kolkata, West Bengal
 (b) Thiruvananthapuram, Kerala
 (c) Madurai, Tamil Nadu
 (d) Puri, Odisha
 (e) Visakhapatnam, Andhra Pradesh
- 189.** The Netherlands, a country in northwestern Europe, is known for its flat landscape, canals, tulip fields, windmills and cycling routes. What is the capital of Netherlands?
 (a) London (b) Athens (c) Paris
 (d) Amsterdam (e) None of these
- 190.** The 2980MW Sipat Super Thermal Power Plant located at Sipat in the _____ ranks as the fifth largest thermal power station in India. It is a coal-based power plant owned and operated by NTPC.
 (a) Chhattisgarh (b) Jharkhand (c) Odisha
 (d) West Bengal (e) None of these
- 191.** Researchers from the lab of which social media major have developed new technology that can make light based wireless communication possible?
 (a) Instagram (b) Facebook (c) Twitter
 (d) Opera (e) None of these
- 192.** The Centre has released more than _____ so far this year to States under MGNREGA to clear the last year's liabilities and for running the programme in the ongoing year.
 (a) 25,000 cr (b) 26,500 cr (c) 27,000 cr
 (d) 28,000 cr (e) None of these
- 193.** The national policy for the micro, small and medium enterprises(MSMEs), which seeks to boost the overall growth of the sector, is expected to be released by the end of this year. Committee headed by former Cabinet Secretary?
 (a) TSR Subramanian (b) Shashank Shekhar Singh
 (c) Alok Rawat (d) Prabhat Kumar (e) None of these
- 194.** The World No Tobacco Day is observed on _____ every year, the World Health Organization(WHO) is calling for governments across the world to enact policies for plain packaging of tobacco products. WHO's slogan for this year's (2016) for World No Tobacco Day is?
 (a) 31 July, Smoking kills
 (b) 31 June, We can to put our health first
 (c) 31 May, Get ready for plain packaging
 (d) 30 May, Health Is My First Priority
 (e) None of these
- 195.** India's ace cueist Pankaj Advani has created history by clinching the Asian 6-Red Snooker title. Advani thus became the first in the world to hold both world and continental titles in 6-red snooker at the same time in?
 (a) New Delhi (b) Abu Dhabi (c) Beijing
 (d) London (e) Singapore
- 196.** _____ Pakistani cricketer and the current Test captain of the national cricket team who had scored 110 against _____. With this, the 42 years and 47 days old cricketer became the oldest captain to score Test hundred.
 (a) Younus Khan, Sri Lanka (b) Shoaib Malik, England
 (c) Misbah-ul-Haq, England
 (d) Misbah-ul-Haq, South Africa (e) None of these
- 197.** Australia on 18 June 2016 won Hero Hockey Champions Trophy 2016 at the Lee Valley Hockey and Tennis Centre in London. Australia defeated _____ in a shoot-out.

- (a) India (b) Germany (c) Belgium
 (d) Netherland (e) None of these
- 198.** The Union Finance Ministry has announced that non-resident Indians (NRIs) can now open National Pension Savings (NPS) accounts online i.e. through eNPS if they have Aadhaar Card or Permanent Account Number (PAN) card. NPS are being regulated by the PFRDA , a regulator established by the Finance Ministry. What is the full form of PFRDA?
 (a) Pension Fund Regulatory and Department Authority
 (b) Pension Fund Regulatory and Development Authority
 (c) Pension Funding Regulatory and Department Authority
 (d) Pension Funding Regulated and Department Authority
 (e) None of these
- 199.** Prime Minister Narendra Modi outlined, the five-point charter for tax administrators, RAPID .The word RAPID 'P' denoted which of the following?
 (a) Personal (b) Profit (c) Permanent
 (d) Probitry (e) None of these
- 200.** Who has become the first-ever Indian to win the Mr. World title, recently?
 (a) Gautham Karthik (b) Rohit Khandelwal
 (c) Ajith Kuma (d) Puneeth Rajkumar (e) None of these

SOLUTIONS:**Directions (1-5):**

Days	Persons	Colour	Subject
Monday	P	Fulvous	Politics/ Portuguese
Tuesday	Q	Wenge	Performing Arts
Wednesday	M	Smaragdine	Physical Education
Thursday	N	Mikado	Politics / Portuguese
Friday	O	Coquelicot	Philosophy
Saturday	S	Eburnean	Psychology
Sunday	R	Xanadu	Performance Studies

1. (d)
 2. (c)
 3. (d)
 4. (b)
 5. (d)

Directions (6-10):

6. (c)
 7. (a)
 8. (c)
 9. (d)
 10. (c)
- 11.** (b) From second statement we can find out the number of boys in second half row.
 Hence second statement alone is sufficient to answer the question.
- 12.** (a) Using only first statement, we can say that Q is the best movie.
- 13.** (a) Only I is sufficient.
- 14.** (e) From first and second statement together, we can say that silk is coded as "de".
 Hence both the statements taking together are sufficient to answer the question.
- 15.** (d) It cannot be determined from both the statements that how many sisters S have.

Solutions (16-20):

16. (d)
 17. (e)
 18. (b)
 19. (c)
 20. (d)

Solutions (21-25):

Name of Employee	Department	Channel
L	Human Resource	ETV
E	Human Resource	TV5
F	Human Resource	TV9
G	Research & Development	NTV
J	Research & Development	HMTV
I	Research & Development	Samay
H	Accounting & Finance	Jaya Plus
K	Accounting & Finance	Time Now

21. (c)

22. (c)

23. (b)

24. (e)

25. (a)

Directions (26-30):

Input : 84 why sit 14 32 not best ink feet 51 27 vain 68 92

Step I : 14 84 why sit 32 not ink feet 51 27 vain 68 92 best

Step II : 27 14 84 why sit 32 not ink 51 vain 68 92 best feet

Step III : 32 27 14 84 why sit not 51 vain 68 92 best feet ink

Step IV : 51 32 27 14 84 why sit vain 68 92 best feet ink not

Step V : 68 51 32 27 14 84 why vain 92 best feet ink not sit

Step VI : 84 68 51 32 27 14 why 92 best feet ink not sit vain

Step VII: 92 84 68 51 32 27 14 best feet ink not sit vain why

26. (e)

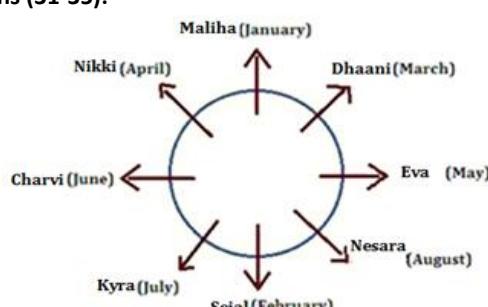
27. (d)

28. (b)

29. (c)

30. (a)

Directions (31-35):



31. (b)

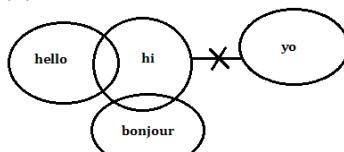
32. (d)

33. (b)

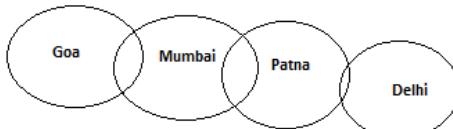
34. (c)

35. (b)

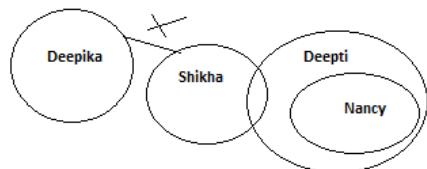
36. (d)



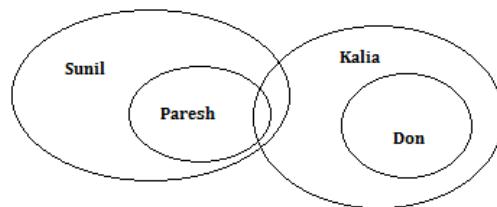
37. (c)



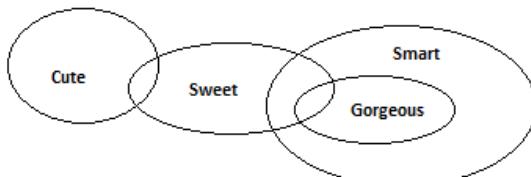
38. (d)



39. (c)



40. (b)



Directions (41-45):

41. (b) The government has decided to sell off its industrial units, because heavy loss was caused by corruption, inefficiency and red-tapism. Hence statement II is the cause and I is its effect.

42. (e) It can't be a better course of action to convert the Internet Cafe into Coffee Cafe. Also a new project at the place of internet cafe after diminishing it can't be a rational course of action. More investment in loss making project is also not rational without a strong strategy, and the 4th statement is illogical – not a good course of action.

43. (e) All the statements have the additional information which can't be generally assumed.

44. (d) To alert the dot centre can be a better course of action. Also to equip the TB Hospitals for the treatment is a right course of action. Hence both can be effective steps.

45. (b) From the statement II we can generally assume that the Indian banks have capacity to pay higher interest rate on NRI deposits.

Directions (46-50):

Floor	Person	Drink	Fast-Food
7	Q	Pepsi	Sandwich
6	P	Miranda	Bada-pao
5	U	Coca-Cola	Dosa
4	S	Frooti	Idali
3	T	Limca	Chicken Baguette
2	V	Thumps up	Burger
1	R	Sprite	Bread chaat

46. (b)

47. (b)

48. (d)

49. (c)

50. (d)

51. (e)

52. (a) $N \beta P \rightarrow N$ is the brother of P $P - L \rightarrow P$ is the sister of L

L + E → L is the mother of E

E - M → E is the sister of M.

Hence, L is the mother of M, P is the maternal aunt of M and N is the maternal uncle of M.

53. (a) P @ Q → P is the wife of Q - (i)

Q \$ T → Q is the brother of T - (ii)

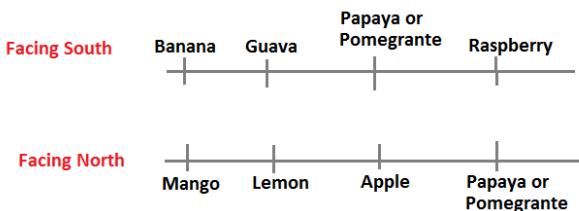
T # U → T is the daughter of U

Hence, → Q is the son of U - (iii)

U * W → U is the father of W.

From (i) and (iii), U is the father-in-law of P.

Directions (54-55):



54. (b)

55. (c)

56. (e) The passage suggests that at least in India. Diversifiable risk (monsoon risk) is not yet covered by the insurance companies. Hence, the word 'always' negates the possibility of the inference to be true.

57. (d) It is clearly given in the passage that scanty monsoon adversely affects the whole economy, i.e., its impact is felt by many people. Many of whom are probably not poor.

58. (a) It is clear from the sentence – 'For instance, India recordedrecent years.'

59. (e) Good monsoons only in alternate years could certainly not have brought years of good performance.

60. (b) Why are the international investors being considered being considered to provide the insurance risk to Indian?

Obviously, it has been assumed that they are not affected by the poor monsoons in India but it is not mentioned in the passage, so, it is probably true.

