

SSC Selection Post (Matriculation) Similar Paper (Held on 29 Jul 2025 S1)

Q.1 If $3 + 3 = 18$, $4 + 4 = 32$, then $6 + 6 = ?$

- A. 60
- B. 66
- C. 72
- D. 48

Answer: C

Sol: Given: If $3 + 3 = 18$, $4 + 4 = 32$

Logic: $(1\text{st number})^2 + (2\text{nd number})^2 = 3\text{rd number}$

For, $3 + 3 = 18$

$(3)^2 + (3)^2 = 9 + 9 = 18$

For, $4 + 4 = 32$

$(4)^2 + (4)^2 = 16 + 16 = 32$

Similarly,

$6 + 6 = ?$

$(6)^2 + (6)^2 = 36 + 36 = 72$

Thus, correct option is (c).

Q.2 Identify the next pair: PQ, RS, TU, __?

- A. UV
- B. VW
- C. WX
- D. XY

Answer: B

Sol: Given: PQ, RS, TU, __?

| | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 + 2 place.

$P + 2 = R$, $R + 2 = T$, $T + 2 = V$

$Q + 2 = S$, $S + 2 = U$, $U + 2 = W$

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

Thus, correct option is (b).

Q.3 If you find a wallet on the road, what should you do?

- A. Keep the money
- B. Leave it there
- C. Try to find the owner or submit it to police
- D. Give it to a friend

Answer: C

Sol: Given: If you find a wallet on the road.

Explanation:

This is the most honest and responsible action. Trying to return the wallet to its owner or handing it over to the police ensures it reaches the rightful person safely and ethically.

So, **Try to find the owner or submit it to police** should you do.

Thus, correct option is (c).

Q.4 A project deadline seems unrealistic with current resources. What is the best action?

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- A. Rush work and compromise quality
- B. Work overtime silently
- C. Inform seniors and discuss alternatives
- D. Ignore the deadline

Answer: C

Sol: Given: A project deadline seems unrealistic with current resources.

Explanation:

When a deadline is unrealistic, the best course of action is to communicate clearly with seniors, explain the constraints, and discuss practical alternatives such as adjusting scope, timeline, or resources—without compromising quality or well-being.

So, **Inform seniors and discuss alternatives** is the best action.

Thus, correct option is (c).

Q.5 Loud : Noisy :: Silent : ?

- A. Calm
- B. Quiet
- C. Peace
- D. Soft

Answer: B

Sol: Given: Loud : Noisy :: Silent : ?

The synonym of "**loud**" is **noisy**.

Similarly,

Silent : ?

The synonym of "**silent**" is **quiet**.

Thus, correct option is (b).

Q.6 Which word does not belong to the group?

- A. Honest
- B. Loyal
- C. Faithful
- D. Deceitful

Answer: D

Sol: Honest, Loyal and **Faithful** have positive meanings and describe good qualities.

Deceitful has a negative meaning.

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

Thus, correct option is (d).

Q.7 Pen is to Writer as Camera is to ___?

- A. Photographer
- B. Painter
- C. Editor
- D. Designer

Answer: A

Sol: Given: Pen is to Writer as Camera is to ___?

A **pen** is a tool used by a **writer**.

Similarly,

A **camera** is a tool used by a **photographer**.

Thus, correct option is (a).

Q.8 P is the sister of Q. Q is the father of R. S is the mother of Q. How is P related to S?

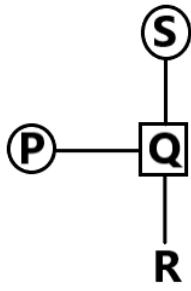
- A. Daughter
- B. Sister
- C. Niece
- D. Daughter-in-law

Answer: A

Sol: Given: P is the sister of Q. Q is the father of R. S is the mother of Q.

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

From the given information blood relation diagram will be.



So, P is **daughter** of S.
Thus, correct option is (a).

Q.9 Identify the missing number: 3, 7, 15, 31, ?

- A. 47
- B. 59
- C. 63
- D. 61

Answer: C

Sol: Given: 3, 7, 15, 31, ?

Logic: Numbers are multiply by 2 and + 1.

$$3 \times 2 + 1 = 7$$

$$7 \times 2 + 1 = 15$$

$$15 \times 2 + 1 = 31$$

$$31 \times 2 + 1 = 63$$

So, the missing term is **63**.

Thus, correct option is (c).

Q.10 Which number from 9, 14, 21, 27, 35 does not belong to the group?

- A. 9
- B. 14
- C. 21
- D. 27

Answer: C

Sol: Given: 9, 14, 21, 27, 35

Logic: Numbers are increasing natural number from 5.

$$9 + 5 = 14$$

$$14 + 6 \neq 21 = 20$$

$$20 + 7 = 27$$

$$27 + 8 = 35$$

So, **21** does not belong to the group.

Thus, correct option is (c).

Q.11 If '+' means '-', '-' means '×', '×' means '÷', and '÷' means '+', then what is the result of: $20 \div 5 + 3 - 32 \times 4 = ?$

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

Answer: A

Sol: Given: $20 \div 5 + 3 - 32 \times 4 = ?$

Given Sign + - × ÷

New Sign - × ÷ +

Using **BODMAS** rule.

