

SSC Selection Post (Matriculation) Similar Paper (Held on 26 Jul 2025 S1)

Q.1 Bird is to Nest as Dog is to ___?

- A. Kennel
- B. Cage
- C. Stable
- D. Den

Answer: A

Sol: Given: Bird is to Nest as Dog is to ___?

A **bird** lives in a **nest**.

Similarly,

A **dog** lives in a **kennel**.

Thus, correct option is (a).

Q.2 What comes next in the pattern:

P25, N21, L17, ___?

- A. J13
- B. K15
- C. I11
- D. H9

Answer: A

Sol: Given: P25, N21, L17, ___?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: Letters are decreasing - 2 and numbers are decreasing - 4 place.

For, letter

$P - 2 = N, N - 2 = L, L - 2 = J$

For, number

$25 - 4 = 21, 21 - 4 = 17, 17 - 4 = 13$

So, the missing term is **J13**.

Thus, correct option is (a).

Q.3 If A is the brother of B, and B is the mother of C, how is A related to C?

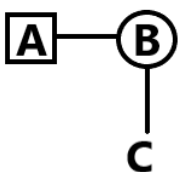
- A. Father
- B. Uncle
- C. Brother
- D. Cousin

Answer: B

Sol: Given: If A is the brother of B, and B is the mother of C.

Symbol in Diagram	Meaning
- / O	Female
+ / □	Male
=	Married Couple
—	Siblings
	Difference Of Generation

From the given information blood relation diagram will be.



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So, A is **uncle** of C.
Thus, correct option is (b).

Q.4 Find the number that does not belong to the group.

- A. 4
- B. 9
- C. 16
- D. 20

Answer: D

Sol: Now, we check each options.

Option (a): 4

$$2^2 = 4$$

Option (b): 9

$$3^2 = 9$$

Option (c): 16

$$4^2 = 16$$

Option (d): 20

20 is **not** a perfect square.

So, **20** is odd one out.

Thus, correct option is (d).

Q.5 If $6 \diamond 2 = 8$ and $9 \diamond 3 = 12$, what is $10 \diamond 4$?

- A. 12
- B. 14
- C. 16
- D. 18

Answer: B

Sol: Given: If $6 \diamond 2 = 8$ and $9 \diamond 3 = 12$

Logic: 1st number + 2nd number = 3rd number

For, $6 \diamond 2 = 8$

$$6 + 2 = 8$$

For, $9 \diamond 3 = 12$

$$9 + 3 = 12$$

Similarly,

$$10 \diamond 4?$$

$$10 + 4 = \mathbf{14}$$

Thus, correct option is (b).

Q.6 You receive an unverified message on social media. What is the best action?

- A. Forward it
- B. Delete it immediately
- C. Comment on it
- D. Verify before sharing

Answer: D

Sol: Given: You receive an unverified message on social media.

Explanation:

Unverified messages can spread misinformation. The best action is to check the source and confirm the facts before sharing.

So, **Verify before sharing** is the best action.

Thus, correct option is (d).

Q.7 What should come in place of ? in the series based on the English alphabetical order?

KMO, LNP, MOQ, ___ ?

- A. NPR
- B. NQS
- C. ORS
- D. PQT

Answer: A

Sol: Given: KMO, LNP, MOQ, ___ ?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: Letters are increasing + 1 place.

$K + 1 = L, L + 1 = M, M + 1 = N$

$M + 1 = N, N + 1 = O, O + 1 = P$

$O + 1 = P, P + 1 = Q, Q + 1 = R$

So, the missing term is **NPR**.

Thus, correct option is (a).

Q.8 If '+' means 'x', 'x' means '-', '-' means '÷' and '÷' means '+', then find the value of: $8 + 4 \times 12 - 6 \div 5$?

- A. 34
- B. 36
- C. 32
- D. 35

Answer: D

Sol: Given: $8 + 4 \times 12 - 6 \div 5 = ?$

Given Sign $+ \times - \div$

New Sign $\times - \div +$

Using **BODMAS** rule.

Operation preference wise	Symbol
Brackets	$[], , ()$
Orders, of	$(power), \sqrt{(root)}, of$
Division	\div
Multiplication	\times
Addition	$+$
Subtraction	$-$

New equation: $8 \times 4 - 12 \div 6 + 5 = ?$

$8 \times 4 - 2 + 5 = ?$

$32 - 2 + 5 = ?$

$37 - 2 = ?$

? = **35**

Thus, correct option is (d).

Q.9 A student finds a lost ID card on campus. What should they do?

- A. Keep it
- B. Submit it to the office
- C. Throw it away
- D. Ignore it

Answer: B

Sol: Given: A student finds a lost ID card on campus.

Explanation:

Submitting the lost ID card to the campus office is the most responsible action, as it helps return it safely to the rightful owner.

So, **Submit it to the office** should they do.

Thus, correct option is (b).

Q.10 If '#' means '+', '@' means '-', '\$' means '×' and '%' means '÷', then evaluate: $12 \$ 3 @ 4 \% 2$?

- A. 34
- B. 36
- C. 38
- D. 30

Answer: A

Sol: Given: $12 \$ 3 @ 4 \% 2$?

Given Symbol#@\$%

New Sign + - × ÷

Using **BODMAS** rule.

Operation preference wise	Symbol
Brackets	$[], , ()$
Orders, of	$(power), \sqrt{(root)}, of$
Division	÷
Multiplication	×
Addition	+
Subtraction	-

New equation: $12 \times 3 - 4 \div 2 = ?$

$$12 \times 3 - 2 = ?$$

$$36 - 2 = ?$$

$$? = 34$$

Thus, correct option is (a).

Q.11 A figure is rotated 90° clockwise at each step. What will be its orientation after 4 steps?

- A. 90° rotated
- B. 180° rotated
- C. 270° rotated
- D. Original orientation

Answer: D

Sol: Given: A figure is rotated 90° clockwise at each step.

Solution:

Each step rotates the figure 90° clockwise.

After 4 steps:

$$4 \times 90^\circ = 360^\circ$$

A rotation of 360° brings the figure back to its original orientation.

So, **Original orientation** will be its orientation after 4 steps.

Thus, correct option is (d).

Q.12 Knife is to Cut as Pen is to ___?

- A. Write
- B. Draw
- C. Sketch
- D. Paint

Answer: A

Sol: Given: Knife is to Cut as Pen is to ___?

Knife is using for **cut**.

Similarly,

Pen is using for **write**.

Thus, correct option is (a).

Q.13 Which number does not belong?

- A. 343
- B. 512
- C. 729
- D. 625

Answer: D

Sol: Now, we check each options.

Option (a): 343

$$7^3 = 343$$

Option (b): 512

$$8^3 = 512$$

Option (c): 729

$$9^3 = 729$$

Option (d): 625

$$25^2 = 625$$

So, **625** is odd one out.

Thus, correct option is (d).

Q.14 If 4 is to 16, then 5 is to ___?

- A. 20
- B. 25
- C. 30
- D. 15

Answer: B

Sol: Given: If 4 is to 16, then 5 is to ___?

Logic: 1st number² = 2nd number

$$4^2 = 16$$

Similarly,

$$5^2 = 25$$

Thus, correct option is (b).

Q.15 MNOP : PONM :: WXYZ : ___?

- A. ZYXW
- B. YZWX
- C. XWZY
- D. ZWYX

Answer: A

Sol: Given: MNOP : PONM :: WXYZ : ___?

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: Letters are coded as reverse order.

For, MNOP : PONM

MNOP - Reverse order = PONM

Similarly,

WXYZ : ___?

WXYZ - Reverse order = **ZYXW**

Thus, correct option is (a).

Q.16 Medicine is to Cure as Education is to ___

- A. Job
- B. Knowledge
- C. Degree
- D. School

Answer: B

Sol: Given: Medicine is to Cure as Education is to ___

Medicine helps to **cure** diseases.

Similarly,

Education helps to gain **knowledge**.

Thus, correct option is (b).

Q.17 A manager must meet a tight deadline without affecting safety or quality standards. What should be the best course of action?

- A. Skip safety checks
- B. Reduce workforce training
- C. Optimize workflow and resources
- D. Ignore quality standards

Answer: C

Sol: Given: A manager must meet a tight deadline without affecting safety or quality standards.

Explanation:

To meet a tight deadline responsibly, the manager should optimize workflow and use resources efficiently while maintaining safety and quality standards.

So, **Optimize workflow and resources** should be the best course of action.

Thus, correct option is (c).

Q.18 What number completes the series:

4, 9, 15, 22, ___?

- A. 36
- B. 35
- C. 30
- D. 40

Answer: C

Sol: Given: 4, 9, 15, 22, ___?

Logic: Numbers are increasing natural number from 5.

$$4 + 5 = 9$$

$$9 + 6 = 15$$

$$15 + 7 = 22$$

$$22 + 8 = 30$$

So, the missing term is **30**.

Thus, correct option is (c).

Q.19 A box contains 7 green and 3 yellow balls. If one ball is picked at random, what is the probability that it is yellow?

- A. 3/10
- B. 7/10
- C. 1/3
- D. 1/10

Answer: A

Sol: Given: A box contains 7 green and 3 yellow balls. If one ball is picked at random.

Solution:

Total number of balls = $7 + 3 = 10$

Number of yellow balls = 3

Probability of picking a yellow ball = $\frac{3}{10}$

So, **3/10** is the probability that it is yellow.

Thus, correct option is (a).

Q.20 Which word does not belong to the group?

- A. Nepal
- B. India
- C. Sri Lanka
- D. Japan

Answer: D

Sol: Nepal, India and **Sri Lanka** are South Asian countries.

Japan is an East Asian country.

So, **Japan** is odd one out.

Thus, correct option is (d).

Q.21 Wheel is to Car as Wing is to ___

- A. Bird
- B. Plane
- C. Insect
- D. Fly

Answer: B

Sol: Given: Wheel is to Car as Wing is to ___

A **wheel** is an essential part of a **car**.

Similarly,

A **wing** is an essential part of a **plane**.

Thus, correct option is (b).

Q.22 A worker is asked to finish a task quickly by ignoring safety rules. What should they do?