61. (e); M_2 Car Sold in

$$\text{City A} = 90000 \times 14.3\% \times \frac{7}{18} = 5005$$

Similarly in B = 8100

in C = 4968

in D = 5040

in E = 4536

in F = 3906

Total M_2 cars sold in all cities = 31555

62. (a); M_1 car sold in city D

$$= 9000 \times 16.8\% \times \frac{4}{9}$$

$$= 6720$$

M_1 car sold in city E

$$= 9000 \times 12.6\% \times \frac{2}{5}$$

$$= 4536$$

$$\text{Req. Difference} = 6720 - 4536$$

$$= 2184$$

63. (e); M_1 cars sold in City D

$$= 90000 \times 16.8\% \times \frac{4}{9}$$

M_3 car sold in city A

$$= 90000 \times 14.3\% \times \frac{4}{18}$$

$$\text{Req. \%} = \frac{90000 \times 16.8 \times \frac{4}{9}}{90000 \times 14.3 \times \frac{4}{18}} \times 100$$

$$= \frac{16.8 \times 4 \times 18}{14.3 \times 4 \times 9} \times 100$$

$$= 235\% \text{ (approx)}$$

$$64. (e); \frac{21.7}{16.2} \times 100$$

$$= 134\% \text{ (approx)}$$

Therefore 34% more

$$65. (b); \text{required ratio} = \frac{\frac{18.4\% \text{ of } 90000}{3\% \text{ of } 16.8\% \text{ of } 90000}}{23:7}$$

$$66. (e); \text{Required Answer} = \frac{30}{100} \left[\frac{35+27+28+26+32+34}{6} \right]$$

$$= \frac{30}{100} \times \frac{182}{6} = 9.1 \text{ billion}$$

$$67. (a); \text{Amount of garment produce in September} = 34 \times \frac{110}{100} \times \frac{28}{100} = 10.472$$

$$\text{Amount of garment produce in August} = 34 \times \frac{28}{100} = 9.52$$

$$\text{Increase in garment} = 10.472 - 9.52 = 0.952 \text{ billion}$$

$$68. (b); \frac{\frac{34 \times \frac{18}{100} - 35 \times \frac{12}{100}}{35 \times \frac{12}{100}} \times 100}{= \frac{612 - 420}{420} \times 100}$$

$$= 45.7\%$$

$$69. (e); \text{Required Number} = \frac{27 \times 12}{34 \times 30} = 0.30$$

$$70. (c); \text{Required Percent} = \frac{\frac{(28+12)\% \text{ of } 32}{(18+12)\% \text{ of } 35} \times 100}{= \frac{(40 \times 32 \times 100)}{30 \times 35}} \simeq 120\%$$

$$71. (c); 6^3 - 12, 5^3 - 10, 4^3 - 8, 3^3 - 6, 2^3 - 4, 1^3 - 2 \dots \dots \dots$$

$$72. (c); \times 2.5, \times 3, \times 3.5, \times 4 \dots \dots \dots$$

$$472.5 \times 4 = 1890$$

$$73. (d); \times 2 + 6, \times 2 + 10, \times 2 + 14, \times 2 + 18 \dots \dots \dots$$

$$(2290 \times 2) + 14 = 4594$$

$$74. (a); \times 2 + 2^2, \times 3 + 3^2, \times 4 + 4^2 \dots \dots \dots$$

$$(72 \times 3) + 3^2 = 225$$

$$75. (e); 1^3 + 1, 4^3 - 4, 2^3 + 2, 5^3 - 5, 3^3 + 3, 6^3 - 6^3 - 6 = 210$$

$$76. (c); 65x - 91y = -312$$

$$65x + 15y = 430$$

Solving equation, $y = +7, x = 5$

$x < y$

$$77. \text{ (b); } x^2 - 8x - 5x + 40 = 0$$

$$x(x - 8) - 5(x - 8) = 0$$

$$x = 5, 8$$

$$y^2 + 8y - 5y - 40 = 0$$

$$y(y + 8) - 5(y + 8) = 0$$

$$y = 5, -8$$

$x \geq y$

$$78. \text{ (d); } 8x^2 - 20x - 6x + 15 = 0$$

$$4x(2x - 5) - 3(2x - 5) = 0$$

$$x = \frac{3}{4}, \frac{5}{2}$$

$$2y^2 - 12y - 5y + 30 = 0$$

$$2y(y - 6) - 5(y - 6) = 0, y = \frac{5}{2}, 6$$

$x \leq y$

$$79. \text{ (d); } x = 22, -22$$

$$y^2 - 22y - 23y + 506 = 0$$

$$y(y - 22) - 23(y - 22) = 0$$

$$y = 22, 23$$

$x \leq y$

$$80. \text{ (e); } x = 13$$

$$y = 13$$

$x = y$

$$81. \text{ (d) (A + B) per day work} = \frac{1}{12} + \frac{1}{8} = \frac{5}{24}$$

No. of days in which A and B together can do the work = $\frac{24}{5}$

$$\text{Time taken by C} = \frac{4}{5} \times \frac{24}{5} = \frac{96}{25}$$

$$\text{C per day work} = \frac{25}{96}$$

$$\text{Work done A and B in 3 days} = \frac{3 \times 5}{24} = \frac{5}{8}$$

$$\text{Work done by C} = 1 - \frac{5}{8} = \frac{3}{8} = \frac{36}{96}$$

$$\text{No of days C worked} = \frac{36}{96} = 1\frac{11}{25} \text{ days.}$$

$$82. \text{ (a); C.P. for A} = 4860 \times \frac{100}{(100-19)} = 6000$$

$$\text{S.P. with 17% profit for A} = 6000 \times \frac{(100+17)}{100} = 7020$$

$$\text{B's gain} = 7020 - 4860 = 2160$$

$$83. \text{ (a); } A + B = 40$$

$$C + B = 38$$

$$A + C = 42$$

$$A = 22, B = 18, C = 20 \text{ year}$$

$$84. \text{ (c); Let total number of voters} = x$$

$$\text{Voters who cast their votes} = 0.75x$$

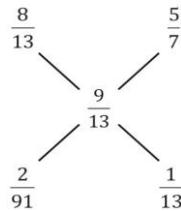
$$\text{Valid votes polled} = 0.98 \times 0.75x$$

$$\text{Valid votes polled for a candidate}$$

$$9261 = 0.98 \times 0.75 \times 0.75 \times x$$

$$x = 16800$$

85. (d);



or 2 : 7

86. (d); Let distance between A and B = x km

$$\text{Distance covered by A till 8 am} = \frac{x}{4} \text{ km}$$

$$\text{Distance remaining} = \frac{3}{4}x$$

$$\text{how A and B will complete the distance in} = \frac{\frac{3}{4}x}{\frac{x}{4} + 3.5} = \frac{7}{5}$$

hours or 84 minutes

so they will meet at 9 : 24

$$87. \text{ (a); } \frac{5 \times 8}{6 \times m} = \frac{5}{9}, m = 12$$

So capital of y was used for 12 months

$$88. \text{ (c); } 800 + \frac{800 \times 12 \times T}{100} = 910 + \frac{910 \times 10 \times T}{100}$$

$$T = 22 \text{ years}$$

89. (a); Let the sum = Rs. 100

$$\text{SI for 2 years} = \frac{100 \times 2 \times 5}{100} = \text{Rs. 10}$$

$$\text{CI for 2 years} = 100 \left(1 + \frac{5}{100}\right)^2 - 100 = \text{Rs. 10.25}$$

Difference = 0.25

But actual difference = Rs. 25

$$\text{So actual sum} = \frac{25}{0.25} \times 100 = \text{Rs. 10000}$$

90. (c); Let MP = x

$$SP = \frac{1}{2}x$$

$$CP = \frac{10}{18}x \text{ or } \frac{5}{9}x$$

91. (a); Option (a) is indeed the key argument that the author is making. Option (b) is extremely close and confusing. However, you should realize is that the option goes further than what the author is saying. Option (c) is the premise, not the argument. Option (d) is irrelevant answer.

92. (c); Option (c) is correct choice. Option (b) is a clearly stated cause and effect fact. Hence, cannot be an inference about the author's opinion. Thus, it is not the correct answer. Option (c) is indeed the author's opinion. Throughout the passage, he has adopted a strategy of stating the reasons for being complacent with respect to some facts and then he goes on to ask us not to be so complacent. Further, the opinion the author holds about the oil prices, is clearly stated in the last paragraph's last sentence.

93. (c); Option (c) is correct choice, since this according to the author, is what has led to the belief. Clearly stated in the fourth last paragraph. Option (a) uses a connection between 'growth in western economies' and 'shocks of increased indebtedness and inflated asset prices'. There is no logical connection defined in the passage between these two factors. Option (b) and (d) both are irrelevant options.
94. (b); Option (b) is correct choice. Throughout the passage, the author has explained the term 'Edwardian Summer' explaining the complacency that has set into the people due to all round prosperity. Option (d) does not fit in with the term Edwardian. Option (a) is not correct choice. The author has never referred to unparalleled luxury and opulence.
95. (e); All the given three statements are true as per the passage. Hence, (e) is the correct option.
96. (d); **Sack** means dismiss from employment. So, dismiss is the correct word which is similar in meaning to it.
97. (d); **Epoch** means a period of time marked by certain characteristics. So, Era is the correct word which is similar in meaning to it.
98. (c); **Squint** means a quick or casual look. So, glimpse is the correct word which is similar in meaning to it.
99. (a); **Unfettered** means not confined or restricted. So, restricted is the correct word which is opposite in meaning to it.
- 100.(d); **Stupendous** means extremely impressive. So, ordinary is the correct word which is opposite in meaning to it.

For questions (101-105): The correct sequence is FCADGBE.

- 101.(e); F
- 102.(c); C
- 103.(a); A
- 104.(c); G
- 105.(b); E
- 106.(a); 'frugality... Escheated' is the correct use.
Frugality- the quality of being economical with money or food.
Escheated- is the transfer of title of property or an estate to the state when an individual dies without a will.
- 107.(a); 'permutable... habitude' is the correct use.
Permutable- able to be changed or exchanged.
Habitude- a habitual tendency or way of behaving.
- 108.(b); 'malevolent, thwart' is the correct use.
Malevolent- having or showing a wish to do evil to others.
Thwart- prevent (someone) from accomplishing something.
- 109.(c); 'transformed, emanates' is the correct use.
Emanates- issue or spread out from (a source).
- 110.(b); 'affection, alleviate' is the correct use.
Alleviate- make (suffering, deficiency, or a problem) less severe.
- 111.(b);Replace 'for' by 'of'.

- 112.(c);Replace 'alike' by equally'.
113.(b);Replace 'on' by 'over'.
114.(b);Use 'for' in place of 'in'.
115.(d);Use 'for' in place of 'since'.
116.(d) 117.(c) 118.(d) 119.(a) 120.(d)

Q.	Ans.	Q.	Ans.	Q.	Ans.	Q.	Ans.
121	b	141	b	161	b	181	e
122	d	142	b	162	a	182	e
123	a	143	c	163	b	183	a
124	c	144	d	164	c	184	c
125	a	145	c	165	d	185	b
126	d	146	d	166	a	186	c
127	e	147	a	167	c	187	c
128	c	148	e	168	a	188	c
129	d	149	c	169	b	189	d
130	b	150	d	170	e	190	a
131	d	151	c	171	d	191	b
132	e	152	a	172	a	192	d
133	e	153	d	173	c	193	d
134	b	154	a	174	e	194	c
135	e	155	a	175	b	195	b
136	e	156	d	176	a	196	c
137	d	157	b	177	c	197	a
138	d	158	d	178	b	198	b
139	a	159	b	179	d	199	d
140	c	160	d	180	b	200	b




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REASONING

Directions (1-4): Each of the questions given below consists of a question and two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question.

- (a) If Statement I alone is sufficient, but Statement II alone is not sufficient to answer the question.
- (b) If Statement II alone is sufficient, but Statement I alone is not sufficient to answer the question.
- (c) If both statements taken together are sufficient to answer the question, but neither statement alone is sufficient.
- (d) If each statement alone is sufficient.
- (e) If Statements I and II together are not sufficient, and additional data is needed to answer the question.

1. In a hockey match between India and Korea, the Indian team was behind by 2 goals with 5 minutes remaining. Did they win the match?

- I. Deepak Thakur, the Indian striker scored 3 goals in the last 5 minutes of the match.
- II. Korea scored a total of 3 goals in the match.

2. Each packet of SOAP costs Rs. 10. Inside each packet is a gift coupon labelled with one of the letters S, O, A, and P. If a customer submits four such coupons that make up the word SOAP, the customer gets a free SOAP packet. Ms. X kept buying packet after packet of SOAP till she could get one set of coupons that formed the word SOAP. How many coupons with label P did she get in the above process?

- I. The last label obtained by her was S and the total amount spent was Rs. 210.
- II. The total number of vowels obtained was 18.

3. Four students were added to a dance class. Would the teacher be able to divide her students evenly into a dance team (or teams) of 8?

- I. If 12 students were added, then the teacher could put everyone in teams of 8 without any leftovers.
- II. The number of students in the class is currently not divisible by 8.

4. How many students among A, B, C and D have passed the examination?

- I. The following is a true statement: A and B passed the examination.
- II. The following is a false statement: One among C and D has passed the examination.

5. In the given problem, there is one question and three statements I, II and III given below the question. You have to decide whether the data given in the statements is sufficient to answer the question. Read all the statements carefully and find which of the statements is/are sufficient to answer the given question. Choose the correct alternative in the given

question.

In a certain code, 'XYZ' means 'We are friends'. Which letter stands for 'We'?

Statements:

- I. 'PYN' means 'They are classmates'.
 - II. 'ZMS' means 'We love them'.
 - III. 'PX' means 'Hello friends'.
- (a) Only II
 - (b) Only I and III
 - (c) All I, II and III
 - (d) Either I only or II only
 - (e) None of these

Directions (6-10): Study the following information carefully and answer the questions given below:

Edward and his family live in a house. There are nine members in the family i.e. Edward, Daniel, Helen, Denise, Emily, Alan, James, Henrich and Alfred. Each person likes different colours viz. Brown, Red, Black, White, Blue, Violet, Yellow, Green and Purple. The relation of Edward with the members is defined as Father, Mother, Brother, Sister, Wife, Daughter, Son, and Brother-in-law but not in the same order. All the family members are seated at a circular table, but not necessarily in the same order. Some of them face the centre while others face outward.