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

New equation: $20 + 5 - 3 \times 32 \div 4 = ?$

$20 + 5 - 3 \times 8 = ?$

$20 + 5 - 24 = ?$

$25 - 24 = ?$

$? = 1$

Thus, correct option is (a).

Q.12 Which word does not belong to the group?

- A. Rose
- B. Lily
- C. Lotus
- D. Spinach

Answer: D

Sol: Rose, Lily and Lotus are flowers.

Spinach is a vegetable.

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

Thus, correct option is (d).

Q.13 If "%" means multiplication and "&" means addition, then find the value of: $6 \% 4 \& 8 = ?$

- A. 24
- B. 32
- C. 20
- D. 16

Answer: B

Sol: Given: $6 \% 4 \& 8 = ?$

Given Symbol % &

New Sign × +

Using **BODMAS** rule.

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

New equation: $6 \times 4 + 8 = ?$

$24 + 8 = ?$

$? = 32$

Thus, correct option is (b).

Q.14 $36 : 6 :: 64 : ?$

- A. 6
- B. 7
- C. 8
- D. 9

Answer: C

Sol: Given: $36 : 6 :: 64 : ?$

Logic: $\sqrt{1st\ number} = 2nd\ number$

For, $36 : 6$

$\sqrt{36} = 6$

Similarly,

$64 : ?$

$\sqrt{64} = 8$

Thus, correct option is (c).

Q.15 What will come at the place of (?) TRANSPARENT : CLEAR :: OPAQUE : ?

- A. Visible
- B. Dark
- C. Obscure
- D. Bright

Answer: C

Sol: Given: TRANSPARENT : CLEAR :: OPAQUE : ?

"Transparent" means **clear**.

Similarly,

"Opaque" means not clear / **obscure**.

Thus, correct option is (c).

Q.16 Complete the sequence: 5, 9, 7, 11, 9, ?

- A. 11
- B. 13
- C. 15
- D. 17

Answer: B

Sol: Given: 5, 9, 7, 11, 9, ?

Logic: Numbers are increasing + 4 and - 2 place alternately.

$$5 + 4 = 9$$

$$9 - 2 = 7$$

$$7 + 4 = 11$$

$$11 - 2 = 9$$

$$9 + 4 = 13$$

So, the missing term is **13**.

Thus, correct option is (b).

Q.17 14 : 196 :: 11 : ?

- A. 110
- B. 121
- C. 132
- D. 144

Answer: B

Sol: Given: 14 : 196 :: 11 : ?

Logic: 1st number² = 2nd number

For, 14 : 196

$$14^2 = 196$$

Similarly,

11 : ?

$$11^2 = \mathbf{121}$$

Thus, correct option is (b).

Q.18 Find the number that is unlike the others.

- A. 1221
- B. 1331
- C. 1441
- D. 1234

Answer: D

Sol: **1221, 1331** and **1441** are palindrome numbers (they read the same forwards and backwards).

1234 is not a palindrome.

So, **1234** is odd one out.

Thus, correct option is (d).

Q.19 If $P \$ Q = P \times Q$ and $P \# Q = P - Q$, then find the value of $(8 \$ 5) \# 6$.

- A. 28
- B. 34
- C. 40
- D. 46

Answer: B

Sol: Given:

$$(P \$ Q = P \times Q)$$

$$(P \# Q = P - Q)$$

Expression: $((8 \$ 5) \# 6)$

$$8 \$ 5$$

$$= 8 \times 5$$

$$= 40$$

$$40 \# 6$$

$$= 40 - 6$$

$$= \mathbf{34}$$

Thus, correct option is (b).

Q.20 BDF : CEG :: HJL : ?

- A. IKL
- B. IKM
- C. JKM
- D. IJM

Answer: B

Sol: Given: BDF : CEG :: HJL : ?

| | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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.

For, BDF : CEG

$B + 1 = C, D + 1 = E, F + 1 = G$

Similarly,

HJL : ?

$H + 1 = I, J + 1 = K, L + 1 = M$

So, HJL : **IKM**

Thus, correct option is (b).

Q.21 Your colleague asks you to share confidential office data. What should you do?

- A. Share partially
- B. Refuse and report if required
- C. Ignore the request
- D. Share to help them

Answer: B

Sol: Given: Your colleague asks you to share confidential office data.

Explanation:

Confidential office data must be protected. The right action is to refuse to share such information and report the request through proper channels if necessary to maintain ethics, security, and trust.

So, **Refuse and report if required** should you do.

Thus, correct option is (b).

Q.22 C : F :: G : ?

- A. J
- B. I
- C. K
- D. H

Answer: A

Sol: Given: C : F :: G : ?

| | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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.

For, C : F

$C + 3 = F$

Similarly,

G : ?

$G + 3 = J$

Thus, correct option is (a).

Q.23 Identify the missing term: A2, C4, E6, G8, __?

- A. H10
- B. I12
- C. I10
- D. J10

Answer: C

Sol: Given: A2, C4, E6, G8, __?

| | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 numbers are increasing + 2 place.