- A. Follow instructions blindly
- B. Ignore safety rules
- C. Leave the job
- D. Complete work safely even if delayed

Answer: D

Sol: Given: A worker is asked to finish a task quickly by ignoring safety rules.

Explanation:

Safety rules exist to prevent accidents and injuries. It's always better to follow safety procedures, even if it takes more time, rather than risking harm by rushing.

So, **Complete work safely even if delayed** should they do.

Thus, correct option is (d).

Q.23 Identify the missing letter in the sequence:

B, E, H, K, ___

- A. L

- B. M
- C. N
- D. O

Answer: C

Sol: Given: B, E, H, K, ___

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

Logic: Letters are increasing + 3 place.

$$B + 3 = E$$

$$E + 3 = H$$

$$H + 3 = K$$

$$K + 3 = N$$

So, the missing term is **N**.

Thus, correct option is (c).

Q.24 Find the odd one out:

- A. Apple
- B. Banana
- C. Mango
- D. Potato

Answer: D

Sol: Apple, Banana and Mango are fruits.

Potato is a vegetable.

So, **Potato** is odd one out.

Thus, correct option is (d).

Q.25 If $\circ = 4$, $\triangle = 6$ and $\square = 5$, what is $\circ \times \triangle + \square$?

- A. 29
- B. 30
- C. 31
- D. 34

Answer: A

Sol: Given:

$$\circ = 4, \triangle = 6, \square = 5$$

Expression: $\circ \times \triangle + \square$

$$= 4 \times 6 + 5$$

$$= 24 + 5$$

$$= 29$$

Thus, correct option is (a).

Q.26 Under the Atal Pension Yojana (APY), the scheme mainly aims to provide:

- A. Health insurance coverage
- B. Pension benefits for workers in the unorganized sector
- C. Free education for children
- D. Housing loans for farmers

Answer: B

Sol: The correct answer is **(B) Pension benefits for workers in the unorganized sector**

Explanation:

- Launched in June 2015, APY replaced the Swavalamban Yojana to provide social security to the unorganized sector.

- Subscribers receive a fixed minimum pension of Rs. 1000 to Rs. 5000 per month after age 60, depending on their contribution.

Information Booster:

- The scheme is administered by the Pension Fund Regulatory and Development Authority (PFRDA) under the National Pension System (NPS) architecture.

Additional Knowledge:

- Health insurance (Option A): Covered under Ayushman Bharat (PM-JAY).
- Free education (Option C): Provided under the Right to Education (RTE) Act.
- Housing (Option D): Covered under Pradhan Mantri Awas Yojana.

Q.27 Which microorganism reproduces through binary fission?

- A. Amoeba
- B. Yeast
- C. Rhizopus
- D. Penicillium

Answer: A

Sol: The correct answer is **(A) Amoeba**

Explanation:

- Binary fission is a type of asexual reproduction where a single parent cell divides into two approximately equal-sized daughter cells.
- In Amoeba, the nucleus divides first (karyokinesis) followed by the division of the cytoplasm (cytokinesis).

Information Booster:

- Binary fission is the primary method of reproduction for prokaryotes (bacteria) and some unicellular eukaryotes.

Additional Knowledge:

- Yeast (Option B): Reproduces primarily through 'Budding'.
- Rhizopus (Option C): Reproduces through 'Spore formation'.
- Penicillium (Option D): A fungi that also reproduces via spores called conidia.

Q.28 What is the term used when supply exceeds demand in a market?

- A. Shortage
- B. Surplus
- C. Inflation
- D. Stagflation

Answer: B

Sol: The correct answer is **(B) Surplus**

Explanation:

- A surplus (or excess supply) occurs when the quantity of a good supplied is greater than the quantity demanded at the existing price.
- Market forces usually push the price down to reach equilibrium when a surplus exists.

Information Booster:

- Market Equilibrium is the point where the supply curve and demand curve intersect.

Additional Knowledge:

- Shortage (Option A): Occurs when demand exceeds supply, leading to upward pressure on prices.
- Inflation (Option C): A general increase in prices and fall in the purchasing value of money.
- Stagflation (Option D): A period of slow economic growth and high unemployment while prices rise.

Q.29 Which organization publishes the World Happiness Report every year?

- A. United Nations Sustainable Development Solutions Network
- B. World Bank
- C. International Monetary Fund
- D. UNESCO

Answer: A

Sol: The correct answer is **(A) United Nations Sustainable Development Solutions Network**

Explanation:

- The World Happiness Report is an annual publication that ranks countries by how happy their citizens perceive themselves to be.
- It uses data primarily from the Gallup World Poll.

Information Booster:

- Variables used for ranking include GDP per capita, social support, healthy life expectancy, freedom, and levels of corruption.

Additional Knowledge:

- World Bank (Option B): Focuses on global poverty reduction and financing for developing nations.
- IMF (Option C): Focuses on global monetary cooperation and financial stability.
- UNESCO (Option D): Focuses on education, science, and cultural heritage.

Q.30 Which Indian state became the first to implement the Right to Health Act in 2023?

- A. Gujarat
- B. Rajasthan
- C. Madhya Pradesh
- D. Kerala

Answer: B

Sol: The correct answer is **(B) Rajasthan**

Explanation:

- The Rajasthan Right to Health Bill was passed in 2023, making it the first state in India to provide legal rights to healthcare for its residents.
- It mandates free emergency treatment at both public and private health facilities.

Information Booster:

- The Act ensures that every resident of the state will have the right to emergency treatment and care without prepayment.

Additional Knowledge:

- Kerala (Option D): While Kerala often leads in health indices, it has not enacted a specific 'Right to Health' legislative act like Rajasthan.

Q.31 Which Article of the Indian Constitution mentions the concept of a Uniform Civil Code (UCC) as a Directive Principle of State Policy?

- A. Article 32
- B. Article 44
- C. Article 19
- D. Article 370

Answer: B

Sol: The correct answer is **(B) Article 44**

Explanation:

- Article 44 states that the 'State shall endeavour to secure for the citizens a uniform civil code throughout the territory of India'.
- It belongs to the Directive Principles of State Policy (Part IV), which are non-justiciable but fundamental to governance.

Information Booster:

- Goa is currently the only state in India that follows a Uniform Civil Code (Portuguese Civil Code of 1867).

Additional Knowledge:

- Article 32 (Option A): Right to Constitutional Remedies (the 'Heart and Soul' of the Constitution).
- Article 19 (Option C): Protection of six rights regarding freedom of speech and expression.

Q.32 What is one of the key incentives provided under the PM-PRANAM Scheme (2023) to encourage states to reduce the use of chemical fertilizers?

- A. Direct cash transfer to farmers
- B. Financial rewards to states for reducing fertilizer subsidy consumption
- C. Free distribution of organic manure

D. Subsidies for pesticide production

Answer: B

Sol: The correct answer is **(B) Financial rewards to states for reducing fertilizer subsidy consumption**

Explanation:

- PM-PRANAM stands for PM Programme for Restoration, Awareness, Nourishment and Amelioration of Mother Earth.
- The Centre will pass on 50% of the fertilizer subsidy savings to States as a grant for development projects.

Information Booster:

- The scheme does not have a separate budget; it is financed through savings on existing fertilizer subsidies.

Additional Knowledge:

- Fertilizer Subsidy: This is a significant burden on the exchequer, and reducing it while promoting organic farming is the primary goal.

Q.33 In which layer of the Earth's atmosphere do most meteors burn up before reaching Earth?

- A. Troposphere
- B. Stratosphere
- C. Mesosphere
- D. Thermosphere

Answer: C

Sol: The correct answer is **(C) Mesosphere**

Explanation:

- The mesosphere is the third layer of the atmosphere, extending from about 50 km to 85 km above the Earth's surface.
- Meteors burn up in this layer due to friction with the gases present, creating 'shooting stars'.

Information Booster:

- The mesosphere is also the coldest layer of the atmosphere, with temperatures reaching as low as -90°C .

Additional Knowledge:

- Troposphere (Option A): Where all weather happens.
- Stratosphere (Option B): Contains the protective ozone layer.
- Thermosphere (Option D): Where the International Space Station orbits and auroras occur.

Q.34 Which Indian space mission was launched to study the Sun from the L1 point?

- A. AstroSat
- B. Chandrayaan-3
- C. Aditya-L1
- D. RISAT-2

Answer: C

Sol: The correct answer is **(C) Aditya-L1**

Explanation:

- Aditya-L1 is the first Indian solar observatory mission launched to study the Sun from a halo orbit around the first Sun-Earth Lagrange point (L1).
- It was launched on September 2, 2023, using the PSLV-C57 rocket.

Information Booster:

- The L1 point is approximately 1.5 million km from Earth and allows for continuous observation of the Sun without eclipses.

Additional Knowledge:

- AstroSat (Option A): India's first dedicated multi-wavelength space observatory.
- Chandrayaan-3 (Option B): Mission that successfully landed near the lunar South Pole.
- RISAT-2 (Option D): A radar-imaging satellite used for reconnaissance.

Q.35 The Himalayan mountain range was formed mainly due to:

- A. Volcanic eruptions
- B. Collision of the Indian and Eurasian tectonic plates
- C. Glacial erosion
- D. Earthquake activity

Answer: B

Sol: The correct answer is **(B) Collision of the Indian and Eurasian tectonic plates**

Explanation:

- The Himalayas are 'Young Fold Mountains' formed by the convergent boundary between the Indo-Australian plate and the Eurasian plate.
- This collision caused the uplifting of the Tethys Sea sediments into high mountain ranges.

Information Booster:

- The process of formation began approximately 40 to 50 million years ago and continues today, making the mountains taller.

Additional Knowledge:

- Volcanic eruptions (Option A): Form volcanic mountains like Mt. Kilimanjaro.
- Glacial erosion (Option C): Shapes existing mountains into features like 'U-shaped valleys'.

Q.36 Which mode of heat transfer occurs without a material medium?