Alfred is brother of Edward's daughter. Edward's brother is seated on the immediate right of the brother of Edward's sister and the two face the same direction. Alfred's father likes Red colour. Henrich has a sister. The mother of Edward's son is Emily and sits second to the left of the married son of Edward's father. Alan's daughter-in-law likes Purple colour. Edward faces outward. Alan is a male. Edward's father sits third to the right Edward's daughter. Either Alfred or Henrich sits third to the left of the mother of Helen, but both Alfred and Henrich face the same direction. Edward's brother and sister likes Black and Brown colour respectively. James is not father of Henrich. In two generations, the members of the same generation are sitting immediate next to each other and face the same direction. Edward's father does not like Green and Yellow colour. Alan's grandson likes White colour. Daniel is a female and of the same generation as of Edward. James sits on the immediate left of the granddaughter of Edward's father. The one, who is the wife of Alan likes Yellow colour. Edward's brother-in-law neither likes Green colour nor blue colour. Edward's father doesn't sit immediate next to his children. James is facing the centre and is second to the right of Edward. Daniel sits second to the left of Alan. No three members seated together can face the same direction.

6. How is Daniel's husband related to Edward's father?

- (a) Brother
- (b) Father
- (c) Son
- (d) Grandson
- (e) Son-in-law

7. Who sits third to the right of Edward's mother?

- (a) Daniel
- (b) Henrich's brother-in-law
- (c) Edward's brother-in-law
- (d) Emily's husband
- (e) Both (b) and (c)

8. Who among the following sits exactly between Edward and his wife?
 (a) Alan (b) Edward's sister
 (c) Edward's daughter (d) Denise
 (e) None of these
9. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?
 (a) Daniel (b) Edward
 (c) Edward's mother (d) Edward's daughter
 (e) Emily
10. Which of the following persons faces inside?
 (a) Daniel, James, Alan and Alfred.
 (b) Edward, James, Denise and Alfred.
 (c) James, Denise, Edward's father and James's wife.
 (d) Denise, James, Daniel and Helen.
 (e) None of these
- Directions (11-15):** Study the following information carefully and answer the questions given below:
- Eight friends A, B, C, D, E, G, H and J live on eight different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered 1 and the topmost floor of the building is numbered 8. The DOB of each of the persons falls in different months i.e. March, April, May, June, July, August, September and October, but not necessarily in the same order. All persons like different types of fruits i.e. Guava, Apple, Grapes, Mango, Banana, Pineapple, Litchi and Orange but not necessarily in the same order.
- The one whose DOB is in August does not live on an odd-numbered floor and does not like Apple & Litchi. J lives just below the one whose DOB is in October. The one who lives on Third floor likes Guava. The one whose DOB is in April lives on an even-numbered floor but not on the topmost floor and likes either Orange or Pineapple. Only one person lives between G and the one whose DOB is in July. The one who likes Banana lives immediate above the floor in which J lives. E likes Litchi. The one whose DOB is in June lives on an even numbered floor and lives just above the person whose DOB is in October. C's DOB is not in July or October. The persons (who likes Apple, Mango, Orange and Grapes) lives on even numbered floor. The one who likes Grapes lives below the one who likes Mango. Only two persons live between the one whose DOB is in August and the one whose DOB is in March. D's DOB is not in September. Only two persons live between G and the one whose DOB is in April. Neither E nor C lives on the first floor. Only one person lives between C and the one whose DOB is in May. A lives just above G. Only two persons live between E and A. The one whose DOB is in July does not live on floor number one. A does not like Grapes or Mango. B lives on an even-numbered floor and just above C.
11. How many persons live between the person whose DOB is in September and the one who likes Apple?
 (a) Six (b) Two (c) Four
 (d) Five (e) None of these
12. Which of the following fruits does D like?
 (a) Guava (b) Pineapple (c) Banana
- (d) Litchi (e) Grapes
13. Four of the following five are alike in a certain way and hence form a group. Which one of the following does not belong to that group?
 (a) June (b) Grapes (c) April
 (d) Banana (e) Mango
14. Which of the following statement is true?
 (a) B's DOB is in April and lives on the 5th floor.
 (b) H's DOB is in May and lives on the first floor.
 (c) The one whose DOB is in October lives on the 6th floor.
 (d) E lives on floor numbered five and likes Litchi.
 (e) G lives on floor numbered seven and likes Mango.
15. J is related to Orange in the same way as G is related to Litchi. Which of the following is B related to, following the same pattern?
 (a) Guava (b) Pineapple (c) Mango
 (d) Apple (e) Grapes
- Directions (16-20):** Study the following information carefully and answer the given questions.
- A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement (All the numbers are two digit numbers)
- Input : 29 own 18 down 37 13 low early 46 pick 26 again**
- Step I : again 42 29 own 18 down 13 low early 46 pick 26**
- Step II : again 42 early 34 own 18 down 13 low 46 pick 26**
- Step III: again 42 early 34 own 18 18 down low 46 pick 26**
- Step IV : again 42 early 34 own 18 pick 13 down low 46 26**
- Step V : again 42 early 34 own 18 pick 13 low 21 down 46**
- Step VI : again 42 early 34 own 18 pick 13 low 21 down 41**
- Step VI is the last step of the above arrangement.**
- As per the rules followed in the steps given above, find out in each of the following questions the appropriate step for the given input.
- Input: 28 upon 19 flow 41 38 ice melt 16 eat cream 31 quick**
16. Which word/number would be at the fifth position from right end in step IV?
 (a) 11 (b) flow (c) quick
 (d) 28 (e) upon
17. Which of the following would be step III?
 (a) eat 46 ice 36 upon 24 28 flow 38 melt 16 quick cream
 (b) eat 46 ice 36 upon 24 28 flow 38 melt 16 cream quick
 (c) eat 46 ice 36 upon 24 quick 11 28 flow 38 melt cream
 (d) eat 46 ice 36 upon 24 quick 11 melt 23 flow 38 cream
 (e) None of these
18. Which step number should be the following output? "eat 46 ice 36 upon 24 quick 11 melt 23 flow cream 38"
 (a) Step III (b) Step IV (c) Step V
 (d) Step VI (e) There will be no such step
19. Which word/number would be at the 7th position from left end in step III?
 (a) flow (b) 38 (c) 28
 (d) 24 (e) melt
20. How many steps are required to get the final output?
 (a) 3 (b) 4 (c) 5
 (d) 6 (e) 7

Directions (21-25): Study the following information carefully and answer the questions given below:

At a recent International award function, five persons A, B, C, D and E participated. Every

Person observed some languages i.e. English, Portuguese, French, Spanish and Italian, but not necessarily in the same order. Each person belongs to some countries viz.- Italy, Japan, France, London and Britain.

The following statements are:

- I. The only common language between C and E is Italian.
- II. A does not belong to Italy or Britain.
- III. Three persons can speak Portuguese.
- IV. The most common language is Spanish.
- V. D belongs to France. B and C speak English. Although when D joined them, they all changed to Spanish, the only common language among the three of them.
- VI. C belongs to either London or Italy.
- VII. The one who belongs to London cannot speak only French.
- VIII. The only common language among A, B and E is French.
- IX. The one who belongs to Britain could speak only Italian and French languages.
- X. Each one of the five persons A, B, C, D and E knows either one, two, three, four or five languages (but not in the same order).

21. D does not speak which of the following languages?

- | | | |
|---------------------|-----------------------|--------------------|
| I. French | II. Italian | III. Portuguese |
| (a) Only I | (b) Only I and II | (c) Only I and III |
| (d) Only II and III | (e) All I, II and III | |

22. A speaks which of the following languages?

- | | | |
|---------------------|-----------------------|--------------------|
| I. French | II. Italian | III. Portuguese |
| (a) Only I | (b) Only I and II | (c) Only I and III |
| (d) Only II and III | (e) All I, II and III | |

23. Which of the following person belongs to Italy?

- | | | |
|-------|-------|-------|
| (a) D | (b) E | (c) B |
| (d) C | (e) A | |

24. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?

- | | | |
|-----------|-------------|------------|
| (a) Japan | (b) France | (c) London |
| (d) Italy | (e) Britain | |

25. In which of the following languages could not spoke by E?

- | | | |
|-------------------|-------------------|---------------|
| I Italian | II French | III Spanish |
| IV English | V Portuguese | |
| (a) I, II and IV | (b) II and V | (c) III and V |
| (d) III, V and IV | (e) None of these | |

Directions (26-27): Each question given below consists of a statement, followed by three or four arguments numbered I, II, III and IV. You have to decide which of the arguments is/are 'strong' (arguments) and which is/are 'weak' (arguments) and accordingly choose your answer from the alternatives given below each question.

26. **Statement:** A record of sort was created after the UP government, which advertised for 368 posts of peon in secretariat, got 23 lakh responses. The minimum qualification for the post of peon is that the applicant should be a class five

pass out and know how to ride a bicycle. Grabbing the opportunity, opposition parties in unison attacked the SP-led state government over its promise of providing employment to youths in the state. Of the total 368 posts, 268 are for general category and the rest are for SC, ST and other reserved categories in the age group of 18 to 40 years. "When we categorized the applications viz. a qualification, we were surprised to find that 255 doctorates have applied for the job", a senior secretariat administration official said.

Should people with educational qualification higher than the optimum requirements be debarred from seeking jobs?

Arguments:

- I. No, It will further aggravate the problem of educated unemployment.
 - II. Yes, It creates complexes among employees and affects the work adversely.
 - III. No, This goes against the basic rights of the individuals.
 - IV. Yes, This will increase productivity.
- (a) Only I and III are strong (b) All are strong
 (c) Only II and IV are strong (d) Only III is strong
 (e) None of these

27. **Statement:** Sociologists and political observers are of the opinion that making education qualification mandatory for election candidates would be discriminatory since that would naturally deprive citizens of India the right to represent their people. Institutional qualification, as they say, is different from political acumen and wisdom. In a country like India where about a quarter of 815 million eligible voters are illiterate, it would not be prudent to deny a politically aware and socially conscious individual the election ticket just because he/she doesn't have a minimum qualification.

Should "literacy" be the minimum criterion for becoming a voter in India?

Arguments:

- I. No, Mere literacy is no guarantee of political maturity of an individual.
 - II. Yes, Illiterate people are less likely to make politically wiser decisions of voting for a right candidate or party.
 - III. No, Voting is the constitutional right of every citizen.
- (a) None is strong (b) Only I and II are strong
 (c) Only III is strong (d) Only II and III are strong
 (e) All are strong

Directions (28-32): Read the following information carefully and answer the given questions:

Eight family members Vijendra Thakur, Chinmay Choudhary, Malkhan Pehlwan, Gabbar Pehlwan, Hanshal Choudhary, Samsher Pehlwan, Faluka Devi and Nathu Singh are fan of three different actors: Salman Khan, John Abraham and Sanjay Dutt. Out of these, two are female and have different specializations. Two among all of them are specialists in Shooting, two in Wrestling, two are Sarpanch and one each is a Businessman and a Boxer. Gabbar Pehlwan, who is fan of Salman

khan has specialized in Wrestling and her wife Faluka Devi, a Shooter is fan of Sanjay Dutt. Nathu Singh, who is son of wife of Gabbar Pehlwan is a Wrestler. Samsher Pehlwan has same specialization as Chinmay Chodhary, a Sarpanch who is the cousin of Nathu Singh and is not a fan of John Abraham. Malkhan Pehlwan, Grandfather of Nathu Singh is not a Boxer. The persons who have same specialization are not the fan of same actors. Samsher Pehlwan who is son of Gabbar Pehlwan is a Sarpanch, who is fan of John Abraham and Vijendra Thakur who is brother in law of Faluka Devi is Shooter and is fan of Salman Khan, and among all family members only two members are there who are fan of Salman Khan. Not more than three of them are fan of Sanjay Dutt. No female is Businessman or Boxer. Neither Businessman nor Boxer is the fan of Sanjay Dutt.

28. Wrestlers are fan of which two actors?

- (a) Salman Khan and John Abrahram
- (b) John Abrahram and Sanjay Dutt
- (c) Salman Khan and Sanjay Dutt
- (d) Data inadequate
- (e) None of these

29. Who is the Boxer?

- (a) Melkhan Pehlwan (b) Hanshal Choudhary
- (c) Nathu Singh (d) Data inadequate
- (e) None of these

30. Who is grandfather of Samsher Pehlwan?

- (a) Gabbar pahlwan (b) Vijendra Thakur
- (c) Nathu Singh (d) Can't be determined
- (e) None of These

31. Which of the following is the speciality of Malkhan pahlwan?

- (a) Sarpanch (b) Shooter (c) Boxer
- (d) Businessman (e) None of These

32. How is Chinmay Choudhary related to Gabbar Pehlwan?

- (a) Niece (b) Cousin (c) Mother
- (d) Can't be determined (e) None of These

Directions (33-37): Study the following information carefully and answer the questions given below:

Seven specialist doctors M, N, O, P, Q, R and S visit a polyclinic on four days—Tuesday, Wednesday, Friday and Saturday—in a week. At least one doctor but not more than two doctors visit the polyclinic on each of these days. Each of them is a specialist in different fields—Cardiology, Dermatology, Urology, Pathology, Geriatrics, Radiology and Endocrinology.