A + 2 = C, C + 2 = E, E + 2 = G, G + 2 = I

2 + 2 = 4, 4 + 2 = 6, 6 + 2 = 8, 8 + 2 = 10

So, the missing term is **I10**.

Thus, correct option is (c).

Q.24 You witness a minor being forced into labor at a local workplace. What is the most responsible action to take?

- A. Ignore it as a family matter
- B. Argue with the employer publicly
- C. Assume someone else will report it
- D. Inform appropriate authorities or child welfare organizations

Answer: D

Sol: Given: You witness a minor being forced into labor at a local workplace.

Explanation:

Forcing a minor into labor is a serious legal and ethical issue. The most responsible action is to report it to the appropriate authorities or child welfare organizations, who are trained and empowered to intervene safely and protect the child.

So, **Inform appropriate authorities or child welfare organizations** is the most responsible action to take.

Thus, correct option is (d).

Q.25 Bird is to Sky as Fish is to ___?

- A. River
- B. Water
- C. Boat
- D. Net

Answer: B

Sol: Given: Bird is to Sky as Fish is to ___?

A **bird** lives and moves in the **sky**.

Similarly,

A **fish** lives and moves in **water**.

Thus, correct option is (b).

Q.26 Which act introduced separate electorates for Muslims in British India?

- A. Charter Act 1833
- B. Indian Councils Act 1892
- C. Morley-Minto Reforms 1909
- D. Government of India Act 1935

Answer: C

Sol: The correct answer is **(C) Morley-Minto Reforms 1909**

Explanation:

- Also known as the Indian Councils Act 1909, it introduced a system of communal representation for Muslims.
- Under this, Muslim members were to be elected only by Muslim voters.

Information Booster:

- Lord Minto is known as the 'Father of Communal Electorate' in India.

Additional Knowledge:

- Charter Act 1833 (Option A): Ended commercial activities of EIC.
- GOI Act 1935 (Option D): Proposed an All-India Federation.

Q.27 Which act introduced Provincial Autonomy in India?

- A. Government of India Act 1909
- B. Government of India Act 1919
- C. Government of India Act 1935
- D. Charter Act 1833

Answer: C

Sol: The correct answer is **(C) Government of India Act 1935**

Explanation:

- The Act abolished dyarchy in the provinces and introduced 'Provincial Autonomy' in its place.
- Provinces were allowed to act as autonomous units of administration in their defined spheres.

Information Booster:

- The Act also introduced dyarchy at the Center.

Additional Knowledge:

- GOI Act 1919 (Option B) introduced dyarchy at the provincial level.

Q.28 Which Middle Eastern country hosts the city of Riyadh?

- A. UAE
- B. Qatar
- C. Saudi Arabia
- D. Oman

Answer: C

Sol: The correct answer is **(C) Saudi Arabia**

Explanation:

- Riyadh is the capital and largest city of the Kingdom of Saudi Arabia.
- It is located in the center of the Arabian Peninsula on a large plateau.

Information Booster:

- The currency of Saudi Arabia is the Saudi Riyal (SAR).

Additional Knowledge:

- Abu Dhabi is the capital of UAE (Option A).
- Doha is the capital of Qatar (Option B).
- Muscat is the capital of Oman (Option D).

Q.29 Which BRICS country is the largest economy among them?

- A. Brazil
- B. Russia
- C. India
- D. China

Answer: D

Sol: The correct answer is **(D) China**

Explanation:

- China is the largest economy among the BRICS nations by a significant margin in terms of both Nominal GDP and PPP.
- It is the world's second-largest economy after the USA.

Information Booster:

- BRICS stands for Brazil, Russia, India, China, and South Africa. (Expanded recently to BRICS+).

Additional Knowledge:

- India (Option C) is currently the world's 5th largest economy and the second largest within the BRICS group.

Q.30 Which Indian government scheme provides free LPG connections to poor households?

- A. Ujjwala Yojana
- B. PMAY
- C. PM-KISAN
- D. Jan Dhan Yojana

Answer: A

Sol: The correct answer is **(A) Ujjwala Yojana**

Explanation:

- Pradhan Mantri Ujjwala Yojana (PMUY) was launched in 2016.
- Its primary goal is to provide clean cooking fuel (LPG) to women in BPL households to improve health and protect the environment.

Information Booster:

- The slogan of the scheme is 'Swachh Indhan, Better Jeevan'.

Additional Knowledge:

- Jan Dhan Yojana (Option D): Focuses on financial inclusion and bank accounts.

Q.31 In which year were the first Asian Games held in New Delhi?

- A. 1948
- B. 1951
- C. 1962
- D. 1982

Answer: B

Sol: The correct answer is **(B) 1951**

Explanation:

- The inaugural Asian Games were held in New Delhi from March 4 to 11, 1951.
- The Games were opened by President Rajendra Prasad at the Major Dhyani Chand National Stadium.

Information Booster:

- New Delhi also hosted the 1982 Asian Games (9th edition).

Additional Knowledge:

- The motto of the 1951 Games was 'Play the game in the spirit of the game'.

Q.32 Which program was launched to promote entrepreneurship and innovation in India?