- A. Conduction
- B. Convection
- C. Radiation
- D. Diffusion

Answer: C

Sol: The correct answer is **(C) Radiation**

Explanation:

- Radiation is the transfer of heat in the form of electromagnetic waves.
- It is the only mode of heat transfer that can occur in a vacuum (e.g., sunlight reaching Earth).

Information Booster:

- All hot objects emit thermal radiation, and the amount depends on the object's temperature and surface area.

Additional Knowledge:

- Conduction (Option A): Transfer of heat in solids through direct molecular contact.
- Convection (Option B): Transfer of heat in fluids (liquids and gases) through the actual movement of matter.

Q.37 Which governing body organizes the Indian Premier League (IPL) cricket tournament?

- A. International Cricket Council (ICC)
- B. Board of Control for Cricket in India (BCCI)
- C. Sports Authority of India (SAI)
- D. Indian Olympic Association (IOA)

Answer: B

Sol: The correct answer is **(B) Board of Control for Cricket in India (BCCI)**

Explanation:

- The IPL is a professional Twenty20 cricket league in India founded by the BCCI in 2007.
- It is the most-attended cricket league in the world and ranks highly among all sports leagues.

Information Booster:

- The BCCI is the national governing body for cricket in India and is one of the richest sports boards globally.

Additional Knowledge:

- ICC (Option A): The global governing body for international cricket.
 - SAI (Option C): An agency under the Ministry of Youth Affairs and Sports for promoting sports excellence in India.
-

Q.38 What is the primary objective of the Atal Bhujal Yojana launched by the Government of India?

- A. Promote desalination of seawater
- B. Improve groundwater management and conservation
- C. Increase hydroelectric power generation
- D. Expand irrigation canals

Answer: B

Sol: The correct answer is **(B) Improve groundwater management and conservation**

Explanation:

- Atal Bhujal Yojana (ATAL JAL) is a central sector scheme launched in Dec 2019 to improve groundwater management through community participation.
- It is implemented in seven states: Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, and Uttar Pradesh.

Information Booster:

- The scheme is funded on a 50:50 basis by the Government of India and the World Bank.

Additional Knowledge:

- Canals (Option D): Covered under schemes like PMKSY (Pradhan Mantri Krishi Sinchayee Yojana).

Q.39 Which Indian company operates the Sittwe Port in Myanmar developed under India's Kaladan Multi-Modal Transit Transport Project?

- A. Adani Ports
- B. Indian Ports Global Limited (IPGL)
- C. Shipping Corporation of India
- D. Cochin Port Trust

Answer: B

Sol: The correct answer is **(B) Indian Ports Global Limited (IPGL)**

Explanation:

- IPGL is a joint venture company under the Ministry of Ports, Shipping and Waterways.
- It was established to facilitate India's investments in ports overseas and officially took over operations of Sittwe Port in 2024.

Information Booster:

- IPGL also manages India's interests in the Shahid Beheshti Port at Chabahar, Iran.

Additional Knowledge:

- Sittwe Port: Located at the mouth of the Kaladan River, it provides a gateway for India's landlocked North-Eastern states.

Q.40 The International North-South Transport Corridor (INSTC) aims to connect India mainly with which region?

- A. Africa
- B. Europe and Central Asia
- C. South America
- D. Australia

Answer: B

Sol: The correct answer is **(B) Europe and Central Asia**

Explanation:

- INSTC is a 7,200-km-long multi-mode network of ship, rail, and road routes for moving freight between India, Iran, Azerbaijan, Russia, Central Asia, and Europe.
- It aims to reduce the freight transit time compared to the traditional Suez Canal route.

Information Booster:

- The corridor connects the Indian Ocean and Persian Gulf to the Caspian Sea via Iran, and then onwards to St. Petersburg in Russia and Northern Europe.

Additional Knowledge:

- Member countries include India, Iran, and Russia as founding members, with several other regional countries joining later.

Q.41 Which government scheme focuses on improving the nutrition of pregnant women and children in India?

- A. Beti Bachao Beti Padhao
- B. Poshan Abhiyaan
- C. PM Ujjwala Yojana
- D. Janani Suraksha Yojana

Answer: B

Sol: The correct answer is **(B) Poshan Abhiyaan**

Explanation:

- Poshan Abhiyaan (Prime Minister's Overarching Scheme for Holistic Nourishment) was launched in 2018.
- It aims to reduce levels of stunting, under-nutrition, anemia, and low birth weight in children, pregnant women, and lactating mothers.

Information Booster:

- September is observed as 'Rashtriya Poshan Maah' (National Nutrition Month) in India.

Additional Knowledge:

- Beti Bachao Beti Padhao (Option A): Focuses on the sex ratio and girls' education.
- PM Ujjwala Yojana (Option C): Provides LPG connections.
- Janani Suraksha Yojana (Option D): Promotes institutional delivery to reduce maternal and neonatal mortality.

Q.42 What is the main objective of the Swachh Bharat Mission (SBM) launched by the Government of India?

- A. Promote renewable energy
- B. Improve sanitation and eliminate open defecation
- C. Increase irrigation facilities
- D. Promote digital education

Answer: B

Sol: The correct answer is **(B) Improve sanitation and eliminate open defecation**

Explanation:

- Launched on Oct 2, 2014, SBM aimed to achieve a 'Clean India' by 2019 to mark the 150th birth anniversary of Mahatma Gandhi.
- Its components include construction of household toilets, community toilets, and solid waste management.

Information Booster:

- SBM-Urban 2.0 and SBM-Gramin Phase II were launched in 2021 to sustain Open Defecation Free (ODF) status and focus on ODF Plus.

Additional Knowledge:

- Renewable energy (Option A): Covered under missions like the National Solar Mission.

Q.43 Which Indian state has the second highest literacy rate according to the 2011 Census?

- A. Kerala
- B. Mizoram
- C. Tamil Nadu
- D. Maharashtra

Answer: B

Sol: The correct answer is **(B) Mizoram**

Explanation:

- As per the 2011 Census, Kerala has the highest literacy rate at 94%.
- Mizoram follows with 91.33%, making it the second-highest among states.

Information Booster:

- Among Union Territories, Lakshadweep has the highest literacy rate (91.85%).

Additional Knowledge:

- Bihar (lowest): Had the lowest literacy rate at 61.80% in the 2011 Census.
- Male vs Female: The national gap in literacy was around 16% in 2011.

Q.44 What is the term used for the study of human culture, societies, and their development?

- A. Sociology
- B. Anthropology
- C. Demography
- D. Economics

Answer: B

Sol: The correct answer is **(B) Anthropology**

Explanation:

- Anthropology is the scientific study of humanity, concerned with human behavior, human biology, cultures, and societies.
- It includes subfields like archaeology, cultural anthropology, and linguistic anthropology.

Information Booster:

- Cultural anthropology specifically explores the social and cultural organization of living people.

Additional Knowledge:

- Sociology (Option A): The study of social life, social change, and the social causes and consequences of human behavior.
- Demography (Option C): The statistical study of human populations (births, deaths, income).
- Economics (Option D): The study of production, distribution, and consumption of goods and services.

Q.45 Who is known as the Iron Man of India?

- A. Mahatma Gandhi
- B. Jawaharlal Nehru
- C. Sardar Vallabhbhai Patel
- D. Subhash Chandra Bose

Answer: C

Sol: The correct answer is **(C) Sardar Vallabhbhai Patel**

Explanation:

- Sardar Patel was the first Deputy Prime Minister and Home Minister of India.
- He earned the title 'Iron Man' for his strong leadership in the political integration of over 560 princely states into the Indian Union.

Information Booster:

- His birth anniversary, October 31, is celebrated as 'National Unity Day' (Rashtriya Ekta Diwas).

Additional Knowledge:

- Mahatma Gandhi (Option A): Known as the 'Father of the Nation'.
- Jawaharlal Nehru (Option B): Known as 'Chacha Nehru' and the first PM.
- Subhash Chandra Bose (Option D): Known as 'Netaji'.

Q.46 Who appoints the Governor of an Indian state?

- A. Prime Minister
- B. President of India
- C. Chief Justice of India

D. Parliament

Answer: B

Sol: The correct answer is **(B) President of India**

Explanation:

- According to Article 155 of the Indian Constitution, the Governor of a State is appointed by the President by warrant under his hand and seal.
- The Governor holds office during the pleasure of the President (Article 156).

Information Booster:

- While the President appoints the Governor, the oath of office is administered by the Chief Justice of the concerned High Court.

Additional Knowledge:

- Prime Minister (Option A): Head of the Council of Ministers which advises the President.
- Chief Justice (Option C): Administers the oath to the President.

Q.47 The Gandhara school of art mainly flourished during which dynasty?

- A. Maurya Dynasty
- B. Kushan Dynasty
- C. Gupta Dynasty
- D. Chola Dynasty

Answer: B

Sol: The correct answer is **(B) Kushan Dynasty**

Explanation:

- The Gandhara school of art developed between the 1st and 5th centuries AD, peaking during the reign of Kushan ruler Kanishka.
- It is characterized by the fusion of Indian and Greek/Roman styles, often called 'Greco-Buddhist' art.

Information Booster:

- Unlike the Mathura school, which used red sandstone, the Gandhara school primarily used bluish-grey schist and stucco.

Additional Knowledge:

- Maurya Dynasty (Option A): Known for monolithic pillars and caves.
- Gupta Dynasty (Option C): Known for the Sarnath school and classical icons.

Q.48 The folk dance Garba is traditionally associated with which Indian state?

- A. Punjab
- B. Gujarat
- C. Rajasthan
- D. Maharashtra

Answer: B

Sol: The correct answer is **(B) Gujarat**

Explanation:

- Garba is a traditional dance of Gujarat performed during the nine-day Navratri festival.
- The dance is traditionally performed in a circle around a centrally lit lamp or an image/statue of Goddess Shakti.

Information Booster:

- In Dec 2023, UNESCO inscribed 'Garba of Gujarat' on the Representative List of Intangible Cultural Heritage of Humanity.

Additional Knowledge:

- Punjab (Option A): Known for Bhangra and Gidda.
- Rajasthan (Option C): Known for Ghoomar and Kalbelia.
- Maharashtra (Option D): Known for Lavani and Lezim.