- (i) P visits on Friday with Radiologist.
- (ii) The Urologist does not visit on Saturday nor with Q and S.
- (iii) The Endocrinologist R visits alone on Tuesday.
- (iv) N visits on Wednesday and he is not Urologist.
- (v) O visits on Wednesday. S is not Radiologist.
- (vi) The Urologist visits with the Cardiology specialist.
- (vii) The Pathologist visits on Friday.
- (viii) M is neither Dermatology nor Radiologist.

33. What is the speciality of M?

- (a) Geriatrics (b) Cardiology (c) Urology

- (d) Data inadequate (e) None of these

34. On which day of the week do Q and Cardiology specialist visit?

- (a) Wednesday (b) Saturday
- (c) Wednesday and Saturday
- (d) Friday and Saturday (e) None of these

35. Who among them visits the polyclinic along with M?

- (a) None (b) S (c) Q
- (d) P (e) Either S or P

36. On which of the following days do the specialists in Dermatology and Geriatrics visit?

- (a) Tuesday (b) Wednesday (c) Saturday
- (d) Data inadequate (e) None of these

37. What is P's profession?

- (a) Urology (b) Cardiology (c) Geriatrics
- (d) Data inadequate (e) None of these

38. Statement: The biggest story of this Budget is a major change in the way the Union Government spends its money. Earlier this week, Finance Minister Arun Jaitley announced that the government had accepted the recommendations of the 14th Finance Commission and raised the States' share in the net proceeds of union tax revenues from 32 per cent to 42 percent. With more of its pie going directly to States to spend as they like, the Union Government would begin reducing its allocations to the State plan and wind up some Centrally Sponsored Schemes. The Central Government has directed the State Governments to reduce government expenditure in view of the serious resource crunch and it may not be able to sanction any additional grant to the states for the next six months.

Assumptions:

I. The State Governments are totally dependent on Central Government for its expenditures.

II. The Central Government has reviewed the expenditure account of the State Government.

III. The State Governments will abide by the directives of the central Government.

You have to assume everything in the statement to be true, and then decide which of the three given suggested assumptions logically follows.

- (a) None is implicit (b) Only II and III are implicit
- (c) Only III is implicit (d) All are implicit
- (e) None of these

39. Statement: As transporters nationwide strike entered the fifth day, industry chamber Assocham said prices of essential commodities such as fruits, vegetables and milk may increase by up to 15 per cent if the stir continues. Besides, the strike has adversely impacted the government's revenue to the tune of Rs. 36 crore. "With over one crore trucks and tempos on strike since the past few days, it has led to shortage of essential commodities like milk, fruits and vegetables and their costs are likely to increase by about 10-15 per cent per day if the strike continues".

Courses of Action:

I. The transporters' association should be ordered by the government to immediately withdraw strike call or else they will face severe consequences.

II. The government should immediately make alternative arrangements to ensure adequate supply of essential commodities in the market.

III. The government should immediately declare the strike illegal and put all those responsible for the strike behind the bars.

You have to assume everything in the statement to be true, and then decide which of the three given suggested courses of action logically follows for pursuing.

- (a) Only I and II follow (b) Only II and III follow
(c) Only I and III follow (d) All follow
(e) None of these

40. The power distribution companies (Discos) are set to conduct 12-hour load shedding in urban areas during summer season as the gap between electricity demand and generation is expected to exceed 7,000MW after mid of April. The loadshedding in rural areas would be more than 14 hours in scorching heat, they said quoting the Discos' report sent to the Ministry of Water and Power on expected power cuts. The electricity demand is considered to touch more than 21,000MW after a month, but its generation from hydel, thermal and IPPs components would remain below 15,000MW which includes around 6,000MW from hydel and 9,000MW from Wapda-owned Gencos (generation companies) and private IPPs (independent power producers).

In the given question, two statements numbered I and II are given based on the given passage. There may be cause and effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements in each question based on the given passage and mark your answer as-

Statements:

I. Rural areas in the country have been suffering due to load shedding for quite some time.

II. If the Government is not able to overcome the power crisis, load shedding will be extended even to the urban areas.

- lead smogging will be extended even to the urban areas.

 - (a) If statement I is the cause and statement II is its effect
 - (b) If statement II is the cause and statement I is its effect
 - (c) If both the statements I and II are independent causes
 - (d) If both the statements I and II are effects of independent causes and
 - (e) If both the statements I and II are effects of some common cause

Directions (41-45): Study the following information given below, answer the following questions.

Naoki Okumura, Naoto Kan, Nikolai Nikiforov, Nripendra Misra, Nisar Ali Khan and Nicky Morgan are six head of the different space agencies viz. –ROSCOSMOS, ISRO, JAXA, SUPARCO, CNSA and ESA but not necessarily in the same order. Each agency has launched the different Satellite or missiles, viz. Recovery satellite, Reconnaissance satellite, Tactical Ballistic Missile, Theatre Ballistic Missile, Tether Satellite and Research Satellite but not necessarily in the same order.

The head of all agencies are sitting around a circular table facing

the Centre. The persons who have given their guidance for the launching of Theatre Ballistic Missile, Tactical Ballistic Missile and Tether Satellite are neither from ESA nor from ROSCOSMOS.

The persons who are from SUPARCO and ISRO have given their guidance neither for Theatre Ballistic Missile nor for Research Satellite. Naoki Okumura is neither from ESA nor sits on the immediate left of the person who has given the guidance for the launching of Reconnaissance satellite. The only person, who is between Nisar Ali Khan and Nicky Morgan, has given the guidance for the launching of Recovery satellite. The person who is on the left side of the person from ESA has not given the guidance for the launching of Research Satellite. Nripendra Misra has given the guidance for the launching of Reconnaissance satellite and is from ISRO. He is facing the person who has given the guidance the launching of Recovery satellite.

One who has given the guidance for the launching of Theatre Ballistic Missile is sitting opposite the person from CNSA, while the person from ISRO is on the left of the person who has given the guidance for the launching of Tether Satellite.

One who has given the guidance for the launching of Research Satellite is on the immediate right of the person from ESA but on the left of the person who has given the guidance for the launching of Tactical Ballistic Missile. Nikolai Nikiforov has not given the guidance for the launching of Tactical Ballistic Missile and Nicky Morgan has not given the guidance for the launching of Theatre Ballistic Missile.

41. One who has given the guidance for the launching of Theatre Ballistic Missile is

- (a) On the immediate left of the person from SUPARCO
(b) On the immediate right of the person from ESA
(c) On the opposite of the person from CNSA
(d) On the opposite of the person who has given the guidance for Tactical Ballistic Missile
(e) Both (c) and (d)

42. Who is sitting on third to the left of second to the right of the person from SUPARCO?
(a) Naoki Okumura (b) Naoto Kan (c) Nikolai Nikiforov
(d) Nripendra Misra (e) None of these

43. The person who is between Nisar Ali Khan and Nripendra Misra is
(a) Second to the left of the person from Roscosmos
(b) Second to the right of the person from ESA
(c) Fourth to the left of the person from CNSA
(d) Second to the right of the person who has given the guidance for Research Satellite
(e) None of these

44. Who has given the guidance for the launching of Reconnaissance satellite?
(a) The person who is sitting to the immediate left of Naoto Kan
(b) The person who is sitting to the immediate right of Naoki Okumura
(c) The person who is sitting opposite to the person who has given the guidance for the launching of Recovery satellite
(d) The person from ESA
(e) None of these

45. Who is sitting on the immediate right of the one who has given the guidance for the launching of Research Satellite?
- Naoto Kan
 - Nicky Morgan
 - Nisar Ali Khan
 - Nripendra Misra
 - None of these

Directions (46-50): Read the following passage and answer the given questions according to the passage:

Brexit is an abbreviation of "British exit" which is used to explain a possibility of UK coming out of EU. It is a word that used as a shorthand way of saying the UK leaving the EU - merging the words Britain and exit to get Brexit. So basically, it's the issue of whether Britain should exit the European Union or not — a question that will be decided in a historic referendum on June 23.

A referendum is basically a legal mechanism for voters in which everyone (or nearly everyone) of voting age can take part, normally giving a "Yes" or "No" answer to a question. Whichever side gets more than half of all votes cast is considered to have won. So we can say that here in the case of Brexit the referendum which is going to happen on 23rd of June will be the decision maker for the future of Britain. Britain could have a new prime minister by early September as David Cameron started laying the groundwork for his successor to trigger the country's exit from the European Union. The government is under pressure to fill a vacuum left when Cameron announced he would resign by October after Britain ignored his advice and voted to leave the 28-member bloc in last week's referendum. Presently EU is a block of 28 countries and 19 countries have formed EURO ZONE. We can say that the European Union is an economic and political union of 28 countries where each of the countries within the Union is independent but they agree to trade under the agreements made between the nations. If the global financial markets are affected by the Brexit, Indian markets are unlikely to be insulated. Indian companies will have to address two markets separately adding to costs.

Indian companies having the base in Britain will have a smaller domestic market, rest of EU will become an unprotected export market. The Money will move out of Britain and will affect currencies including INR (Euro will weaken and Dollar will strengthen) and in turn, affect the global economy.

46. In the given question, two statements numbered I and II are given based on the given passage. There may be cause and effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements in each question based on the given passage and mark your answer as-

- If statement I is the cause and statement II is its effect
- If statement II is the cause and statement I is its effect
- If both the statements I and II are different causes
- If both the statements I and II are effects of independent causes
- If both the statements I and II are effects of some common cause

Statements: I. The EU expanded to include post-communist countries in the mid-2000s, and people in those countries were poorer. Many of their citizens immigrated to wealthier countries-like the United Kingdom.

II. The 2008 market crash hit some European countries especially hard. When people from those countries couldn't find a job at home, their citizens went to find jobs in other countries-like the United Kingdom.

47. What could be the **positive effects** of Britain leaving the European Union?

(i) Living standards of British would fall, inflation would rise in the UK and British economy might be plunging in to recession by 2017.

(ii) It will boost the voices raised for exit from EU in other countries like France, Germany, the Netherlands and Denmark.

(iii) In the past couple of years a lot of migrants have been coming from Asia and Africa to Europe, which has increased the stress on public services and cultural incompatibility since free movement is a key idea of the EU. Now, they have full control on its borders.

(iv) Britain's membership in the EU bound it to many rules of business and charged billions of pounds as annual membership fee. Now, they don't have any such type of restrictions and bound.

- All of the above
- All except (ii)
- Only (ii), (iii) and (iv)
- All except (i) and (ii)
- None of these

48. What is the **impact** of Brexit on Indian Economy?

(a) Brexit could open up new trading opportunities with Britain. India and UK can sign Bilateral as well as Free Trade Agreement.

(b) Brexit may create recession risks that could dent IT demand further, hurting revenue growth forecast for the UK business of the Indian IT companies in FY17.

(c) Indian companies intending to leverage the UK as a base to gain access into EU markets might face some hurdles by imposition of trade barriers, scrapping of preferential rates and higher taxes between UK and rest of the EU.

(d) It would cause a fall in euro, which would impact on currencies like renminbi. Although the rupee and dollar as its primary anchor, some element of volatility can be expected.

- All of the above.

49. Should Britain exit from EU?

(i) No, UK's EU membership helps it to sell its products to other EU member countries easily; the influx of keen-to-work migrants from the European countries helps in economic growth and provides resources for public services.

(ii) Yes, Britain's membership in the EU bound it to many rules of business and charged billions of pounds as annual membership fee.

Which of the following arguments holds strong?

- Only (i)
- Only (ii)
- Either (i) or (ii)
- Neither (i) nor (ii)
- Both (i) and (ii)

50. Which of the following **cannot be postulated** from the given passage?

(i) Brexit would make the UK a less attractive investment location for firms intending to sell to other EU markets from their UK facility.

- (ii) Brexit would trigger shock waves not only for the UK but also for the EU and the global economy.
 (iii) Trade barriers between the UK and the remaining EU members were erected upon exit and it would affect the exports and decrease trade deficit of the UK.

- (a) None of the above (b) Only (i) and (ii)
 (c) Only (ii) and (iii) (d) Only (ii) (e) Only (iii)

QUANTITATIVE APTITUDE

Directions (51-55) : Study the following information carefully and answer the questions that follow.

Two colleges A and B have a total of 1450 students studying in different departments of each college. 255 students study in engineering departments of both colleges. The students in engineering department in college B are 59 more than the students in engineering department in college A. The number of commerce students in college B is 5 less than the number of engineering students in the same college.