- A. Skill India
- B. Startup India
- C. Digital India
- D. Make in India

Answer: B

Sol: The correct answer is **(B) Startup India**

Explanation:

- Startup India was launched on January 16, 2016, to build a strong ecosystem for nurturing innovation and startups in the country.
- It aims to drive sustainable economic growth and generate large-scale employment opportunities.

Information Booster:

- The Department for Promotion of Industry and Internal Trade (DPIIT) manages this initiative.

Additional Knowledge:

- Skill India (Option A): Focuses on vocational training.
- Digital India (Option C): Aims to transform India into a digitally empowered society.
- Make in India (Option D): Focuses on transforming India into a global manufacturing hub.

Q.33 What does GDP stand for in economics?

- A. General Development Plan
- B. Gross Domestic Product
- C. Government Development Policy
- D. Global Demand Process

Answer: B

Sol: The correct answer is **(B) Gross Domestic Product**

Explanation:

- GDP is the total monetary or market value of all the finished goods and services produced within a country's borders in a specific time period.
- It serves as a comprehensive scorecard of a given country's economic health.

Information Booster:

- Real GDP accounts for inflation, while Nominal GDP does not.
- India's GDP calculation is managed by the National Statistical Office (NSO).

Additional Knowledge:

- Option A, C, and D are incorrect terms and do not represent standard economic indicators used to measure national output.

Q.34 What is the main objective of the National Green Hydrogen Mission?

- A. Promote coal production
- B. Produce green hydrogen using renewable energy
- C. Increase nuclear energy production
- D. Expand petroleum refining

Answer: B

Sol: The correct answer is **(B) Produce green hydrogen using renewable energy**

Explanation:

- The mission aims to make India a global hub for the production, usage, and export of Green Hydrogen.
- Green hydrogen is produced through the electrolysis of water using electricity generated from renewable sources like solar or wind.

Information Booster:

- The mission targets a production capacity of 5 Million Metric Tonnes (MMT) per annum by 2030.

Additional Knowledge:

- Coal, Nuclear, and Petroleum (Options A, C, D) are different energy sectors not primarily targeted by this specific mission.

Q.35 The book "Ignited Minds" is written by:

- A. Vikram Seth
- B. A.P.J. Abdul Kalam
- C. R.K. Narayan

D. C.V. Raman

Answer: B

Sol: The correct answer is **(B) A.P.J. Abdul Kalam**

Explanation:

- 'Ignited Minds: Unleashing the Power within India' is a book written by the 11th President of India, Dr. A.P.J. Abdul Kalam.
- It focuses on the potential of the youth to transform the nation.

Information Booster:

- Another famous book by Dr. Kalam is his autobiography, 'Wings of Fire'.

Additional Knowledge:

- R.K. Narayan (Option C) is known for 'Malgudi Days'.

Q.36 Which of the following statements is correct about the PM-KISAN scheme?

- A. It provides housing to farmers.
- B. It provides income support to farmers.
- C. It provides free fertilizers to farmers.
- D. It provides free electricity to farmers.

Answer: B

Sol: The correct answer is **(B) It provides income support to farmers.**

Explanation:

- PM-KISAN (Pradhan Mantri Kisan Samman Nidhi) is a Central Sector Scheme.
- It provides an income support of ₹6,000 per year in three equal installments directly into the bank accounts of all landholding farmers.

Information Booster:

- The scheme was launched in February 2019 (retroactively effective from December 2018).

Additional Knowledge:

- PMAY (Option A) provides housing.
- Fertilizer subsidies (Option C) are managed through separate DBT and pricing mechanisms.

Q.37 The Gandhara School of Art flourished during which period?

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

Answer: B

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

Explanation:

- The Gandhara School of Art flourished during the reign of the Kushan Empire, particularly under Kanishka.
- It is known for its Greco-Buddhist style, where Buddhist themes were depicted in Hellenistic styles.

Information Booster:

- Mathura School of Art also flourished during the Kushan period but was purely indigenous.

Additional Knowledge:

- Gupta Period (Option C): Known as the 'Golden Age' of Indian art.

Q.38 Fill in the blank:

AQI values above _____ indicate hazardous air quality.

- A. 100
- B. 200

- C. 300
- D. 400

Answer: C

Sol: The correct answer is **(C) 300**

Explanation:

- The Air Quality Index (AQI) is a tool for communicating the status of air quality.
- In the Indian context, AQI values between 301-400 are 'Very Poor', and 401-500 are 'Severe/Hazardous'. Generally, 300+ is considered the threshold for health emergencies.

Information Booster:

- The National AQI has six categories: Good, Satisfactory, Moderately polluted, Poor, Very Poor, and Severe.

Additional Knowledge:

- 0-50 (Good), 51-100 (Satisfactory), 101-200 (Moderate), 201-300 (Poor).

Q.39 Which state in India has the highest literacy rate according to Census 2011?

- A. Tamil Nadu
- B. Kerala
- C. Goa
- D. Himachal Pradesh

Answer: B

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

Explanation:

- Kerala recorded the highest literacy rate in India at 94.00% in the 2011 Census.
- The state has consistently performed well in human development indices.