Q.49 How many players from each team are present on the court at one time in a basketball game?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: B

Sol: The correct answer is **(B) 5**

Explanation:

- A standard basketball game is played between two teams of five players each on a rectangular court.
- Each player has specific roles: Point Guard, Shooting Guard, Small Forward, Power Forward, and Center.

Information Booster:

- The sport was invented by Dr. James Naismith in 1891 in Springfield, Massachusetts.

Additional Knowledge:

- 7 players (Option D): Number of players in a Kabaddi or Handball team on the court/field.

Q.50 Which famous novel was written by R.K. Narayan?

- A. Untouchable
- B. The Guide
- C. Train to Pakistan
- D. Midnight's Children

Answer: B

Sol: The correct answer is **(B) The Guide**

Explanation:

- 'The Guide' (1958) is one of R.K. Narayan's most famous works, set in the fictional South Indian town of Malgudi.
- It won the Sahitya Akademi Award for English in 1960 and was later adapted into a classic film.

Information Booster:

- R.K. Narayan created the fictional town of 'Malgudi', which served as the backdrop for most of his stories.

Additional Knowledge:

- Untouchable (Option A): Written by Mulk Raj Anand.
- Train to Pakistan (Option C): Written by Khushwant Singh.
- Midnight's Children (Option D): Written by Salman Rushdie.

Q.51 What is the value of $\frac{9\sqrt{24}}{3\sqrt{3}}$?

- A. $3\sqrt{6}$
- B. $6\sqrt{2}$
- C. $2\sqrt{6}$
- D. $9\sqrt{2}$

Answer: B

Sol: Given:

The expression is $\frac{9\sqrt{24}}{3\sqrt{3}}$

Formula Used:

$$\frac{\sqrt{a}}{\sqrt{b}} = \sqrt{\frac{a}{b}}$$

Solution:

First, divide the integers:

$$\frac{9}{3} = 3$$

Next, divide the square roots using the formula:

$$\frac{\sqrt{24}}{\sqrt{3}} = \sqrt{\frac{24}{3}}$$

$$\sqrt{\frac{24}{3}} = \sqrt{8}$$

Simplify the square root of 8:

$$\sqrt{8} = \sqrt{4 \times 2} = 2\sqrt{2}$$

Now, multiply the integer part and the square root part:

$$3 \times 2\sqrt{2} = 6\sqrt{2}$$

Final Answer

So the correct answer is (b)

Q.52 Which of the following statements is true?

- A. Every integer is a whole number.
- B. Every rational number is an integer.
- C. Every irrational number is a real number.
- D. Every real number is a rational number.

Answer: C

Sol: Given:

Four statements about number systems.

Solution:

Let us evaluate each option systematically.

Option A: Every integer is a whole number. This is false because negative integers like -5 are not whole numbers.

Option B: Every rational number is an integer. This is false because fractions like $\frac{1}{2}$ are rational but not integers.

Option C: Every irrational number is a real number. This is true. The set of real numbers is composed of both rational and irrational numbers.

Option D: Every real number is a rational number. This is false because real numbers also include irrational numbers like $\sqrt{2}$.

Final Answer

So the correct answer is (c)

Q.53 Identify the correct decimal equivalent of $\frac{135}{8}$.

- A. 16.625
- B. 16.875
- C. 16.375
- D. 17.125

Answer: B

Sol: Given:

The fraction is $\frac{135}{8}$

Solution:

Divide 135 by 8.

$$135 \div 8 = 16$$

The remainder is 7.

So, the fraction can be written as a mixed number:

$$16 + \frac{7}{8}$$

Convert the fractional part to a decimal:

$$\frac{7}{8} = 0.875$$

Add the whole number and the decimal part:

$$16 + 0.875 = 16.875$$

Final Answer

So the correct answer is (b)

Q.54 A vendor sells 3.5 kg of onions at ₹40/kg and 2.25 kg of tomatoes at ₹60/kg. What is the total cost of the vegetables?

- A. ₹265.00
- B. ₹275.50
- C. ₹275.00
- D. ₹280.00

Answer: C

Sol: Given:

Quantity of onions = 3.5 kg
 Rate of onions = ₹40 per kg
 Quantity of tomatoes = 2.25 kg
 Rate of tomatoes = ₹60 per kg

Formula Used:

Total Cost = Quantity × Rate

Solution:

Calculate the cost of onions:

$$\text{Cost} = 3.5 \times 40 = 140$$

Calculate the cost of tomatoes:

$$\text{Cost} = 2.25 \times 60 = 135$$

Calculate the total cost:

$$\text{Total} = 140 + 135 = 275$$

Final Answer

So the correct answer is (c)

Q.55 What is the square of 83?

- A. 6789
- B. 6889
- C. 6989
- D. 6899

Answer: B

Sol: Given:

The number is 83

Formula Used:

$$(a + b)^2 = a^2 + 2ab + b^2$$

Solution:

We can express 83 as 80 + 3.

Apply the algebraic identity:

$$(80 + 3)^2 = 80^2 + 2 \times 80 \times 3 + 3^2$$

$$= 6400 + 480 + 9$$

$$= 6889$$

Final Answer

So the correct answer is (b)

Q.56 Train A and Train B take 5 hours 45 minutes and 4 hours 30 minutes respectively to travel a certain distance. What is the ratio of their travel times in the lowest form?

- A. 25:18
- B. 23:18
- C. 20:17
- D. 18:23

Answer: B

Sol: Given:

Time taken by Train A = 5 hours 45 minutes

Time taken by Train B = 4 hours 30 minutes

Formula Used:

1 hour = 60 minutes

Solution:

Convert the time taken by Train A into minutes:

$$5 \times 60 + 45 = 300 + 45 = 345$$

Convert the time taken by Train B into minutes:

$$4 \times 60 + 30 = 240 + 30 = 270$$

Find the ratio of their times:

$$\frac{345}{270}$$

$$\frac{270}{270}$$

Simplify the fraction by dividing both the numerator and the denominator by 15:

$$\frac{345 \div 15}{270 \div 15} = \frac{23}{18}$$

Final Answer

So the correct answer is (b)

Q.57 In 5 hours, a truck completes a journey of 300 km. If its speed is increased by 20%, how much time will it take to cover 360 km?

- A. 4.5 hours
- B. 5 hours
- C. 5.5 hours
- D. 6 hours

Answer: B

Sol: Given:

Initial distance = 300 km
 Initial time = 5 hours
 Speed increase = 20%
 New distance = 360 km

Formula Used:

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

$$\text{Time} = \frac{\text{Distance}}{\text{Speed}}$$

Solution:

Calculate the initial speed of the truck:

$$\frac{300}{5} = 60$$

Calculate the new speed after a 20% increase:

$$60 + 60 \times \frac{20}{100} = 60 + 12 = 72$$

Calculate the time required to cover the new distance with the new speed:

$$\frac{360}{72} = 5$$

Final Answer

So the correct answer is (b)

Q.58 A student scores 65%, 70%, and 90% in three subjects. What is the average percentage?

- A. 72.5%
- B. 75%
- C. 78%
- D. 80%

Answer: B

Sol: Given:

Score in Subject 1 = 65%
 Score in Subject 2 = 70%
 Score in Subject 3 = 90%
 Number of subjects = 3

Formula Used:

$$\text{Average} = \frac{\text{Sum}}{\text{Count}}$$

Solution:

Find the total sum of all percentages:

$$65 + 70 + 90 = 225$$

Divide the total sum by the number of subjects:

$$\frac{225}{3} = 75$$

Final Answer

So the correct answer is (b)

Q.59 Find the average of the first n even natural numbers.

- A. n
- B. n+1
- C. n/2
- D. 2n-1

Answer: B

Sol: Given:

The sequence consists of the first n even natural numbers.

Formula Used:

Sum of the first n even natural numbers = $n(n + 1)$

$$\text{Average} = \frac{\text{Sum}}{\text{Count}}$$

Solution:

The sum of the first n even numbers is given by = $n(n + 1)$

To find the average, divide this sum by the total number of terms, which is n:

$$= \frac{n(n + 1)}{n}$$

Simplify the expression by canceling out n: $n + 1$

Final Answer

So the correct answer is (b)

Q.60 40% of a number is 120. What is the number?

- A. 240
- B. 280
- C. 300
- D. 360

Answer: C

Sol: Given:

40% of a number is equal to 120.

Solution:

Let the unknown number be x.

$$\frac{40}{100} \times x = 120$$

Rearrange the equation to solve for x:

$$x = \frac{120 \times 100}{40}$$

$$x = 3 \times 100$$

$$x = 300$$

Final Answer

So the correct answer is (c)

Q.61 Out of 800 employees, 45% are females. 20% of the females are in management. How many females are in management?

- A. 64
- B. 72
- C. 80
- D. 96

Answer: B

Sol: Given:

Total employees = 800

Percentage of females = 45%

Percentage of females in management = 20%

Formula Used:

$$\text{Value} = \text{Total} \times \frac{\text{Percentage}}{100}$$

Solution:

Calculate the total number of female employees:

$$800 \times \frac{45}{100} = 360$$

Calculate the number of female employees in management:

$$= 360 \times \frac{20}{100}$$

$$= 360 \times 0.20 = 72$$

Final Answer

So the correct answer is (b)

Q.62 The cost price of an article is ₹250, and it is sold for ₹210. What is the percentage loss?

- A. 12%
- B. 15%
- C. 16%
- D. 18%

Answer: C

Sol: Given:

Cost Price (CP) = ₹250
Selling Price (SP) = ₹210

Formula Used:

$$\text{Loss} = \text{CP} - \text{SP}$$

$$\text{Loss \%} = \frac{\text{Loss}}{\text{CP}} \times 100$$

Solution:

Calculate the total loss:

$$250 - 210 = 40$$

Calculate the percentage loss:

$$= \frac{40}{250} \times 100$$

$$= \frac{4}{25} \times 100 = 4 \times 4 = 16$$

Final Answer

So the correct answer is (c)

Q.63 A gadget costs ₹1,200 and is sold for ₹1,020. What is the loss percentage?