The ratio of science and art students in college B is 33 : 16, 147 students study in management department of college B. $17\frac{6}{7}\%$ of the students of college A study in arts department. The difference between commerce students and science students of college A is 29 (commerce students are less than art students). 74 students of college A study in management department $48\frac{8}{29}\%$ of the total students of both colleges, study in college A.

51. What is the total number of arts students of both colleges?

- (a) 221 (b) 217 (c) 225
 (d) 229 (e) None of these

52. Total number of commerce students of both colleges forms what percent of total number of students of both colleges?

- (a) 21.38% (b) 21.48% (c) 23.38%
 (d) 25.38% (e) 25.48%

53. What is the ratio of number of commerce students of college B to the number of science students of college A?

- (a) 19 : 21 (b) 21 : 19 (c) 27 : 19
 (d) 19 : 27 (e) None of these

54. In which department in college B, the number of students is 2nd lowest?

- (a) Engineering (b) Commerce (c) Arts
 (d) Science (e) Management

55. The number of management students of college B is approximately what percent more than the number of students in the same departments in college A?

- (a) 84% (b) 99% (c) 95%
 (d) 78% (e) 105%

Directions (56-60) : The following table shows the medal tally of the top 10 countries in the 15th Asian games, 2006. Study it carefully and answer the following questions :

Countries↓	Gold	Silver	Bronze
China	151	108	83
Republic of Korea	79	71	84
Japan	47	76	77
Kazakhstan	28	33	33
Iran	21	18	18
Thailand	12	7	28
DPR Korea	11	11	14
India	11	10	36

Chinese Taipei	10	18	23
Qatar	10	0	4

56. The number of gold medals won by China is what percent of the total gold medals won by top 6 countries in the medal tally? (Round off to 2 decimal places)

- (a) 44.67% (b) 44.72% (c) 44.87%
 (d) 43.92% (e) 43.72%

57. Total medals won by Japan is what percent more or less than the total medals won by Republic of Korea?

- (a) 17% (b) 14.53% (c) 18.81%
 (d) 21.43% (e) 16.52%

58. Find the ratio of total gold medals won by all these countries, excluding Qatar to the total silver medals won of all the countries together.

- (a) 195 : 176 (b) 176 : 195 (c) 185 : 171
 (d) 171 : 185 (e) None of these

59. How many countries have won silver medals less than the average number of silver medals won by these countries?

- (a) 4 (b) 5 (c) 6
 (d) 7 (e) None of these

60. Total medals won by India is approximate what times of the number of bronze medals won by China?

- (a) 0.42 (b) 0.47 (c) 0.52
 (d) 0.57 (e) None of these

Directions (61-65) : The following line graph shows the number of employees and their salary (in thousands) of 3 automobile companies. Study it carefully and answer the following questions:



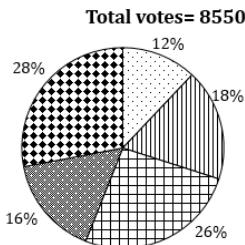
61. What is the average salary of an employee of Speedomax company?

- (a) $24285\frac{5}{7}$ Rs. (b) 25000 Rs. (c) 25825 Rs.
 (d) 27850 Rs. (e) None of these

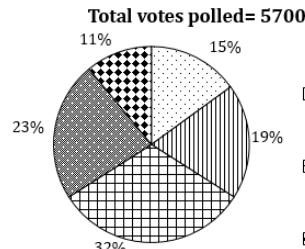
62. Total salary of Rs. 35 thousand salaried employees is what times of total salary of Rs. 10 thousand salaried and Rs. 15 thousand salaried employees together?

Directions (86-90): What will come in place of (?) in the following questions?

Directions (91-95): Given below is the data related to Votes polled in elections from 6 different districts.



	District	Male : Female
□ A	A	4 : 5
□ B	B	7 : 2
□ C	C	9 : 4
■ D	D	3 : 5
☒ E	E	19 : 23



District	Male : Female
A	2 : 3
B	13 : 6
C	21 : 11
D	9 : 14
E	3 : 8

Directions (96-100): In each of these questions, a question is given followed by information in three statements. You have to find out the data in which statement(s) is sufficient to answer the question and mark your answer accordingly.

96. What is the area of a right-angled triangle?

 - I. The base of the triangle is X cm.
 - II. The height of the triangle is Y cm.
 - III. the hypotenuse of the triangle is Z cm.
 - (a) Only I & II
 - (b) Only II
 - (c) Only II & III
 - (d) Any two of the three
 - (e) None of these

97. What is the average age of the six members A, B, C, D, E & F in a family?

 - I. Total age of D & E is 14 years.
 - II. Average age of A, B, C and F is 50 years
 - III Average age of A, B, D and E is 40 years
 - (a) Only I & II
 - (b) Only I & III
 - (c) Only II & III
 - (d) All I, II & III
 - (e) None of these

98. What is the rate of interest pcpa?

 - I. An amount doubles itself at simple interest in 10 years.
 - II. The difference between the compound interest and the simple interest on an amount of Rs. 15,000 in two years is Rs. 150.
 - III. The compound interest accrued in 8 years is more than the amount (principal).
 - (a) Only I
 - (b) Only II
 - (c) Only II & III

- (d) Only I & III (e) Only either I or II
99. What is the marks scored by Abhijit in English?
- I. The marks scored by Abhijit in Maths is more than his marks in Science by 20.
- II. Total marks scored by Abhijit in Maths, Science and English is 198.
- III. The marks scored by Abhijit in Science is more than his marks in English by 12.
- (a) Any two of the three
 (b) Only II & III
 (c) All I, II & III
 (d) The question cannot be answered even with the information in all the three statements

- (e) None of these
100. In how many days will B alone complete the work?
- I. A and B together can complete the work in 8 days
 II. B and C together can complete the work in 10 days.
 III. A and C together can complete the work in 12 days.
- (a) Only I & II
 (b) Only II & III
 (c) All I, II&III
 (d) The question cannot be answered even with the information in all the three statements.
 (e) None of these

English Language

Directions (101-110): Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you to locate them while answering some of the questions.

I spent last week in and around Srinagar. I was going back to this paradise on earth after 40 years! Our taxi driver was vastly amused as he drove us to the houseboat on Dal Lake and asked, "But has anything really changed since then?" I looked around, smiled and shook my head. Apart from some ugly new buildings with zero connect to the old, artistic, wooden structures, Srinagar appeared depressingly **squalid**, starting with the chaotic, cramped and **shabby** airport. This is the jewel of India -a destination like no other. Talking to Mahmood Ahmad Shah, the dynamic director of tourism for the region, I realized what he was up against, particularly when he provided a few key statistics (7.5 lakh tourists visited the valley in 1988... that number had shrunk to 10,000 next year, and now stands at 1.5 lakh).

Today, domestic tourists are back, but one hardly spots foreigners. Most embassies advise against travelling to Kashmir, describing the situation there as 'dangerous and volatile'. As we drove through the old city , the downtown area and past the Jumma Masjid, our driver pointed out the street which is the scene of the notorious Friday stone-pelting ritual. He laughed, "It is a joke! Youngsters with nothing better to do come here to throw stones... even the police don't take these incidents seriously." Regardless of which party is in power, the general consensus is that nobody cares. The devastating floods in 2014 left Srinagar drowning in problems that are still to be resolved. The damage done seems irreversible. Mehbooba Mufti may have won the election, but people continue to sing praises of Omar Abdullah. While his father is mocked for his **hedonistic** lifestyle, Omar is admired for being a 'doer'.

Nobody is interested in Delhi and what is happening there. This is a world unto itself, far removed from the rest of the country. Even those who are not involved in politics, spontaneously refer to people like myself as "You Indians..." and talk about "We Kashmiris" without realizing the implications of such loaded words. India sounds like a distant, foreign land most will never visit. Air

fares are ridiculously steep and the average Kashmiri, reeling under various challenging situations, cannot afford such luxuries. During a morning kahwa meeting with Omar Abdullah, I am astonished to learn that few want to pay taxes to the state. "Where will the money come from to build better roads?

Create better schools and colleges? "asks Abdullah in frustration. With the heavy dependency on the Centre for practically everything, chances of attracting any form of big investment are dim. Though, there is some good news in that two global hotel chains have signed up to create luxury properties in and around Srinagar. But the ground realities tell a sad story. Dal Lake is dying. If the Dal dies, Srinagar dies. It is an emergency that only a handful is ready to acknowledge.

Then comes the tragedy of the incredible craftsmen. The number of weavers with golden hands is rapidly **dwindling**. Soon, there will be just a few families left to carry forward an art going back centuries. The panic in their eyes is hard to ignore. Weavers are paid a paltry Rs 150 a day for working under back-breaking conditions. Their eyesight goes by the time they are forty. The wages they earn cannot feed the family. Their children refuse to continue the parampara(heritage); they want 'modern' jobs with some sort of security in place. And yet, the aspirations of the lower middle class in the city now extend to owning cars they cannot afford! Our driver says cynically, "Anybody with Rs 5,000 can go to a bank and get a loan." Narrow gullies and half-paved streets, unused to vehicular traffic, are unable to deal with daily jams in busy areas.

Apart from these obvious shortcomings, the overall mood is pretty upbeat -it's a cry for peace. As our local friends put it, "Once we enjoy peace and harmony, all other problems will take care of themselves. We are hardworking and pious. Izzat and mehnat matter. But we also feel neglected and ignored by successive governments at the Centre." Surely this mood should be accurately read by Delhi, and an appropriate response found? They must be made to feel a part of the India narrative, emotionally and cerebrally .Right now, all one can sense is isolation and alienation of a proud people who have suffered greatly for no fault of theirs.

101. What 'emergency' is author talking about that only handful

- are ready to acknowledge?
- The devastating floods in 2014 left Srinagar drowning in problems that are still to be resolved.
 - Domestic tourists are back, but one hardly spots foreigners. Most embassies advise against travelling to Kashmir, describing the situation there as 'dangerous and volatile'.
 - The number of weavers with golden hands is rapidly dwindling.
 - Dal lake is dying which is a big concern.
 - The heavy dependency on the Centre for practically everything, chances of attracting any form of big investment are dim.
102. Which of the following is false in context of the passage?
- Kashmir is not an attractive destination anymore as embassies advice against travelling there.
 - Kashmiri's feel neglected and ignored by successive governments at the Centre.
 - With the heavy dependency on the Centre for practically everything, chances of attracting any form of big investment are dim.
 - Regardless of which party is in power, the general consensus is that nobody cares.
 - Nobody wants to pay taxes as they feel neglected.
103. Which of the following statement(s) is/are the reason why weaver's children are refusing to continue their family heritage?
- As they feel neglected by their government because of which they don't want to continue their family heritage.
 - As they want jobs which has security and pay them enough to fulfill their aspirations.
 - As the wages they earn cannot feed the family and the aspirations of the lower middle class in the city now extend to owning cars they cannot afford.
- Only (i).
 - Both (i) and (ii).
 - Both (ii) and (iii).
 - Only (ii).
 - All of these.
104. What is the general mood in Kashmir?
- Kashmiris sing praises for Mehbooba Mufti who has won the elections.
 - They do not want to pay taxes as they feel neglected and do not want to contribute anything.
 - They want harmony and peace and think that problem will take care of themselves once there is peace.
 - They do care about what is happening in Delhi even though they feel neglected.
 - The children still are in love with their heritage and want to continue doing their traditional work even if it doesn't provide them with enough food for whole family.
105. Which of the following is/are the problems kashmiri's face?
- They are practically depended on centre for everything thus chances of attracting any form of big investment are dim.
 - Weaver's eyesight goes by the time they turn forty.
 - The air fares are ridiculously high and average kashmiri can't afford it.
 - Only (i).
 - Both (i) and (ii).
 - Both (ii) and (iii).
 - Only (ii).
 - All of these.
106. How Kashmir has changed in 40 years?
- The number of tourists now has increased immensely compared to past as construction has improved.
 - They are more interested in what's happening in Delhi compared to past.
 - Srinagar is more cleaner compared to one 40 years ago.
 - There is a panic in the eyes of the weavers as because of the low pay due to which the number of the weavers is rapidly decreasing.
 - The newer buildings have connection to the old, artistic, wooden structures.
- 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. **DWINDLING**
- Enhance
 - Ascend
 - Plummet
 - Augment
 - Elevate
108. **SQUALID**
- Clean
 - Pleasant
 - Proper
 - Contemptible
 - Decent
- Directions (109-110):** Choose the word/group of words which is **MOST OPPOSITE** in meaning to the word/ group of words printed in bold as used in the passage.
109. **SHABBY**
- Scruffy
 - Dilapidated
 - Pristine
 - Neglected
 - Ramshackle
110. **HEDONISTIC**
- Debauchee
 - Ascetic
 - Epicure
 - Profligate
 - Extravagant
- Directions (111-120):** Read the following passage carefully and answer the questions given below it. Certain words have been printed in bold to help you to locate them while answering some of the questions.
- Indians mostly pay for their healthcare out of pocket. More than 75 per cent on average of all health expenditure is out of pocket, whilst investment in public healthcare is even lower than some countries of Sub-Saharan Africa over the same period (less than 2 per cent on average), despite economic growth rates, averaging 8-10 per cent per annum, and despite the National Rural Health Mission (NRHM). Between the potential **catastrophes** of big out-of-pocket costs for healthcare and the current weaknesses of the public healthcare system, the private insurance markets offer what looks like a way out. The idea is tempting: let people choose between insurance companies that offer different packages of treatments, integrate care, and insure people against risks without all the inefficiencies of the government. Don't believe the hype.