Information Booster:

- Bihar recorded the lowest literacy rate (61.8%) in the same census.

Additional Knowledge:

- Literacy is defined as the ability of a person aged 7 and above to read and write with understanding in any language.

Q.40 Which state in India has the largest population according to Census 2011?

- A. Maharashtra
- B. Uttar Pradesh
- C. Bihar
- D. West Bengal

Answer: B

Sol: The correct answer is **(B) Uttar Pradesh**

Explanation:

- According to the 2011 Census, Uttar Pradesh is the most populous state in India.
- It accounted for roughly 16.5% of the country's total population.

Information Booster:

- Sikkim is the least populous state in India according to the 2011 Census.

Additional Knowledge:

- Maharashtra (Option A) is the second most populous state.
- Bihar (Option C) is the third most populous state.

Q.41 Who wrote the book "The White Tiger"?

- A. Aravind Adiga

- B. Salman Rushdie
- C. Ruskin Bond
- D. Khushwant Singh

Answer: A

Sol: The correct answer is **(A) Aravind Adiga**

Explanation:

- 'The White Tiger' is the debut novel by Aravind Adiga, published in 2008.
- It won the 40th Man Booker Prize in the same year.

Information Booster:

- The novel provides a dark and humorous perspective on India's class struggle.

Additional Knowledge:

- Salman Rushdie (Option B): Famous for 'Midnight's Children'.
- Khushwant Singh (Option D): Famous for 'Train to Pakistan'.

Q.42 Which of the following is a Tat Vadya instrument in Indian classical music?

- A. Sitar
- B. Tabla
- C. Flute
- D. Shehnai

Answer: A

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

Explanation:

- Tat Vadya refers to chordophones or stringed instruments.
- Sitar, Veena, and Sarod are prominent examples of Tat Vadya.

Information Booster:

- Natya Shastra classifies Indian instruments into four groups: Tat (Strings), Avanaddha (Percussion), Sushira (Wind), and Ghana (Solid).

Additional Knowledge:

- Tabla (Option B): Avanaddha Vadya.
- Flute/Shehnai (Option C/D): Sushira Vadya.

Q.43 What is the name of the layer of the Earth's atmosphere where most meteors burn up?

- 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, located above the stratosphere.
- Most meteors burn up in this layer due to friction with the atmospheric gases.

Information Booster:

- The mesosphere is the coldest layer of the Earth's atmosphere, with temperatures dropping as low as -90°C.

Additional Knowledge:

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

Q.44 Which two tectonic plates are responsible for the formation of the Himalayas?

- A. Indian & Eurasian plates
- B. African & Eurasian plates
- C. Pacific & Eurasian plates
- D. Australian & Antarctic plates

Answer: A

Sol: The correct answer is **(A) Indian & Eurasian plates**

Explanation:

- The Himalayas were formed by the collision of the Indian Plate and the Eurasian Plate.
- This is a convergent boundary where subduction and folding created the world's highest mountain range.

Information Booster:

- The Himalayas are classified as young fold mountains.

Additional Knowledge:

- The Tethys Sea existed between these two plates before the collision occurred millions of years ago.

Q.45 Which ruler greatly supported Buddhist art and architecture?

- A. Ashoka
- B. Harsha
- C. Samudragupta
- D. Chandragupta II

Answer: A

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

Explanation:

- Emperor Ashoka of the Maurya Dynasty was instrumental in spreading Buddhism and commissioned numerous stupas, pillars, and edicts.
- The Sanchi Stupa and the Lion Capital at Sarnath are iconic examples of Ashokan architecture.

Information Booster:

- The Lion Capital at Sarnath is the source of the National Emblem of India.

Additional Knowledge:

- Samudragupta and Chandragupta II (Options C, D) were rulers of the Gupta Empire and primarily supported Brahmanical traditions.

Q.46 Under the Bharatiya Nyaya Sanhita, which of the following statements is TRUE?

- A. It replaced the Code of Criminal Procedure.
- B. It replaced the Indian Penal Code of 1860.
- C. It abolished all criminal offences.
- D. It applies only to civil cases.

Answer: B

Sol: The correct answer is **(B) It replaced the Indian Penal Code of 1860.**

Explanation:

- The Bharatiya Nyaya Sanhita (BNS) is the official criminal code of India, replacing the colonial-era Indian Penal Code (IPC).
- It was enacted in 2023 to modernize the legal framework and focus on justice rather than punishment.

Information Booster:

- The Bharatiya Nagarik Suraksha Sanhita replaced the CrPC, and the Bharatiya Sakshya Adhinyam replaced the Indian Evidence Act.

Additional Knowledge:

- Option A is incorrect as the CrPC was replaced by BNSS.
- Option C and D are factually incorrect as the code defines crimes and prescribes punishments.

Q.47 Which Indian mission focuses on promoting wind energy development?

- A. National Solar Mission
- B. National Wind Energy Mission
- C. National Hydrogen Mission
- D. National Biofuel Mission

Answer: B

Sol: The correct answer is **(B) National Wind Energy Mission**

Explanation:

- This mission aims to streamline wind power development and promote offshore wind energy in India.
- India currently ranks 4th in the world in terms of installed wind power capacity.