- A. 12%
- B. 15%
- C. 18%
- D. 20%

Answer: B

Sol: Given:

Cost Price (CP) = ₹1,200
Selling Price (SP) = ₹1,020

Formula Used:

$$\text{Loss} = \text{CP} - \text{SP}$$

$$\text{Loss \%} = \frac{\text{Loss}}{\text{CP}} \times 100$$

Solution:

Calculate the total loss amount:

$$1200 - 1020 = 180$$

Calculate the loss percentage:

$$= \frac{180}{1200} \times 100$$

$$= \frac{180}{12} = 15$$

Final Answer

So the correct answer is (b)

Q.64 A watch is marked at ₹5,000 and sold for ₹4,200. What is the percentage discount?

- A. 14%
- B. 15%
- C. 16%
- D. 18%

Answer: C

Sol: Given:

Marked Price (MP) = ₹5,000
Selling Price (SP) = ₹4,200

Formula Used:

$$\text{Discount} = \text{MP} - \text{SP}$$

$$\text{Discount \%} = \frac{\text{Discount}}{\text{MP}} \times 100$$

Solution:

Calculate the discount amount:

$$5000 - 4200 = 800$$

Calculate the percentage discount:

$$= \frac{800}{5000} \times 100$$

$$= \frac{800}{50} = 16$$

Final Answer

So the correct answer is (c)

Q.65 A retailer sells a jacket at a 20% discount and still makes a 25% profit. What is the cost price if the marked price is ₹3,000?

- A. ₹1,850.00
- B. ₹1,920.00
- C. ₹2,000.00
- D. ₹2,150.00

Answer: B

Sol: Given:

Marked Price (MP) = ₹3,000

Discount Percentage = 20%

Profit Percentage = 25%

Formula Used:

$$\text{Selling Price (SP)} = \text{MP} \times \left(1 - \frac{\text{Discount}}{100}\right)$$

$$\text{Cost Price (CP)} = \frac{\text{SP}}{1 + \frac{\text{Profit}}{100}}$$

Solution:

Calculate the Selling Price after the discount:

$$\text{SP} = 3000 \times \left(1 - \frac{20}{100}\right)$$

$$\text{SP} = 3000 \times 0.80 = 2400$$

Calculate the Cost Price considering the profit:

$$\text{CP} = \frac{2400}{1 + \frac{25}{100}}$$

$$\text{CP} = \frac{2400}{1.25}$$

$$\text{CP} = 1920$$

Final Answer

So the correct answer is (b)

Q.66 P can complete a work in 15 days and Q can complete it in 10 days. How long will they take together?

- A. 5 days
- B. 6 days
- C. 7.5 days
- D. 8 days

Answer: B

Sol: Given:

Time taken by P = 15 days

Time taken by Q = 10 days

Formula Used:

$$\frac{1}{T} = \frac{1}{x} + \frac{1}{y}$$

$$\text{Time together } T = \frac{xy}{x + y}$$

Solution:

Substitute the values into the formula:

$$\frac{1}{T} = \frac{1}{15} + \frac{1}{10}$$

$$\frac{1}{T} = \frac{2+3}{30}$$

$$\frac{1}{T} = \frac{5}{30}$$

$$\frac{1}{T} = \frac{1}{6}$$

$$T = 6 \text{ days}$$

So the correct answer is (b).

Q.67 X can finish a project in 24 days, and Y can do it in 36 days. If they work together for 6 days, what fraction of the work remains to be done?

- A. 5/12
- B. 1/2
- C. 7/12
- D. 5/6

Answer: C

Sol: Given:

Time taken by X = 24 days

Time taken by Y = 36 days

Days worked together = 6 days

Formula Used:

$$\text{Work done by A in 1 day} = \frac{1}{\text{Time}}$$

Total work remaining = 1 - Work completed

Solution:

Find the 1-day work of X and Y:

$$\text{X's 1-day work} = \frac{1}{24}$$

$$\text{Y's 1-day work} = \frac{1}{36}$$

Find their combined 1-day work:

$$\frac{1}{24} + \frac{1}{36} = \frac{3+2}{72} = \frac{5}{72}$$

Calculate the total work done in 6 days:

$$6 \times \frac{5}{72} = \frac{30}{72} = \frac{5}{12}$$

Calculate the remaining work:

$$1 - \frac{5}{12} = \frac{7}{12}$$

Final Answer

So the correct answer is (c)

Q.68 A train travels 120 km in 2.5 hours and returns the same distance in 3.5 hours. What is the average speed?

- A. 35 km/h
- B. 38 km/h
- C. 40 km/h
- D. 42 km/h

Answer: C

Sol: Given:

Distance one way = 120 km

Time taken for the forward journey = 2.5 hours

Time taken for the return journey = 3.5 hours

Formula Used:

$$\text{Average Speed} = \frac{\text{Total Distance}}{\text{Total Time}}$$

Solution:

Calculate the total distance covered:

$$120 + 120 = 240$$

Calculate the total time taken:

$$2.5 + 3.5 = 6$$

Calculate the average speed:

$$\frac{240}{6} = 40$$

Final Answer

So the correct answer is (c)

Q.69 Two cars start simultaneously from points A and B, which are 280 km apart, and head towards each other. They meet after 4 hours. If the speed of one car is 40 km/h, what is the speed of the other car?

- A. 25 km/h
- B. 30 km/h
- C. 35 km/h
- D. 40 km/h

Answer: B

Sol: Given:

Total distance = 280 km

Meeting time = 4 hours

Speed of the first car = 40 km/h

Formula Used:

$$\text{Relative Speed} = \frac{\text{Total Distance}}{\text{Time}}$$

$$\text{Relative Speed (opposite directions)} = S_1 + S_2$$

Solution:

Calculate the relative speed of the two cars:

$$\frac{280}{4} = 70$$

Since the cars are moving towards each other, their relative speed is the sum of their individual speeds.

Let the speed of the second car be S_2 :

$$40 + S_2 = 70$$

Solve for the speed of the second car:

$$S_2 = 70 - 40 = 30$$

Final Answer

So the correct answer is (b)

Q.70 At what annual simple interest rate will a sum of money triple itself in 10 years?

- A. 15%
- B. 20%
- C. 25%
- D. 30%

Answer: B

Sol: Given:

The amount becomes three times the principal.

Time (T) = 10 years

Formula Used:

Amount = Principal + Simple Interest

$$\text{Simple Interest (SI)} = \frac{P \times R \times T}{100}$$

Solution:

Let the principal be P.

Since the sum triples, the amount is 3P.

Calculate the Simple Interest generated:

$$SI = 3P - P = 2P$$

Substitute the values into the Simple Interest formula:

$$2P = \frac{P \times R \times 10}{100}$$

$$2 = \frac{R \times 10}{100}$$

$$2 = \frac{R}{10}$$

$$R = 20$$

Final Answer

So the correct answer is (b)

Q.71 What is the area of a right-angled triangle with a base of 14 cm and a height of 8 cm?

- A. 48 cm²
- B. 56 cm²
- C. 64 cm²
- D. 112 cm²

Answer: B

Sol: Given:

Base of the triangle = 14 cm

Height of the triangle = 8 cm

Formula Used:

$$\text{Area} = \frac{1}{2} \times \text{Base} \times \text{Height}$$

Solution:

Substitute the given values into the area formula:

$$\begin{aligned}\text{Area} &= \frac{1}{2} \times 14 \times 8 \\ &= 7 \times 8 = 56\end{aligned}$$

Final Answer

So the correct answer is (b)

Q.72 How many parallel tangents can a circle have at most?

- A. 1
- B. 2
- C. 4
- D. Infinitely many

Answer: B

Sol: Given:

A circle and a line acting as a tangent.

Solution:

A tangent is a straight line that touches the circle at exactly one single point. For any given secant or line direction across a circle, there are only two tangent lines that can be drawn strictly parallel to it. These two parallel tangents touch the circle at the opposite end points of a diameter.

Final Answer

So the correct answer is (b)

Q.73 A conical tent has a slant height of 15 m and a base radius of 8 m. What is its curved surface area? (Use $\pi = 3.14$)

- A. 360.5 m²
- B. 376.8 m²
- C. 382.4 m²
- D. 390.0 m²

Answer: B

Sol: Given:

Slant height (l) = 15 m

Base radius (r) = 8 m

Formula Used:

Curved Surface Area (CSA) of cone = $\pi r l$

Solution:

Substitute the values into the CSA formula:

$$\text{CSA} = 3.14 \times 8 \times 15$$

$$= 3.14 \times 120 = 376.8$$

Final Answer

So the correct answer is (b)

Q.74 A solid hemisphere with a radius of 6 cm is completely polished. Find its total surface area. (Use $\pi=3.14$)

- A. 339.12 cm²
- B. 226.08 cm²
- C. 452.16 cm²
- D. 314.50 cm²

Answer: A

Sol: Given:

Radius of the hemisphere (r) = 6 cm

Value of π = 3.14

Formula Used:

Total Surface Area (TSA) of a solid hemisphere = $3\pi r^2$

Solution:

Substitute the given values into the formula:

$$\text{TSA} = 3 \times 3.14 \times 6^2$$

$$= 3 \times 3.14 \times 36$$

$$= 9.42 \times 36 = 339.12$$

Final Answer

So the correct answer is (a)

Q.75 A square is a special type of rectangle where: Which of the following correctly describes why a square is considered a special type of rectangle?

- A. The opposite sides are parallel but unequal.
- B. All four sides are of equal length.
- C. The diagonals intersect at 60 degrees.
- D. Only two adjacent sides are equal.

Answer: B

Sol: Given:

The geometrical relationship between a square and a rectangle.

Formula Used:

Properties of Quadrilaterals.

Solution:

A rectangle is defined as a quadrilateral where all four interior angles are exactly 90 degrees. A square fulfills this foundational requirement, making every square a rectangle. The uniquely defining property that makes a square a "special" rectangle is that all four of its sides are of equal length, whereas a standard rectangle only requires opposite sides to be equal.

Final Answer

So the correct answer is (b)

Q.76 Fill in the blank with the most appropriate option:

Of all the proposals submitted, the board approved the ___ viable plan for urban development.