Private, competitive insurance companies add instability, bureaucracy, inequality and regulatory trickery without contributing any value to the healthcare system. Private insurance works if you are unconcerned with inequality and efficiency, or work for an insurance company.

Unstable? Yes. Insurance is fundamentally a form of risk-pooling. We all pay in, we all get the peace of mind of knowing we have insurance, and the person who gets cancer gets a lot of the benefit. Naturally, if there are only a few of us, our insurance payments will go up if somebody gets cancer. But if there are many of us, our insurance payments won't go up much at all. Private, competitive insurance companies fragment risk pools. Each company competes for the most lucrative risk pool, which means the richest and healthiest people. The result is a natural state of instability in private insurance markets. Each company tries to avoid what Americans call the "death spiral" of high premiums and sick clients. Insurers solve this with some obvious tools. One is to just discourage sick or **prospectively** sick people such as smokers from joining. Another is "actuarial" rate-setting in which they try to match insurance premiums with likely expenditures. Actuarial rate setting is a good deal for healthy people who have an unexpected event, but a very bad deal for people in ill health, who might find insurance entirely unaffordable. If you have diabetes and your insurance premiums reflect the costs of insulin and perhaps other related procedures such as kidney failure, and the risks of related ailments such as heart disease, then it's not an insurance policy. It's a very expensive prepaid health plan.

Either way, insurance companies achieve stability by making healthcare less accessible to the people who need it most. And even the healthy people who benefit will not continue to benefit, since insurance rates would spike after a diagnosis of cancer or diabetes, or just go up with age. We can encourage cooperation and subsidise from lucky insurance companies with healthy people to unlucky companies with sick people. But why create a big regulatory framework that will tie everybody up in games and court cases when we can just avoid the whole problem and have a big, simple risk pool? What about all the other things insurance companies claim to do? Manage care? Integrate care? Encourage people to look after their health? In all cases, the burden of proof should be on the people who make claims that insurers are anything other than a financing device. The evidence that insurance companies improve health or healthcare just isn't there.

Why? Insurance companies might be powerful relative to their clients, whose rates they can change, but they are weak relative to the healthcare system. Their ability to deny care without resistance from doctors and their clients (whether patients or employers) is limited because they have neither knowledge nor legitimacy. They certainly have no subtle instruments to make us eat less buttery food or walk to work.

So why does anybody entrust health to competitive insurance companies then? In the rich countries, the answer is political. The countries that rely heavily on them — the U.S., the

Netherlands, and Switzerland — have very effective regulatory **regimes** paired with political systems that give a lot of weight to the interests of insurance companies and political parties such as the U.S. Republicans who see no problem with being unfair to the poor and unhealthy. These three countries also are among the worst value health systems in the world, with very high costs for average, or in the U.S. below average, quality. That's no accident. They start out with a big, costly layer of insurance companies that adds complexity and paperwork and very little value.

The risk is that a simple solution at one time becomes a problem later. It is tempting to use private insurance to increase access to healthcare among the middle classes in a country like India. But the lesson of history is that one generation's clever solution to a problem is the next generation's policy problem. The U.S. tried to rely on private insurance, and the result was a politically empowered industry dedicated to preserving its business at the expense of better risk pooling, equality, more efficiency, and simpler administration. American political elites see the costs to the country of this **entrenched** industry as tolerable. That doesn't mean India's should agree to follow the same path.

111. Why the idea of private insurance company is tempting?

- (a) As they have "actuarial" rate-setting in which they try to match insurance premiums with likely expenditures.
- (b) As insurance companies along with insurance also improves health care.
- (c) As insurance is fundamentally a form of risk-pooling because of which they offer what we call a way out.
- (d) Insurance companies achieve stability by making healthcare more accessible to the people who need it most.
- (e) As they let people choose between different insurance companies and the range of treatments packages accordingly.

112. Which of the following is true in context of the passage?

- (a) Private insurance companies provide healthcare access to people who need it the most.
- (b) The major benefit of private insurance companies is that the insurance rate doesn't go up with age or with a diagnosis of terminal disease.
- (c) People entrust health to competitive insurance companies as they are politically empowered industry.
- (d) Private insurance companies fragments risk pools and compete for the one which is the most lucrative.
- (e) Private insurance is of vital importance as it provides stability and equality in healthcare systems.

113. Which of the following can be the most suitable title for the passage?

- (a) Why choose Private insurance companies?
- (b) Private Insurance companies: a politically empowered industry.
- (c) An expensive prepaid health plan.
- (d) Private insurance can't heal all
- (e) Private insurance – an institution which fragments risk-

- pools
114. Which of the following according to passage is a tool used by private insurance companies to avoid what Americans call "death spiral"?
- Insurance companies are a form of risk-pooling so they just basically pool the money of the people and give it to people with cancer or other deadly disease.
 - Each company competes for the most lucrative risk pool, which means the richest people.
 - They encourage people to look after their health.
 - They discourage sick or potential sick people such as smokers from joining.
 - They insure people against risks without all the inefficiencies of the government.
115. Which of the following is true regarding actuarial rate?
- According to author it is more of a expensive prepaid plan and not an insurance policy.
 - It is a tool of private insurance companies which discourage sick or prospectively sick people such as smokers from joining.
 - It makes healthcare less accessible to people who need it the most.
- | | |
|--------------------------|-------------------------|
| (a) Only (i). | (b) Both (i) and (iii). |
| (c) Both (ii) and (iii). | (d) Both (i) and (ii). |
| (e) All of these. | |
116. Which of the following statement is false regarding the private insurance companies?
- India must follow the same path as that of the U.S.
 - It is not accessible to the people who need it the most because of it is not affordable to all.
 - Insurance companies adds more complexity and paperwork but little value.
 - Competition between the insurance companies brings stability among insurance companies as they make efforts to provide better services.
 - 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. **CATASTROPHE**
- | | | |
|----------------|---------------|------------------|
| (a) Redemption | (b) Salvation | (c) Preservation |
| (d) Calamity | (e) Conserve | |
118. **PROSPECTIVELY**
- | | | |
|---------------|-----------------|-------------------|
| (a) Imminent | (b) Implausible | (c) Retrospective |
| (d) Nostalgic | (e) Reminiscent | |
- Directions (119-120):** Choose the word/group of words which is **MOST OPPOSITE** in meaning to the word/ group of words printed in bold as used in the passage.
119. **ENTRENCH**
- | | | |
|-----------------|----------------|---------------|
| (a) Superficial | (b) Ingrained | (c) Immutable |
| (d) Ensconce | (e) Inexorable | |
120. **REGIME**
- | | | |
|---------------|----------------|-------------|
| (a) Incumbent | (b) Authority | (c) Anarchy |
| (d) Sovereign | (e) Ascendancy | |

Directions (121-125): Rearrange the following five sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- The World Bank estimates that India loses 2-3 per cent of its annual GDP by way of lower productivity, the underlying cause of which is malnutrition.
- The human dividend on which we are banking is actually a huge liability given that one out of every three children is born underweight and unable to realise the full potential for physical growth and cognitive development, leading to lower levels of productivity.
- The Copenhagen Consensus has identified twice several nutrition interventions as some of the most high-yielding of all possible development assessments.
- The need to systematically address underlying causes of malnutrition in India is an urgency that cannot be postponed for the following reasons: One, poor nutrition is poor economics.
- The Ministry of Finance in its Economic Survey 2015-16 says, "that some of the highest economic returns to public investment in human capital in India lie in maternal and early-life health and nutrition interventions."
- Two, poor nutrition will fracture the dreams and aspirations of India to become a global player in manufacturing and other industries.

121. Which of the following should be the **FIRST** sentence after rearrangement?

(a) A (b) B (c) C (d) D (e) F

122. Which of the following should be the **SECOND** sentence after rearrangement?

(a) A (b) C (c) D (d) E (e) B

123. Which of the following should be the **THIRD** sentence after rearrangement?

(a) A (b) B (c) D (d) E (e) F

124. Which of the following should be the **FOURTH** sentence after rearrangement?

(a) B (b) C (c) D (d) E (e) F

125. Which of the following should be the **SIXTH (last)** sentence after rearrangement?

(a) B (b) C (c) D (d) E (e) F

Directions (126-130): Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is 'No error', the answer is e). (Ignore errors of punctuation, if any.)

126. Many residents claim (b)/that the company has (b)/taken their land (c)/ without adequate compensating. (d)/No error (e).

127. On account of the week (a)/long strike the factory (b)/was forced to close and (c)/next month's shipment will delay. (d)/No error (e).

128. The actual conduct of the test (a)/at each venue will be entrusted (b)/on the officer-in-charge (c)/who will be designated as test conductor. (d)/ No error (e).

129. The government decision (a)/ will benefit all (b)/ the software companies registered (c)/ under the scheme. (d)/No error (e).

130. There cannot be any situation where (a)/somebody makes

money in an asset (b)/located in India and does not pay tax (c)/either to India or to the country of his origin.(d)/No error (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.

Despite the wealth of information campaigns telling people about global warming and its causes, most people have yet to realize how severe the problem is. Coming climate changes could alter as (131) as one third of plant and animal habitats (132) the end of the 22nd century. These changes could in (133) cause widespread extinctions among plant and animal (134) around the globe.

Coastal and island habitats are perhaps in the greatest danger (135) they face the combined threats of warming oceans and rising sea (136) . As habitats change, many animals will come (137) intense pressure to find more suitable homes for themselves. Mass (138) of at least some animals are certainly to be expected, but the fact remains that many animals will simply not be able to move fast enough.

Such dire predictions may sound alarmist, but they are based on the rather moderate estimate that the amount of carbon dioxide in the atmosphere will double by 2100. Many scientists believe, however, that this figure is actually very (139), and they claim that a tripling is far more realistic. If they are (140), the effects on nature will be even more dramatic.

- | | | |
|------------------------|------------------|--------------------|
| 131. (a). Well | (b). Long | (c). Much |
| (d). Far | (e). High | |
| 132. (a). At | (b). By | (c). Until |
| (d). Since | (e). Till | |
| 133. (a). Turn | (b). Result | (c). Order |
| (d). Line | (e). Fact | |
| 134. (a). Types | (b). Genres | (c). Categories |
| (d). Species | (e). Habitats | |
| 135. (a). Although | (b). Since | (c). Providing |
| (d). Therefore | (e). As well | |
| 136. (a). Heights | (b). Altitudes | (c). Levels |
| (d). Tides | (e). Threat | |
| 137. (a). From | (b). Under | (c). Across |
| (d). By | (e). In | |
| 138. (a). Migrations | (b). Emigration | (c). Immigration |
| (d). Extinctions | (e). Moving | |
| 139. (a). Conservative | (b). Underscored | (c). Overestimated |
| (d). Inaccurate | (e). High | |
| 140. (a). Unfortunate | (b). Erroneous | (c). Perceptive |
| (d). Correct | (e). Gracious | |

Solutions:

Direction (1-5)

1. (e) Let India scored 0 and Korea 2 by the time "5 minutes remaining" in the match.

From statement I, India scored 3 goals in last 5 minutes but it is not clear whether Korea too scored in the last 5 minute.

From statement II, Korea's total score is 3, but what India

scored is not known.

On combining both the statements, we are unable to deduce the scores of both the team.

Hence, both the statements taken together are not sufficient to answer the question.

2. (c) Since Ms. X bought 21 packets out of which there are 18 O's and A's in total.

Since she got one S, there has to be 2 P's which she bought. Hence, both the statements are required.

3. (a) Option I seems to be the right fit as 12 students would give an extra team of 8 plus 4 students which would be adjusted accordingly and form perfect 8 member teams.

Thus just 4 students would do the same except the number of teams would be 1 less.

From statement II alone we cannot get anything.

4. (e) Statement I gives that A & B have passed. But nothing about C & D.

Statement II gives 'One among C and D has passed' and this is false.

This indicates 'C and D both have passed or both are failed. Hence we get both only A and B have passed or all A, B, C, D have passed..