Information Booster:

- Gujarat and Tamil Nadu are the leading states in India for wind energy production.

Additional Knowledge:

- National Solar Mission (Option A): Part of NAPCC, targets solar energy growth.
- National Hydrogen Mission (Option C): Targets clean hydrogen production.

Q.48 Which sport has brought India the maximum Olympic medals?

- A. Hockey
- B. Wrestling
- C. Shooting
- D. Boxing

Answer: A

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

Explanation:

- Field Hockey is the most successful Olympic sport for India.
- India has won a total of 13 medals in Hockey (8 Gold, 1 Silver, 4 Bronze).

Information Booster:

- India won six consecutive gold medals in Hockey between 1928 and 1956.

Additional Knowledge:

- Wrestling (Option B) is the second most successful sport for India in terms of medal count at the Olympics.

Q.49 Which article of the Constitution deals with the Council of Ministers at the Union level?

- A. Article 72
- B. Article 74
- C. Article 80
- D. Article 90

Answer: B

Sol: The correct answer is **(B) Article 74**

Explanation:

- Article 74 states that there shall be a Council of Ministers with the Prime Minister at the head to aid and advise the President.
- The President shall, in the exercise of his functions, act in accordance with such advice.

Information Booster:

- Article 75 deals with other provisions as to Ministers (appointment, tenure, etc.).

Additional Knowledge:

- Article 72 (Option A): Relates to the power of the President to grant pardons.
- Article 80 (Option C): Relates to the composition of the Rajya Sabha.

Q.50 Which mission by ISRO aims to explore Mars and study its atmosphere?

- A. Chandrayaan-2
- B. Mangalyaan
- C. Gaganyaan
- D. Aditya-L1

Answer: B

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

Explanation:

- Mangalyaan, or the Mars Orbiter Mission (MOM), was launched by ISRO in 2013.
- India became the first nation to reach the Martian orbit in its maiden attempt.

Information Booster:

- India was the fourth space agency in the world to reach Mars, after Roscosmos, NASA, and ESA.

Additional Knowledge:

- Chandrayaan-2 (Option A): Lunar mission.
- Gaganyaan (Option C): India's first human spaceflight mission.
- Aditya-L1 (Option D): Mission to study the Sun.

Q.51 A cylindrical tank has a radius of 7 m and a height of 10 m. Find its curved surface area. (Use $\pi = 22/7$)

- A. $220m^2$
- B. $440m^2$
- C. $660m^2$
- D. $880m^2$

Answer: B

Sol: Given:

Radius (r) = 7 m
 Height (h) = 10 m
 $\pi = \frac{22}{7}$

Formula Used:

Curved Surface Area (CSA) of a cylinder = $2\pi rh$

Solution:

Substitute the given values into the formula:

$$CSA = 2 \times \frac{22}{7} \times 7 \times 10$$

$$CSA = 2 \times 22 \times 10 = 440m^2$$

So the correct answer is (b).

Q.52 A student scores 450 marks out of 600. What is his percentage?

- A. 75%
- B. 70%
- C. 80%
- D. 85%

Answer: A

Sol: Given:

Marks obtained = 450
 Maximum marks = 600

Formula Used:

$$\text{Percentage} = \frac{\text{Marks obtained}}{\text{Maximum marks}} \times 100$$

Solution:

$$\text{Percentage} = \frac{450}{600} \times 100$$

$$\text{Percentage} = \frac{45}{60} \times 100$$

Percentage = $\frac{3}{4} \times 100 = 75$
So the correct answer is (a).

Q.53 The ratio of the ages of X and Y is 4:5. After 6 years, the ratio becomes 5:6. What is the current age of X?

- A. 20 years
- B. 24 years
- C. 28 years
- D. 30 years

Answer: B

Sol: Given:

Current ratio of ages X : Y = 4 : 5

Ratio after 6 years = 5 : 6

Solution:

Let the present ages of X and Y be 4a and 5a respectively.

After 6 years, their ages will be (4a + 6) and (5a + 6).

$$\frac{4a + 6}{5a + 6} = \frac{5}{6}$$

$$6 \times (4a + 6) = 5 \times (5a + 6)$$

$$24a + 36 = 25a + 30$$

$$a = 6$$

Current age of X = 4 × 6 = **24 years.**

So the correct answer is (b)

Q.54 Find the volume of a cube whose side is 6 cm.

- A. $36cm^3$
- B. $144cm^3$
- C. $216cm^3$
- D. $256cm^3$

Answer: C

Sol: Given:

Side length (a) of the cube = 6 cm.

Formula Used:

Volume of a cube = a^3

Solution:

$$Volume = 6^3$$

$$Volume = 6 \times 6 \times 6 = 216cm^3$$

So the correct answer is (c).

Q.55 Find the compound interest on ₹10,000 at 10% per annum for 2 years.