- A. more
- B. much
- C. most
- D. mostly

Answer: C

Sol:

Explanation

The correct option to fill in the blank is (c) most.

The sentence compares more than two proposals ("Of all the proposals submitted"). In English grammar, when comparing more than two items, the superlative degree of the adjective must be used. "Most" is the superlative form used with multi-syllabic adjectives like "viable". (दिए गए सभी प्रस्तावों में से, बोर्ड ने शहरी विकास के लिए सबसे व्यावहारिक योजना को मंजूरी दी।)

Example: Out of all the students in the class, she is the **most** diligent.

Why other options are incorrect

- **more:** This is the comparative degree, used when comparing only two items. (दो वस्तुओं की तुलना के लिए उपयोग किया जाता है।)
- **much:** This is an adverb or determiner used with uncountable nouns or to emphasize a comparative; it does not fit the superlative requirement here. (अगणनीय संज्ञाओं के साथ प्रयोग किया जाता है।)
- **mostly:** This is an adverb meaning 'mainly' or 'for the most part', which does not grammatically fit before the adjective "viable" in this comparative context. (मुख्य रूप से।)

Information Booster

The definite article 'the' usually precedes superlative adjectives (e.g., the tallest, the most beautiful, the most viable). This is a key marker that a superlative degree is required.

So the correct answer is (c)

Q.77 Rearrange the following sentences in correct order to make a meaningful passage.

1. The findings were then cross-referenced with existing literature.
2. A hypothesis was formulated based on preliminary observations.
3. Data was systematically collected using standardised instruments.
4. Conclusions were drawn and recommendations were proposed.

- A. 2-3-1-4
- B. 3-1-2-4
- C. 1-2-3-4
- D. 4-3-1-2

Answer: A

Sol:

Explanation

Option (a) is the correct order of the given sentences. The passage describes a logical scientific research process.

- **Sentence 2** is the opening sentence as it sets the foundation of the process: formulating a hypothesis based on initial observations.
- **Sentence 3** logically follows, as once a hypothesis is set, the next step is the systematic collection of data.
- **Sentence 1** follows the data collection, explaining that the findings (results of the data) were cross-referenced with existing studies.
- **Sentence 4** is the concluding sentence, where the final results lead to drawing conclusions and proposing recommendations.

This 2-3-1-4 sequence follows a chronological and logical progression of a research study.

So the correct answer is (a)

Q.78 Find the part of the sentence that contains an error:

Unless the delegates (1)/ arrive at the venue on time (2)/ the inaugural session (3)/ would already be commenced. (4)

- A. (1)
- B. (2)
- C. (3)
- D. (4)

Answer: D

Sol:

Explanation

Option (d) contains an error. The sentence uses a first conditional structure ("Unless" + Present Tense), which implies a future consequence. The phrase "would already be commenced" is grammatically incorrect in both tense and voice. It should be replaced with "will have already commenced" or "will already have started". Furthermore, "commence" is typically used in the active voice for events (e.g., "the session commences").

Grammatical Rule Used

In a conditional sentence starting with "Unless" (if not) followed by the simple present tense in the subordinate clause, the main clause should generally use the future tense (will + verb). To indicate an action completed by a certain future time, the Future Perfect tense (will have + past participle) is used.

Example: Unless you study hard, you **will fail** the exam. (Not: would fail).

So the correct answer is (d)

Q.79 Identify the misspelt word:

- A. Ephemeral
- B. Ebullience
- C. Surreptitious
- D. Magnanimious

Answer: D

Sol:

Explanation

Option (d) is the incorrectly spelt word.

Correct spelling is: "**Magnanimous**", which means very generous or forgiving, especially toward a rival or someone less powerful than oneself. (उदार)

Example: He was **magnanimous** enough to forgive those who had betrayed him.

Meanings of all the given options

- **Ephemeral:** Lasting for a very short time. (अल्पकालिक)
- **Ebullience:** The quality of being cheerful and full of energy. (जोश/उत्साह)
- **Surreptitious:** Kept secret, especially because it would not be approved of. (गुप्त)
- **Magnanimous:** (Corrected form) Generous in forgiving an insult or injury. (उदार)

So the correct answer is (d)

Q.80 Select the most appropriate synonym of the given word: OBSEQUIOUS

- A. Insolent
- B. Servile
- C. Candid
- D. Indifferent

Answer: B

Sol:

Explanation

The correct synonym of the given word is (b) Servile.

Obsequious: Obedient or attentive to an excessive or servile degree; attempting to win favor from influential people by flattery. (चापलूसी करने वाला/चापलूस)

Example: The waiter was **obsequious**, constantly bowing and asking if everything was to the master's liking.

Servile: Having or showing an excessive willingness to serve or please others; characteristic of a slave. (गुलाम जैसा/चापलूसीपूर्ण)

Example: He had a servile attitude that annoyed his independent colleagues.

Synonyms: Fawning, Sycophantic, Subservient, Cringing.

Antonyms: Domineering, Assertive, Arrogant, Independent.

Meanings of other options

- **Insolent:** Showing a rude and arrogant lack of respect. (ढीठ/असभ्य)
- **Candid:** Truthful and straightforward; frank. (स्पष्टवादी)
- **Indifferent:** Having no particular interest or sympathy; unconcerned. (उदासीन)

So the correct answer is (b)

Q.81 Rearrange the following sentences in correct order to make a meaningful passage.

1. Grievances submitted online are assigned unique tracking identifiers.
2. Designated officers are alerted automatically upon case assignment.
3. Resolution timelines are monitored through a centralised dashboard.
4. Verified complaints are escalated to the appropriate department.

- A. 3-2-4-1
B. 1-4-2-3
C. 2-1-3-4
D. 4-1-2-3

Answer: B

Sol:

Explanation

Option (b) is the correct order of the given sentences. This passage outlines a systematic workflow for handling grievances.

- **Sentence 1** introduces the first step: the submission of grievances and the assignment of tracking IDs.
- **Sentence 4** naturally follows, explaining that once submitted, these complaints are verified and then escalated to the correct department.
- **Sentence 2** describes the notification process: once assigned to a department/case, officers are alerted.
- **Sentence 3** concludes the sequence by describing the final oversight phase: monitoring the resolution through a dashboard.

The sequence 1-4-2-3 follows the logical lifecycle of a complaint from submission to monitoring.

So the correct answer is (b)

Q.82 Improve the sentence by selecting the appropriate tense of the highlighted word.

She works at the research institute for six years before she accepted the professorship.

- A. has worked
B. was working
C. had worked
D. would work

Answer: C

Sol:

Explanation

The correct substitution of the highlighted word is (c) had worked.

The sentence describes two actions in the past: working at the institute and accepting a professorship. The action of working occurred for a duration ("for six years") before the second action (accepting the professorship). To express an action that was completed before another action in the past, the Past Perfect tense is used.

Grammatical Rule Used

The **Past Perfect Tense** (had + past participle) is used to show that one past action happened before another past action. The earlier action takes the Past Perfect form, while the later action takes the Simple Past form.

Example: The train **had left** before I reached the station.

Information Booster

While "had been working" (Past Perfect Continuous) could also be correct to emphasize the duration, "had worked" (Past Perfect) is the most suitable among the given options to show the sequence of events.

So the correct answer is (c)

Q.83 Convert the sentence provided below from its passive voice structure to an active voice structure:

The annual targets had been surpassed by the sales division before the quarter ended.

- A. The sales division has surpassed the annual targets before the quarter ended.
- B. The sales division surpasses the annual targets before the quarter ended.
- C. The sales division was surpassing the annual targets before the quarter ended.
- D. The sales division had surpassed the annual targets before the quarter ended.

Answer: D

Sol:

Explanation

The correct active voice of the given sentence is (d).

The original sentence is in the Past Perfect tense of Passive Voice (had + been + V3). When converting this to Active Voice, the structure changes to (Subject + had + V3 + Object).

Structure

- **Passive Voice:** Object + had + been + V3 + by + Subject. (The annual targets + had + been + surpassed + by + the sales division...)
- **Active Voice:** Subject + had + V3 + Object. (The sales division + had + surpassed + the annual targets...)

Why other options are incorrect

- **Option A:** Uses "has surpassed" (Present Perfect), which changes the tense.
- **Option B:** Uses "surpasses" (Simple Present), which changes the tense.
- **Option C:** Uses "was surpassing" (Past Continuous), which changes the tense.

So the correct answer is (d)

Q.84 Choose the correct meaning of the idiom: Burn the midnight oil

- A. To destroy important documents
- B. To work or study late into the night
- C. To waste resources carelessly
- D. To ignite a long-standing rivalry

Answer: B

Sol:

Explanation

Option (b) is the correct meaning of the given idiom.

Burn the midnight oil: This means to stay up late at night to work or study. (देर रात तक जागकर कड़ी मेहनत करना या पढ़ाई करना।)

Example: If you want to clear the civil services exam, you will have to **burn the midnight oil** for several months.

Other related idioms and their meanings

- **Hit the sack:** To go to bed to sleep.
- **Pull an all-nighter:** To stay awake all night to study or work.
- **Early bird:** Someone who wakes up very early.

So the correct answer is (b)

Q.85 Rearrange the following sentences in correct order to make a meaningful sentence.

P: must be strengthened immediately Q: to counter the rise of misinformation R: media literacy programmes S: across educational institutions

- A. PRQS
- B. RSPM
- C. RSPQ
- D. QRSP

Answer: C

Sol:

Explanation

Option (c) is the correct order of the given parts to form a meaningful sentence.

- The sentence must start with a subject. **Part R** ("media literacy programmes") serves as the noun phrase/subject.
- **Part S** ("across educational institutions") acts as a prepositional phrase qualifying where these programmes are located.
- **Part P** ("must be strengthened immediately") provides the verb phrase/predicate, stating what needs to happen to the subject.
- **Part Q** ("to counter the rise of misinformation") provides the purpose or infinitive clause, completing the thought.

The full sentence becomes: "Media literacy programmes across educational institutions must be strengthened immediately to counter the rise of misinformation."