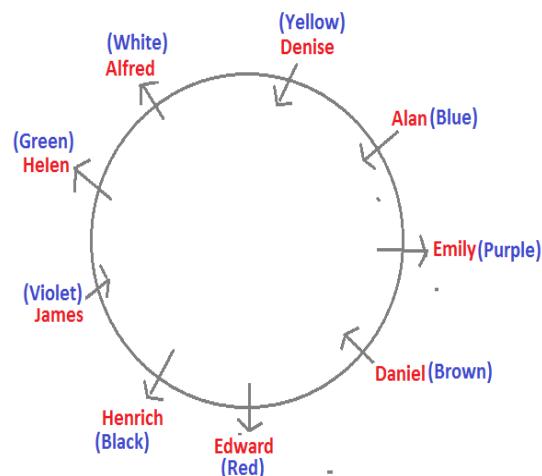
5. (e) To find the code for 'we', we need to have any of the following:

(i) 'We are friends' should have only 'We' common with another statement, as in II;

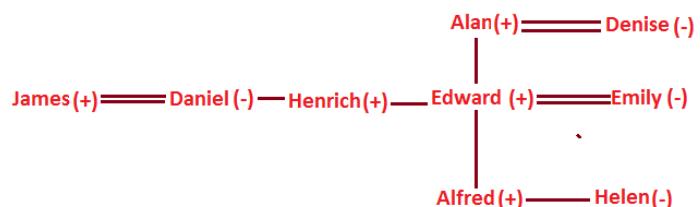
(ii) 'We are friends' should have only 'are' and 'friends' common with another single or two statements, as in I and III.

Thus, we need Either II only or I and III only.

Directions (6-10):



Tree Form (Blood-Relation)-



6. (e)
7. (e)
8. (b)
9. (b)
10. (c)

Directions (11-15):

Floor	DOB Month	Person	Fruits
8	June	A	Apple
7	October	G	Banana
6	August	J	Mango
5	July	E	Litchi
4	April	B	Orange
3	March	C	Guava
2	September	H	Grapes
1	May	D	Pineapple

11. (d)
12. (b)
13. (d)
14. (d)
15. (e)

Directions (16-20): The machine rearranges one number and one word in each step. First, it rearranges words starting with a vowel in alphabetical order, and then it rearranges words starting with a consonant in reverse alphabetical order.

For numbers, it first rearranges prime numbers in descending order with addition of 5 (in each prime number), then composite numbers in ascending order with subtraction of 5 (in each composite number).

Input: 28 upon 19 flow 41 38 ice melt 16 eat cream 31 quick

Step I: eat 46 28 upon 19 flow 38 ice melt 16 cream 31 quick

Step II: eat 46 ice 36 28 upon 19 flow 38 melt 16 cream quick

Step III: eat 46 ice 36 upon 24 28 flow 38 melt 16 cream quick

Step IV: eat 46 ice 36 upon 24 quick 11 28 flow 38 melt cream

Step V: eat 46 ice 36 upon 24 quick 11 melt 23 flow 38 cream

Step VI: eat 46 ice 36 upon 24 quick 11 melt 23 flow 33 cream

16. (d)
17. (b)
18. (e)
19. (c)
20. (d)

Directions (21-25):

Languages → Persons ↓	English	Italian	Spanish	French	Portuguese	Country ↓
A	x	x	✓	✓	✓	Japan
B	✓	✓	✓	✓	✓	Italy
C	✓	✓	✓	x	✓	London
D	x	x	✓	x	x	France
E	x	✓	x	✓	x	Britain

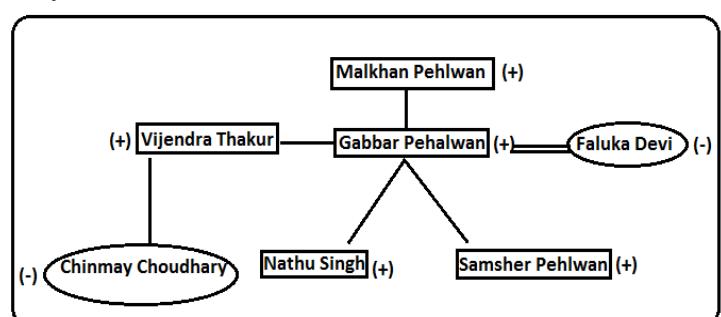
21. (e)
22. (c)

23. (c)
24. (d)
25. (d)
26. (d) The issue discussed in the statement is nowhere related to increase in unemployment, as the number of vacancies filled in will remain the same. Also, in a working place, it is the performance of the individual that matters and that makes him more or less wanted, and not his educational qualifications. So, neither I nor II holds strong. Besides, the needs of a job are laid down in the desired qualifications for the job. So, recruitment of more qualified people cannot augment productivity. Thus, IV also does not hold strong. However, it is the right of an individual to get the post for which he fulfills the eligibility criteria, whatever be his extra merits. Hence, argument III holds strong.

27. (e) Clearly, illiterate people lack in power and maturity in thoughts. They may easily be misled into false convictions or lured into temptations to vote for a particular group. So, argument II holds. However, a person is literate does not mean that he is conscious of all political movements, which requires practical awareness of everyday events. Thus, I also holds strong. Besides, Constitution has extended the right to vote equally to all its citizens. Hence, III also holds.

Directions (28-32):

Family Members	GENDER	Actors whom family members are fan	SPECIALISATION
Vijendra Thakur	Male	Salman Khan	Shooter
Chinmay Choudhary	Female	Sanjay Dutt	Sarpanch
Malkhan Pehlwan	Male	John Abrahams	Businessman
Gabbar Pehlwan	Male	Salman Khan	Wrestler
Hanshal Choudhary	Male	John Abrahams	Boxer
Samsher Pehlwan	Male	John Abrahams	Sarpanch
Faluka Devi	Female	Sanjay Dutt	Shooter
Nathu Singh	Male	Sanjay Dutt	Wrestler

Family Tree:

28. (c)

29. (b)

30. (e)

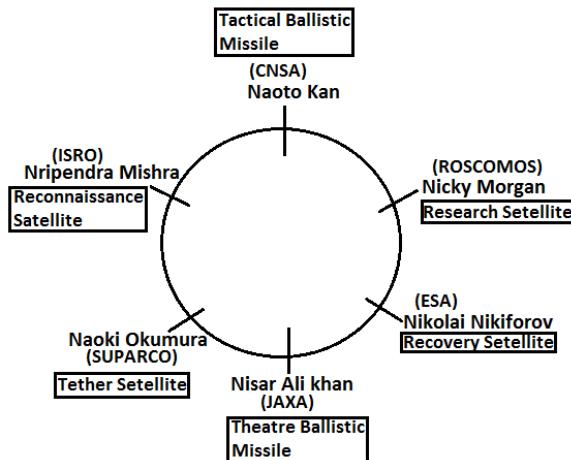
31. (d)

32. (a)

Directions (33-37):

Days	Person & Specialization
Tuesday	R (Endocrinologist)
Wednesday	N (Cardiologist), O (Urologist)
Friday	P (Pathologist), Q (Radiologist)
Saturday	S (Dermatology), M (Geriatrics)

33. (a)
 34. (e)
 35. (b)
 36. (c)
 37. (e)
 38. (b) Nothing about the sources of income of the State Governments is mentioned in the statement. So, I is not implicit. Since the Central Government has directed the State Governments to reduce expenditure, so II is implicit. Further, since the Central Government has refused any further grant to the State Governments for the next six months, it is quite clear that state Governments will abide by the directives of central Government. So, III is also implicit.
 39. (a) Clearly, the situation demands that strike be called off, either through warning or negotiations, and till then alternative arrangements be made to retain normalcy in supply of essential commodities. So, both I and II follow. Taking extreme steps (as getting the striking transporters arrested) at the first stage doesn't seem proper. So, III does not follow.
 40. (e) The facts given in both the statements are clearly the result of acute power shortage.

Directions (41-45):


41. (e)
 42. (d)
 43. (c)
 44. (c)
 45. (a)
 46. (c) It is quite clear from the given passage that both are different causes due to which Britain leave the European Union.
 47. (d) (i) is the negative effect which British may have to face. (ii)

is vague with respect to the passage since it doesn't have any relation with Britain. (iii) and (iv) are the positive effects from British point of view since it provides freedom and full control to regulate their business and they don't have any restrictions from now onwards.

48. (e) A free Trade Agreement between India and the UK could be easier to accomplish at a bilateral level following Britain's exit from the EU. So, (i) may be an impact. The five large Indian IT companies have 8-15% revenue exposure to the British Pound. And Indian companies having the base in Britain will have a smaller domestic market, rest of EU will become an unprotected export market. So, (ii) and (iii) may also be the impact. It can also be concluded from the last line of the passage that it will affect currencies, so (iv) may also be an impact of Brexit.
 49. (e) Clearly both the arguments given in favour as well as against the statement are strong.
 50. (e) from the passage, (i) and (ii) can be clearly assumed and in third case, as trade barrier between the UK and the remaining EU members were erected upon exit and as it would affect the exports, then there would be an increase in trade deficit of the UK. So, (iii) cannot be assumed.

Solution

Department	College A	College B
Engineering	98	157
Commerce	187	152
Science	216	198
Arts	125	96
Management	74	147
Total	700	750

51. (a) no. of arts students = $125 + 96 = 221$
 52. (c) required percentage = $\frac{(187 + 152)}{1450} \times 100 = 23.38\%$
 53. (d) required ratio = $\frac{152}{216} = 19 : 27$
 54. (e) Second lowest students in college B
 = 147 in management department
 55. (b) required percentage = $\frac{(147 - 74)}{74} \times 100 = 99\%$
 56. (a) required percentage = $\frac{151}{338} \times 100 = 44.67\%$
 57. (b) required percentage = $\frac{(234 - 200)}{234} \times 100 = 14.53\%$
 58. (e) required ratio = $\frac{370}{352} = 185 : 176$
 59. (d) average number of silver medals
 $Won = \frac{352}{10} = 35.2$
 Number of countries having silver medals
 Less than the average = 7
 60. (d) Total medals of India = 47
 Bronze medals of China = 83
 $\frac{47}{83} = 0.57$
 61. (a) average salary =

$$\begin{aligned} & (300 \times 10) + (200 \times 15) + (300 \times 20) + (400 \times 25) + (600 \times 30) + (200 \times 35) + (100 \times 40) \\ & = \frac{51000}{2100} \text{ thousand Rs. or } \frac{51000000}{2100} \text{ Rs.} \\ & = 24285 \frac{5}{7} \text{ Rs.} \end{aligned}$$

62. (e) Total salary of Rs. 35 thousand salaried

$$\text{Employees} = 35000 \times 900$$

Salary of Rs. 10 thousand and Rs. 15 thousand

$$\begin{aligned} \text{Salaried employees} &= (10000 \times 600) + (15000 \times 600) \\ &= \frac{31500000}{15000000} = 2.1 \end{aligned}$$

63. (c) Number of employees in speedomax = 2100

Number of employees in HMT = 1600

Number of employees in Hero = 1700

$$\text{Required difference} = \frac{1}{2} (2100 - 1600) = 250$$

64. (c) required percentage = $\frac{(300-200)}{300} \times 100 = 33\frac{1}{3}\%$

65. (b) Total salary of employees who got increment

$$= \frac{29}{100} \times 500 \times 40000 \times \frac{(100+35)}{100} = 78.3 \text{ lac}$$

66. (b); Pure glycerine in 50 L sample = $\frac{80}{100} \times 50 = 40 \text{ L}$

Impure glycerine = 10 L

But pure glycerine should be $(100 - 5) = 95\%$ or $19 \times 5\%$

Or $19 \times 10 = 190 \text{ L}$

Pure glycerine added = $190 - 40 = 150 \text{ L}$

67. (c); Let Cost price = $100x$

Selling price = $110x$

New C.P. = $90x$

New S.P. = $110x - 2$

New profit = $\frac{50}{3}\%$

$$\frac{110x-2-90x}{90x} \times 100 = \frac{50}{3}, x = \frac{2}{5}$$

$$\text{Cost price} = 100x = 100 \times \frac{2}{5} = \text{Rs. 40}$$

68. (b); Let CP to A = 100 unit

$$\text{CP to B} = \left(1 + \frac{1}{5}\right) \times 100 = 120 \text{ unit}$$

$$\text{CP to C} = \frac{(100+20)}{100} \times 120 = 144 \text{ unit}$$

$$\text{SP of C} = \left(1 - \frac{1}{6}\right) 144 = 120 \text{ unit}$$

120 unit = 600

1 unit = 5

CP to A = 100 unit = $100 \times 5 = 500 \text{ Rs.}$

69. (c); Let per day work of 4th person = $\frac{1}{x}$

Per day work of all 4 persons together

$$\frac{1}{3} = \frac{1}{8} + \frac{1}{12} + \frac{1}{16} + \frac{1}{x}, \frac{1}{x} = \frac{9}{144} \text{ or } \frac{1}{16}$$

$$\text{Share of 4th person} = \frac{\frac{1}{16}}{\frac{1}{8} + \frac{1}{16} + \frac{1}{12}} \times 1200 = \text{Rs. 225}$$