- A. ₹2,000
- B. ₹2,100
- C. ₹2,200
- D. ₹2,500

Answer: B

Sol: Given:

Principal (P) = 10000

Rate (R) = 10% per annum

Time (n) = 2 years

Formula Used:

$$Compound\ Interest\ (CI) = P \left(1 + \frac{R}{100} \right)^n - P$$

Solution:

$$\text{Amount} = 10000 \times \left(1 + \frac{10}{100}\right)^2$$

$$\text{Amount} = 10000 \times \left(\frac{11}{10}\right)^2$$

$$\text{Amount} = 10000 \times \frac{121}{100} = 12100$$

$$\text{CI} = \text{Amount} - \text{Principal} = 12100 - 10000 = \mathbf{2100}$$

So the correct answer is (b).

Q.56 A watch priced at ₹1,200 is sold for ₹1,020. What is the percentage of discount offered?

- A. 10%
- B. 12%
- C. 15%
- D. 18%

Answer: C

Sol: Given:

$$\text{Marked Price (MP)} = 1200$$

$$\text{Selling Price (SP)} = 1020$$

Formula Used:

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

Solution:

$$\text{Discount Amount} = 1200 - 1020 = 180$$

$$\text{Discount \%} = \frac{180}{1200} \times 100$$

$$\text{Discount \%} = \frac{180}{12}$$

$$\text{Discount \%} = 15$$

So the correct answer is (c).

Q.57 What is the mean proportional between 9 and 36?

- A. 15
- B. 18
- C. 21
- D. 24

Answer: B

Sol: Given:

Two numbers: 9 and 36

Formula Used:

$$\text{Mean proportional between } a \text{ and } b = \sqrt{a \times b}$$

Solution:

$$\text{Mean proportional} = \sqrt{9 \times 36}$$

$$\text{Mean proportional} = \sqrt{324}$$

$$\text{Mean proportional} = 18$$

So the correct answer is (b).

Q.58 The relationship between natural numbers and integers can be expressed as:

- A. All integers are natural numbers.
- B. All natural numbers are integers.
- C. Integers do not include zero.
- D. Natural numbers include negative values.

Answer: B

Sol: Given:

Options defining the relationship between natural numbers and integers.

Formula Used:

Set definitions for Number Systems.

Solution:

Natural numbers (N) = {1, 2, 3, ...}.

Integers (Z) = {..., -2, -1, 0, 1, 2, 3, ...}.

Since every natural number is included in the set of integers, all natural numbers are integers. Integers include negative numbers and zero, which are not natural numbers, so the reverse is not true.

So the correct answer is (b).

Q.59 A train 150m long crosses a pole in 9 seconds. What is the speed of the train in km/h?

- A. 50 km/h
- B. 60 km/h
- C. 72 km/h
- D. 80 km/h

Answer: B

Sol: Given:

Length of the train (Distance) = 150 m

Time taken = 9sec

Formula Used:

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

To convert m/s to km/h, multiply by $\frac{18}{5}$

Solution:

$$\text{Speed in m/s} = \frac{150}{9} \text{ m/s}$$

Convert to km/h:

$$\text{Speed} = \frac{150}{9} \times \frac{18}{5}$$

$$\text{Speed} = \frac{30 \times 18}{9}$$

$$\text{Speed} = 30 \times 2$$

$$\text{Speed} = 60 \text{ km/h}$$

So the correct answer is (b).

Q.60 Which of the following statements is true?

- A. Every natural number is a whole number.
- B. All irrational numbers are rational.
- C. The sum of two odd numbers is always odd.
- D. Zero is a negative integer.

Answer: A

Sol: Given:

Four statements regarding number system properties.

Formula Used:

Definitions of Natural numbers, Whole numbers, Rational, Irrational, and Integers.

Solution:

Natural numbers are {1, 2, 3, ...} and Whole numbers are {0, 1, 2, 3, ...}. Since the set of natural numbers is completely contained within the set of whole numbers, statement A is **true**.

Irrational numbers and rational numbers are mutually exclusive sets, so statement B is false.

The sum of two odd numbers is always an even number, so statement C is false.

Zero is an integer but it is neither positive nor negative, so statement D is false.

So the correct answer is (a)

Q.61 Find the average of 15, 25, 35, and 45.

- A. 25
- B. 35
- C. 30
- D. 40

Answer: C

Sol: Given:

Numbers: 15, 25, 35, 45

Formula Used

$$\text{Average} = \frac{\text{Sum of observations}}{\text{Number of observations}}$$

Solution:

Sum of the given numbers = $15 + 25 + 35 + 45 = 120$

Total number of observations = 4

$$\text{Average} = \frac{120}{4}$$

Average = 30

So the correct answer is (c)

Q.62 Which fraction is equivalent to 0.625?

- A. 5/8
- B. 3/4
- C. 7/12
- D. 5/16

Answer: A

Sol: Given:

Decimal value = 0.625

Solution:

Convert the decimal to a fraction over 1000:

$$0.625 = \frac{625}{1000}$$

Divide the numerator and denominator by their greatest common divisor, which is 125:

$$\frac{625 \div 125}{1000 \div 125} = \frac{5}{8}$$

So the correct answer is (a).

Q.63 The perimeter of a square is 64 cm. Find its area.