So the correct answer is (c)

Q.86 A sentence is provided in indirect speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding direct speech.

The supervisor warned the trainees that if they had not submitted their reports by Friday, their assessments would not be graded.

- A. "Your assessments will not be graded if you don't submit your reports by Friday," the supervisor warned.
- B. "If you haven't submitted by Friday, your work won't be assessed," the supervisor said.
- C. "Submit your reports by Friday or face cancellation of your assessments," said the supervisor.
- D. "If you have not submitted your reports by Friday, your assessments won't be graded," warned the supervisor.

Answer: D

Sol:

Explanation

The correct direct speech is (d).

When converting from indirect to direct speech, we reverse the tense changes. The indirect sentence uses "had not submitted" (Past Perfect), which usually stems from "have not submitted" (Present Perfect) or "did not submit" (Simple Past) in direct speech. Similarly, "would not be" changes back to "won't be" (will not be).

In option (d), "have not submitted" becomes "had not submitted" and "won't be" becomes "would not be" when shifted back to indirect. Option (a) is similar but uses "don't submit" (Simple Present), which would change to "didn't submit" in indirect speech. Therefore, (d) is the most precise grammatical match.

So the correct answer is (d)

Q.87 Select the correctly spelt word meaning 'the practice of claiming to have higher moral standards than is the case'.

- A. Hipocracy
- B. Hypocrisy
- C. Hypocrisy
- D. Hypocracy

Answer: C**Sol:**

Explanation

Option (c) is the correctly spelt word.

Correct spelling is: "**Hypocrisy**", which refers to the practice of claiming to have higher moral standards or more noble beliefs than is actually the case. (पाखंड/ढोंग)

Example: It was sheer **hypocrisy** for the politician to preach about family values while being unfaithful.

Meanings of all the given options

- **Hipocracy:** Incorrect spelling.
- **Hypocrisy:** Incorrect spelling (common mistake using 'c' instead of 's').
- **Hypocrisy:** Correct spelling.
- **Hypocracy:** Incorrect spelling.

So the correct answer is (c)

Q.88 Select the most appropriate antonym of the given word: Volatile

- A. Explosive
- B. Unpredictable
- C. Steadfast
- D. Erratic

Answer: C**Sol:**

Explanation

The correct antonym of the given word is (c) Steadfast.

Volatile: Liable to change rapidly and unpredictably, especially for the worse; evaporating rapidly. (अस्थिर/परिवर्तनशील)

Example: The stock market has been highly **volatile** this week due to the geopolitical crisis.

Steadfast: Resolutely or dutifully firm and unwavering; not liable to change. (दृढ़/अटल/स्थिर)

Example: Despite the criticism, she remained **steadfast** in her beliefs.

Synonyms: Fickle, Capricious, Unstable, Variable.

Antonyms: Stable, Constant, Steady, Reliable.

Meanings of other options

- **Explosive:** Likely to shatter or burst or cause a sudden outburst of anger. (विस्फोटक)
- **Unpredictable:** Not able to be foreseen or known beforehand. (अप्रत्याशित)
- **Erratic:** Not even or regular in pattern or movement; unpredictable. (अनियमित)

So the correct answer is (c)

Q.89 A sentence is provided in direct speech. From the four given options, choose the one that most accurately conveys the sentence in its corresponding indirect speech.

"Although the evidence was conclusive, the committee refused to act on it," she remarked.

- She remarked that although the evidence was conclusive, the committee refused to act on it.
- She remarked that although the evidence had been conclusive, the committee had refused to act on it.
- She remarked although evidence was conclusive, committee refuses to act on it.
- She remarked that even though the evidence had been conclusive, the committee refused acting on it.

Answer: B

Sol:

Explanation

The correct indirect speech is (b).

When converting direct speech to indirect speech, if the reporting verb is in the past tense ("remarked"), the tenses in the reported speech usually shift backward. The Simple Past tense ("was", "refused") changes to the Past Perfect tense ("had been", "had refused").

- "was conclusive" becomes "had been conclusive".
- "refused to act" becomes "had refused to act".
- The conjunction "that" is used after the reporting verb.

Option (a) is incorrect because it retains the simple past tense. Option (b) correctly applies the rules of backshifting tenses.

So the correct answer is (b)

Q.90 Select the correct passive voice transformation of the given sentence:

"Neuroscientists explain that this encoding process frees up cognitive resources."

Read the passage and answer the questions.

Every time we perform a repeated action, the brain works to encode it as a habit. Neuroscientists explain that this encoding process frees up cognitive resources, allowing the mind to focus on newer, more demanding tasks. The brain, in essence, is always seeking the most energy-efficient path, and habit formation is one of its most powerful tools for achieving this.

Once a habit is encoded, it becomes almost involuntary—executed with minimal conscious thought. This automaticity is both a strength and a limitation. While it allows us to multitask and conserve willpower, it also means that harmful habits can persist long after we have consciously decided to abandon them. The only effective way to override a habit is to rewire the underlying neurological pattern.

Researchers have identified a three-stage model at the heart of every habit: a stimulus, a response, and an outcome. The stimulus is the environmental or internal signal that activates the habit sequence; the response is the habitual action that follows; and the outcome is the consequence that reinforces the entire cycle in the brain's memory.

Mastering this three-stage cycle gives individuals the tools to deliberately design new habits or dismantle existing ones, making habit science one of the most practically valuable fields of modern psychology.

- It is explained by neuroscientists that cognitive resources are freed up by this encoding process.
- Cognitive resources are freed up that this encoding process by neuroscientists is explained.
- This encoding process has been explained to free cognitive resources by neuroscientists.
- That cognitive resources were freed up is explained by this encoding process.

Answer: A

Sol:

Explanation

The correct passive voice of the given sentence is (a).

The sentence consists of a main reporting clause ("Neuroscientists explain") and a subordinate "that" clause. In such cases, the passive can be formed by starting with the formal subject "It".

Structure:

- **Active:** Subject + Verb + that clause.
- **Passive:** It + is/was + V3 + by Subject + that clause.

Option (a) correctly transforms the reporting part into "It is explained by neuroscientists..." and retains the meaning of the original sentence.

So the correct answer is (a)

Q.91 Choose the correct indirect speech conversion of the sentence.

"Researchers say, 'Habit formation is one of the brain's most powerful tools for saving energy'."

Read the passage and answer the questions.

Every time we perform a repeated action, the brain works to encode it as a habit. Neuroscientists explain that this encoding process frees up cognitive resources, allowing the mind to focus on newer, more demanding tasks. The brain, in essence, is always seeking the most energy-efficient path, and habit formation is one of its most powerful tools for achieving this.

Once a habit is encoded, it becomes almost involuntary—executed with minimal conscious thought. This automaticity is both a strength and a limitation. While it allows us to multitask and conserve willpower, it also means that harmful habits can persist long after we have consciously decided to abandon them. The only effective way to override a habit is to rewire the underlying neurological pattern.

Researchers have identified a three-stage model at the heart of every habit: a stimulus, a response, and an outcome. The stimulus is the environmental or internal signal that activates the habit sequence; the response is the habitual action that follows; and the outcome is the consequence that reinforces the entire cycle in the brain's memory.

Mastering this three-stage cycle gives individuals the tools to deliberately design new habits or dismantle existing ones, making habit science one of the most practically valuable fields of modern psychology.

- Researchers say that habit formation is one of the brain's most powerful tools for saving energy.
- Researchers said that habit formation had been one of the brain's most powerful tools for saving energy.
- Researchers say habit formation was one of the brain's most powerful tools to save energy.
- Researchers have said that habit formation would be one of the brain's most powerful tools for saving energy.

Answer: A

Sol:

Explanation

The correct indirect speech is option (a).

When the reporting verb is in the Present Tense ("Researchers say"), the tense of the reported speech does not change during conversion. Since the original statement "Habit formation is one of the brain's most powerful tools..." is a general fact/research finding and the reporting verb is in the present, we maintain the present tense in the indirect speech.

Explanation of options:

- **Option A:** Correctly uses the present tense "say" and "is".
- **Option B:** Incorrectly shifts to past tense ("said" and "had been").
- **Option C:** Incorrectly changes the internal verb to "was".
- **Option D:** Incorrectly uses future-in-the-past "would be".

So the correct answer is (a)

Q.92 What is the meaning of the word "automaticity" as used in the passage? "This automaticity is both a strength and a limitation."

Read the passage and answer the questions.

Every time we perform a repeated action, the brain works to encode it as a habit. Neuroscientists explain that this encoding process frees up cognitive resources, allowing the mind to focus on newer, more demanding tasks. The brain, in essence, is always seeking the most energy-efficient path, and habit formation is one of its most powerful tools for achieving this.

Once a habit is encoded, it becomes almost involuntary—executed with minimal conscious thought. This automaticity is both a strength and a limitation. While it allows us to multitask and conserve willpower, it also means that harmful habits can persist long after we have consciously decided to abandon them. The only effective way to override a habit is to rewire the underlying neurological pattern.

Researchers have identified a three-stage model at the heart of every habit: a stimulus, a response, and an outcome. The stimulus is the environmental or internal signal that activates the habit sequence; the response is the habitual action that follows; and the outcome is the consequence that reinforces the entire cycle in the brain's memory.

Mastering this three-stage cycle gives individuals the tools to deliberately design new habits or dismantle existing ones, making habit science one of the most practically valuable fields of modern psychology.

- A. The quality of being done deliberately and consciously
- B. The state of requiring significant mental effort
- C. The condition of occurring without conscious thought or control
- D. The tendency to resist change in behaviour

Answer: C

Sol:

Explanation

The correct answer is option (c).

In the sentence, "automaticity" refers to the quality of a process being automatic. The passage explains that once a habit is encoded, it is "executed with minimal conscious thought." Therefore, it refers to a condition where actions occur without active mental involvement.

Explanation of options:

- **Option A:** Incorrect; this is the opposite of automaticity.
- **Option B:** Incorrect; the passage says automaticity *saves* mental effort.
- **Option C:** Correct; reflects the text's description of involuntary execution.
- **Option D:** Incorrect; while habits are persistent, the term automaticity specifically describes the *mode* of execution.