70. (c); Total CP = Rs. 250

$$\text{Total SP} = \frac{120}{100} \times 250 = \text{Rs. 300}$$

$$\text{SP per dozen} = \frac{300}{(40-2.5)} = \text{Rs. 8}$$

71. (c); Let initial height = H

Final height = h

$$\left(\frac{22}{7} \times \frac{25}{2} \times \frac{25}{2} \times H\right) - 11000 = \frac{22}{7} \times \frac{25}{2} \times \frac{25}{2} \times h$$

From this equation, $H - h = 22\frac{2}{5} \text{ m}$

72. (c); Let MP of shirt = 100

MP of trouser = 200

Discounted price of shirt = 60

Let discounted price of trouser = x

$$60 + x = \frac{70}{100} \times (100 + 200)$$

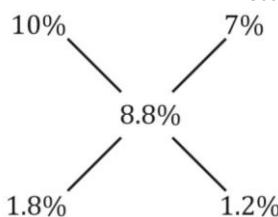
$$x = 150$$

$$\text{Discount} = \frac{(200-150)}{200} \times 100 = 25\%$$

73. (b); Let x person work after 64 days

$$\frac{64 \times 120}{\frac{2}{3}} = \frac{60 \times x}{\frac{1}{3}}, x = 64, \text{ persons discharged} = 120 - 64 = 56$$

74. (a); Net interest rate = $\frac{\frac{1}{3} \times 396}{1500} \times 100 = 8.8\%$



or 3 : 2, sum lent at 10% = $\frac{3}{5} \times 1500 = \text{Rs. 900}$

75. (b); Let quantity = 5 L (3 Litre x and 2 litre y)

SP of 1 L = Rs. 11

SP of 5 L = Rs. 55

$$\text{CP of 5 L} = \frac{100}{110} \times 55 = \text{Rs. 50}$$

Let cost per L of Y = Rs. a

Cost per L of X = Rs. a + 2

$$3(a + 2) + 2(a) = 50$$

$$a = 8.8$$

Cost of X = 8.8 + 2 = Rs. 10.8 per litre

76. (d); Let the 3 parts are x, y, z

$$\frac{110}{100}x = \frac{115}{100}y = \frac{120}{100}z$$

$$y = \frac{22}{23}x, z = \frac{22}{24}x$$

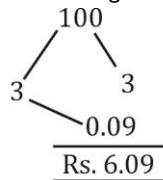
$$x + \frac{22}{23}x + \frac{22}{24}x = 7930, x = \text{Rs. 2760}$$

77. (c); Let the amount borrowed on simple interest = Rs. 100

Interest to be paid from compound interest = $\frac{4}{100} \times 100 = \text{Rs. 4}$

4

Interest he gets =



His gain = $6.09 - 4 = \text{Rs. 2.09}$

But actual gain = Rs. 104.5

$$\text{Actual amount borrowed} = \frac{104.5}{2.09} \times 100 = \text{Rs. 5000}$$

78. (a); Average speed on entire journey = $\frac{3584}{56} = 64 \text{ km/hr}$

$$\text{Average speed on 3rd day} = \frac{536}{8} = 67 \text{ km/h}$$

Difference = 3 km/hr

79. (a); Let passed students = $25x$

Failed students = $4x$

If 2 less were failed = $4x - 2$

Then passed students = $25x + 5 + 2$

$$\frac{25x+7}{4x-2} = \frac{22}{3}, x = 5, \text{ appeared student } (25+4)5=145$$

80. (a); SI of 2 years = Rs. 2000

Difference between SI and CI at the end of 2 years = $2050 - 2000 = \text{Rs. 50}$

$$\text{Rate of interest} = \frac{50}{1000} \times 100 = 5\%$$

$$\frac{P \times 5 \times 3}{100} = 3000$$

P = Rs. 20000

81. (c); 1 step of policeman = $\frac{7}{5}$ step of thief

$$\text{Ratio of speeds} = 8 \times \frac{7}{5} : 10$$

$$= 28 : 25$$

82. (a); Let time taken by A = x seconds

By B = $x + 25$ seconds

By C = $x + 55$ seconds

$$\text{Speed of A} = \frac{1000}{x} \text{ m/s}$$

$$\text{Speed of C} = \frac{1000}{x+55} \text{ m/s}$$

$$x \times \left(\frac{1000}{x}\right) - x \times \left(\frac{1000}{x+55}\right) = 275, x = 145 \text{ seconds or 2 min 25 seconds}$$

83. (d); Ratio of speed of man and stream = $\frac{5+4}{2} : \frac{5-4}{2} = 9 : 1$

Let the speeds are $9x$ and x km/hr

$$\frac{60}{(9x+x)} + \frac{60}{(9x-x)} = 13.5, x = 1$$

So rate of stream = 1 km/hr

84. (b); Length of diagonal of cage = $\sqrt{16^2 + 30^2} = 34 \text{ m}$

Distance to be covered = $34 - 4 = 30 \text{ m}$

Time taken = 15 s

$$\text{Speed} = \frac{30}{15} = 2 \text{ m/s}$$

85. (a); Sum of ages at present(excluding baby) = $(17 \times 5) + (5 \times 3) = 100$

Including baby, sum of ages = $17 \times 6 = 102$

Age of baby = 2 years

86. (c); $\times 1 - 1, \times 1.5 - 1.5, \times 2 - 2, \times 2.5 - 2.5 \dots$

87. (d); $-38, -19, -9.5, -4.75 \dots$

88. (a); $-7^3 + 7, -6^3 + 6, -5^3 + 5, -4^3 + 4 \dots$

89. (b); $\times 9, \times 7, \times 5, \times 3 \dots$

90. (c); $\div 4^3, \div 3^3, \div 2^3, \div 1^3 \dots$

91. (a) Total female votes in district B = $\frac{2}{2+7} \times \frac{18}{100} \times 8550 = 342$

Female votes polled in district C

$$= \frac{11}{(11+21)} \times \frac{32}{100} \times 5700 = 627$$

$$\text{Required percentage} = \frac{342}{627} \times 100 = 54.54\%$$

92. (c) Total male votes in district B and D together = $\frac{7}{7+2} \times \frac{18}{100} \times$

$$8550 + \frac{3}{(3+5)} \times \frac{16}{100} \times 8550 = 1710$$

$$\text{Female votes polled in district B and D together} = \frac{6}{19} \times \frac{19}{100} \times$$

$$5700 + \frac{14}{23} \times \frac{23}{100} \times 5700 = 1140$$

$$\text{Required ratio} = \frac{1710}{1140} = 3 : 2$$

93. (b) Total Male votes in district A = $\frac{4}{9} \times \frac{12}{100} \times 8550 = 456$

$$\text{Total Male votes in district B} = \frac{7}{9} \times \frac{18}{100} \times 8550 = 1197$$

$$\text{Total male votes in district C} = \frac{9}{13} \times \frac{26}{100} \times 8550 = 1539$$

$$\text{Total male votes in district D} = \frac{3}{8} \times \frac{16}{100} \times 8550 = 513$$

$$\text{Total male votes in district E} = \frac{19}{42} \times \frac{28}{100} \times 8550 = 1083$$

$$\text{Average no. of Male votes} = \frac{456+1197+1539+513+1083}{5} = 957.6 \approx 958$$

$$\text{Required percentage} = \frac{513}{958} \times 100 \approx 54\%$$

94. (d) total number of polled votes in district A = $\frac{15}{100} \times 5700 = 855$

$$\text{Female votes polled in district A} = \frac{3}{5} \times 855 = 513$$

authentic female votes polled in election in district A =

$$\frac{\left(100-11\frac{1}{9}\right)}{100} \times 513 = 456$$

$$\text{Required ratio} = \frac{456}{855} = 8 : 15$$

95. (e) Female votes polled in district A

$$= \frac{3}{5} \times \frac{15}{100} \times 5700 = 513$$

$$\text{in district B} = \frac{6}{19} \times \frac{19}{100} \times 5700 = 342$$

$$\text{in district C} = \frac{11}{32} \times \frac{32}{100} \times 5700 = 627$$

$$\text{in district D} = \frac{14}{23} \times \frac{23}{100} \times 5700 = 798$$

$$\text{in district E} = \frac{8}{11} \times \frac{11}{100} \times 5700 = 456$$

Total no. of Female votes polled = $513 + 342 + 627 + 798 + 456 = 2736$

96. (d); In right angled triangle, the 3rd side can be calculated if we know 2 sides thus area of this triangle can be calculated using any 2 of the three statements.

97. (a); Using I, sum of ages of D & E = 14 years

Using II, sum of ages of A, B, C & F = $50 \times 4 = 200$ years

Thus, required average can be calculated using I & II

98. (e); from I, R = 10 %

$$\text{From II, } \frac{15000 \times R^2}{(100)^2} = 150, R = 10\%$$

So either I or II is sufficient

99. (c); from I, M = S + 20

From II, M + S + E = 198

From III, S = E + 12

So using all statements we can calculate E

100. (c); using I, A + B = $\frac{1}{8}$

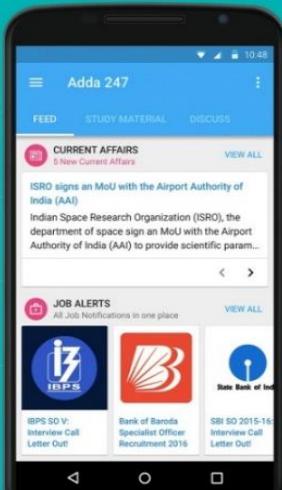
$$\text{Using II, } B + C = \frac{1}{10}$$

$$\text{Using III, } C + A = \frac{1}{12}$$

So using all the statements, the question can be answered.

101. (d); refer to the 3rd paragraph of the passage, "If the Dal dies, Srinagar dies. It is an emergency that only a handful is ready to

- acknowledge".
- 102.(e); refer to the 3rd paragraph of the passage, "I am astonished to learn that few want to pay taxes to the state. "Where will the money come from to build better roads? Create better schools and colleges?" asks Abdullah in frustration.
- 103.(c); refer to the 4th paragraph of the passage .
- 104.(c); refer to the 5th paragraph of the passage, "the overall mood is pretty upbeat -it's a cry for peace".
- 105.(e); All of the options are correct
- 106.(d);refer to the 4th paragraph of the passage, "The panic in their eyes is hard to ignore".
- 107.(d); Dwindling means diminish gradually in size, amount, or strength. Augment means the same.
- 108.(d); squalid means (of a place) extremely dirty and unpleasant, especially as a result of poverty or neglect hence contemptible is the word most similar in meaning.
- 109.(c); Shabby means in poor condition through long use or lack of care hence pristine is the word most similar in meaning.
- 110.(b); Hedonistic means engaged in the pursuit of pleasure; sensually self-indulgent hence ascetic is the word most similar in meaning.
- 111.(e); refer to 1st paragraph of the passage," between insurance companies that offer different packages of treatments, integrate care, and insure people against risks without all the inefficiencies of the government".
- 112.(d); refer to the 2nd paragraph of the passage," Private, competitive insurance companies fragment risk pools. Each company competes for the most lucrative risk pool, which means the richest and healthiest people".
113. (d); it is the most suitable title for the passage.
114. (d);refer to the 2nd paragraph of the passage , " One is to just discourage sick or prospectively sick people such as smokers from joining", option (b) can be indirectly correct but we always choose the one which is the most suitable and correct answer.
- 115.(b);refer to the 2nd paragraph of the passage," Another is "actuarial" rate-setting in which they try to match insurance premiums with likely expenditures. Actuarial rate setting is a good deal for healthy people who have an unexpected event, but a very bad deal for people in ill health, who might find insurance entirely unaffordable".
116. (d);as it brings instability.
- 117.(d);catastrophe means an event causing great and usually sudden damage or suffering; a disaster hence calamity is the word most similar in meaning.
- 118.(a);prospective means expected or expecting to be the specified thing in the future hence imminent is the word most similar in meaning.
119. (a);entrench means establish (an attitude, habit, or belief) so firmly that change is very difficult or unlikely hence superficial is the word most opposite in meaning.
120. (c); regime means a government, especially an authoritarian one hence anarchy is the word most opposite in meaning.
- For questions (121-125);The sequence is **DAECFB**
121. (d)D 122. (a)A 123. (d)E
 124. (b)C 125. (a)B
 126.(d);Replace compensating with compensation. Preposition (without) + Adjective (adequate) +Noun (Compensation).
 127. (d);Replace will delay(active) with will be delayed(passive).
 128).(c);'With' will come in place of 'on'.
 129. (a);Replace 'government' with 'government's'.
 130. (b);Replace 'in' with 'on'.
 131.(c) 132.(b) 133.(a) 134.(d) 135.(b)
 136.(c) 137.(b) 138.(a) 139.(a) 140.(d)



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Date of Publishing: 01.08.2016

Date of Dispatch: 10 & 11 AUGUST
at Krishna Nagar Post Office, Delhi-110051

Volume: 1st Issue : 11th

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