So the correct answer is (c)

Q.93 Choose the best synonym for the word "stimulus" in the sentence:

"The stimulus is the environmental or internal signal that activates the habit sequence."

Read the passage and answer the questions.

Every time we perform a repeated action, the brain works to encode it as a habit. Neuroscientists explain that this encoding process frees up cognitive resources, allowing the mind to focus on newer, more demanding tasks. The brain, in essence, is always seeking the most energy-efficient path, and habit formation is one of its most powerful tools for achieving this.

Once a habit is encoded, it becomes almost involuntary—executed with minimal conscious thought. This automaticity is both a strength and a limitation. While it allows us to multitask and conserve willpower, it also means that harmful habits can persist long after we have consciously decided to abandon them. The only effective way to override a habit is to rewire the underlying neurological pattern.

Researchers have identified a three-stage model at the heart of every habit: a stimulus, a response, and an outcome. The stimulus is the environmental or internal signal that activates the habit sequence; the response is the habitual action that follows; and the outcome is the consequence that reinforces the entire cycle in the brain's memory.

Mastering this three-stage cycle gives individuals the tools to deliberately design new habits or dismantle existing ones, making habit science one of the most practically valuable fields of modern psychology.

- A. Restraint
- B. Outcome
- C. Catalyst
- D. Barrier

Answer: C

Sol:

Explanation

The correct answer is option (c) Catalyst.

Stimulus: In the context of the passage and biology, a stimulus is something that rouses activity or energy in someone or something; a spur or inciting agent. (उत्तेजना/प्रोत्साहन)

Catalyst: A person or thing that precipitates an event or change. In the habit cycle, the stimulus acts as the catalyst that triggers the response.

Explanation of other options:

- **Restraint:** A measure or condition that keeps someone or something under control. (नियंत्रण) - Antonym.
- **Outcome:** The end result or consequence. (परिणाम) - This is a different stage of the cycle.
- **Barrier:** An obstacle that prevents movement or access. (बाधा) - Opposite of the intended meaning.

So the correct answer is (c)

Q.94 . According to the passage, what makes habit formation difficult to reverse?

Read the passage and answer the questions.

Every time we perform a repeated action, the brain works to encode it as a habit. Neuroscientists explain that this encoding process frees up cognitive resources, allowing the mind to focus on newer, more demanding tasks. The brain, in essence, is always seeking the most energy-efficient path, and habit formation is one of its most powerful tools for achieving this.

Once a habit is encoded, it becomes almost involuntary—executed with minimal conscious thought. This automaticity is both a strength and a limitation. While it allows us to multitask and conserve willpower, it also means that harmful habits can persist long after we have consciously decided to abandon them. The only effective way to override a habit is to rewire the underlying neurological pattern.

Researchers have identified a three-stage model at the heart of every habit: a stimulus, a response, and an outcome. The stimulus is the environmental or internal signal that activates the habit sequence; the response is the habitual action that follows; and the outcome is the consequence that reinforces the entire cycle in the brain's memory.

Mastering this three-stage cycle gives individuals the tools to deliberately design new habits or dismantle existing ones, making habit science one of the most practically valuable fields of modern psychology.

- A. Because habits are always beneficial and the brain resists removing them.
 B. Because harmful habits become automatic and persist even after a conscious decision to stop.
 C. Because the brain lacks the capacity to form new patterns once a habit is set.
 D. Because the outcome stage of the habit cycle permanently alters brain structure.

Answer: B

Sol:

Explanation

The correct answer is option (b).

According to the passage, habit formation is difficult to reverse because once a habit is encoded, it becomes "almost involuntary—executed with minimal conscious thought." This means that even if a person consciously decides to stop a habit, the automatic neurological pattern remains and persists until it is specifically rewired.

Explanation of options:

- **Option A:** Incorrect; the passage says habits can be harmful.
- **Option B:** Correct; aligns with the text's explanation of automaticity and persistence.
- **Option C:** Incorrect; the passage states we can rewire and design new habits.
- **Option D:** Incorrect; the passage discusses the model but doesn't say the outcome permanently fixes structure in a way that is unchangeable.

So the correct answer is (b)

Q.95 Which of the following is incorrectly spelled?

- A. Conscientious
 B. Paraphernalia
 C. Vicissitude
 D. Idiosyncrasy

Answer: D

Sol:

Explanation

Option (d) is incorrectly spelt word.

Correct spelling is: "**Idiosyncrasy**", which refers to a mode of behavior or way of thought peculiar to an individual. (विलक्षणता/अजीब आदत)

Example: One of his little **idiosyncrasies** was always wearing mismatched socks.

Meanings of all the given options

- **Conscientious:** Wishing to do one's work or duty well and thoroughly. (कर्तव्यनिष्ठ)
- **Paraphernalia:** Miscellaneous articles, especially the equipment needed for a particular activity. (सामग्री)
- **Vicissitude:** A change of fortunes or circumstances, typically one that is unwelcome or unpleasant. (उतार-चढ़ाव)
- **Idiosyncrasy:** (Corrected form) A peculiar habit or characteristic of a person. (स्वभाव की विशेषता)

So the correct answer is (d)

Q.96 Which term refers to: "A figure of speech in which apparently contradictory terms appear in conjunction."

- A. Paradox
- B. Oxymoron
- C. Synecdoche
- D. Euphemism

Answer: B

Sol:

Explanation

The correct one-word for the given group of words is (b) Oxymoron.

An oxymoron is a literary device that pairs two opposing words together to create a self-contradictory effect. (विरोधाभास अलंकार)

Example: "Deafening silence" and "bittersweet" are common oxymorons.

Meanings of the other options

- **Paradox:** A seemingly absurd or self-contradictory statement or proposition that when investigated or explained may prove to be well founded or true. (विरोधाभास - focusing on the whole statement rather than just paired words.)
- **Synecdoche:** A figure of speech in which a part is made to represent the whole or vice versa (e.g., "wheels" for a car). (उपलक्षण)
- **Euphemism:** A mild or indirect word or expression substituted for one considered to be too harsh or blunt when referring to something unpleasant or embarrassing. (मंगलभाषी/कोमल वचन)

So the correct answer is (b)

Q.97 Which of the following terms describes: "A mental condition characterised by delusions of persecution, unwarranted jealousy, or exaggerated self-importance"?

- A. Narcissism
- B. Solipsism
- C. Paranoia
- D. Dysphoria

Answer: C

Sol:

Explanation

The correct one-word for the given group of words is (c) Paranoia.

Paranoia involves intense anxious or fearful feelings and thoughts often related to persecution, threat, or conspiracy. (पागलपन/भ्रम का रोग)

Example: His paranoia made him believe that all his colleagues were spying on him.

Meanings of the other options

- **Narcissism:** Excessive interest in or admiration of oneself and one's physical appearance. (आत्ममोह)
- **Solipsism:** The view or theory that the self is all that can be known to exist. (आत्मवाद)
- **Dysphoria:** A state of unease or generalized dissatisfaction with life. (अशांति/बेचैनी)

So the correct answer is (c)

Q.98 Convert the sentence provided below from its passive voice structure to an active voice structure:
The budget allocations are being reviewed by the finance committee.

- The finance committee has reviewed the budget allocations.
- The finance committee reviewed the budget allocations.
- The finance committee is reviewing the budget allocations.
- The finance committee was reviewing the budget allocations.

Answer: C

Sol:

Explanation

The correct active voice of the given sentence is (c).

The original sentence is in the Present Continuous tense of Passive Voice (is/are + being + V3). When converting to Active Voice, the structure becomes (Subject + is/are + V1 + ing + Object).

Structure

- **Passive Voice:** Object + is/are + being + V3 + by + Subject. (The budget allocations + are + being + reviewed + by + the finance committee.)
- **Active Voice:** Subject + is/are + V1 + ing + Object. (The finance committee + is + reviewing + the budget allocations.)

Why other options are incorrect

- **Option A:** Changes tense to Present Perfect ("has reviewed").
- **Option B:** Changes tense to Simple Past ("reviewed").
- **Option D:** Changes tense to Past Continuous ("was reviewing").

So the correct answer is (c)

Q.99 Change the following from active to passive:
The research panel will be reviewing all submitted manuscripts over the coming fortnight.

- All submitted manuscripts will be being reviewed by the research panel over the coming fortnight.
- All submitted manuscripts were reviewed by the research panel over the coming fortnight.
- All submitted manuscripts will have been reviewed by the research panel over the coming fortnight.
- The research panel would be reviewing all submitted manuscripts over the coming fortnight.

Answer: A

Sol:

Explanation

The correct passive voice of the given sentence is (a).

The original sentence is in the Future Continuous tense (will be + V1+ing). To convert this into Passive Voice, we follow the structure: Object + will + be + being + V3 + by + Subject.

Structure

- **Active Voice:** Subject + will + be + V1+ing + Object.
- **Passive Voice:** Object + will + be + being + V3 + by + Subject.

While some traditional grammarians avoid the passive of the continuous future, in modern competitive exams, if an option is provided, we follow the "being + V3" rule.

Why other options are incorrect

- **Option B:** Changes tense to Simple Past.
- **Option C:** Changes tense to Future Perfect.
- **Option D:** Incorrectly uses "would" and remains in active-like structure.

So the correct answer is (a)

Q.100 Find the part of the sentence that contains an error:

The principal demanded that (1)/ each student submits (2)/ the consent form (3)/ before the excursion began. (4)

- A. (1)
- B. (2)
- C. (3)
- D. (4)

Answer: B

Sol:

Explanation

Option (b) contains an error. The verb "submits" should be replaced with "submit". This is because the sentence uses the verb "demanded", which triggers the **Subjunctive Mood** in English. In the subjunctive mood used after verbs of demand, suggestion, or requirement, the base form of the verb (without 's') is used regardless of the subject.

Grammatical Rule Used

Subjunctive Mood: After certain verbs like *demand, suggest, insist, recommend, ask*, the following "that" clause uses the base form of the verb. (e.g., I suggest that he **be** careful.)

Example: The doctor recommended that he **take** a rest. (Not: takes).

So the correct answer is (b)