- A. 128cm^2
- B. 64cm^2
- C. 512cm^2
- D. 256cm^2

Answer: D

Sol: Given:

Perimeter of the square = 64 cm.

Formula Used:

Perimeter of a square = $4 \times \text{side}$

Area of a square = side^2

Solution:

First, find the length of one side:

$$4 \times \text{side} = 64$$

$$\text{side} = \frac{64}{4} = 16 \text{ cm}$$

Now, calculate the area:

$$\text{Area} = 16^2 = 16 \times 16 = 256 \text{ cm}^2$$

So the correct answer is (d).

Q.64 The population of a town increases by 10% annually. If the current population is 20,000, what will it be after 2 years?

- A. 22,000
- B. 24,000
- C. 24,200
- D. 25,000

Answer: C

Sol: Given:

Current Population (P) = 20,000

Annual increase rate (R) = 10%

Time (n) = 2 years

Formula Used:

$$\text{Final Population} = P \left(1 + \frac{R}{100}\right)^n$$

Solution:

$$\text{Final Population} = 20000 \times \left(1 + \frac{10}{100}\right)^2$$

$$\text{Final Population} = 20000 \times \left(\frac{11}{10}\right)^2$$

$$\text{Final Population} = 20000 \times \frac{121}{100}$$

$$\text{Final Population} = 200 \times 121$$

$$\text{Final Population} = 24200$$

So the correct answer is (c).

Q.65 In a farm, there are cows and hens. If there are 50 heads and 160 legs, how many cows are there?

- A. 20
- B. 30
- C. 35
- D. 40

Answer: B

Sol: Given:

Total number of heads = 50.

Total number of legs = 160.

Formula Used:

Let the number of cows be C and the number of hens be H.

Cows have 1 head and 4 legs.

Hens have 1 head and 2 legs.

Solution:

Setup the linear equations:

$$C + H = 50 \text{ (Equation 1 for heads)}$$

$$4C + 2H = 160 \text{ (Equation 2 for legs)}$$

Multiply Equation 1 by 2:

$$2C + 2H = 100$$

Subtract this from Equation 2:

$$(4C + 2H) - (2C + 2H) = 160 - 100$$

$$2C = 60$$

$$C = 30.$$

The number of **cows is 30.**

So the correct answer is (b)

Q.66 Which of the following numbers is a perfect square?

- A. 1234
- B. 3844
- C. 5677
- D. 8122

Answer: B

Sol: Given:

Numbers: 1234, 3844, 5677, 8122

Solution:

A perfect square can never end with the digits **2, 3, 7, or 8.**

Formula used: A number is a perfect square if it is equal to $n \times n$

Solution:

A) 1234 → not a perfect square

B) 3844 → $62 \times 62 = \mathbf{3844}$

C) 5677 → not a perfect square

D) 8122 → not a perfect square

Thus, correct option is (b)

Q.67 At what rate of simple interest will a sum of money double itself in 8 years?

- A. 10%
- B. 15%
- C. 12.5%
- D. 20%

Answer: C

Sol: Given:

Let Principal = P

Final Amount = 2P (sum doubles itself)

Time (T) = 8 years

Formula Used:

Simple Interest (SI) = Amount - Principal

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

Solution:

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

$$R = \frac{P \times 100}{P \times 8}$$

$$R = \frac{100}{8}$$

$$R = 12.5$$

So the correct answer is (c).

Q.68 A man can complete a work in 12 days, and a woman can do it in 18 days. How long will they take to complete it together?

- A. 6 days
- B. 9.5 days
- C. 8 days
- D. 7.2 days

Answer: D

Sol: Given:

Time taken by man (M) = 12 days

Time taken by woman (W) = 18 days

Formula Used:

$$\text{Time taken together} = \frac{M \times W}{M + W}$$

Solution:

Substitute the individual times into the formula:

$$\text{Time together} = \frac{12 \times 18}{12 + 18}$$

$$\text{Time together} = \frac{216}{30}$$

$$\text{Time together} = \frac{72}{10}$$

Time together = 7.2 days

So the correct answer is (d)

Q.69 A container has $15\frac{3}{4}$ liters of milk. If 4.25 liters are used for tea and $5\frac{1}{2}$ liters are used for sweets, how much milk is left?

- A. 6.00 liters
- B. 5.50 liters
- C. 7.25 liters
- D. 6.75 liters

Answer: A

Sol: Given:

Total milk = 15.75 liters

Milk used for tea = 4.25 liters

Milk used for sweets = 5.5 liters

Formula Used:

Remaining quantity = Total quantity - Sum of used quantities

Solution:

Convert all fractions to decimals to simplify calculation:

Total milk = 15.75 liters

Milk used for sweets = 5.50 liters

Total milk used = $4.25 + 5.50 = 9.75$ liters

Milk left = $15.75 - 9.75 = 6.00$ liters

So the correct answer is (a).

Q.70 If the area of a circle is 154 cm^2 , find its circumference.

- A. 22 cm
- B. 44 cm
- C. 66 cm
- D. 88 cm

Answer: B

Sol: Given:

Area of circle = 154 cm^2

Formula Used:

Area = πr^2

Circumference = $2\pi r$

Solution:

First, find the radius using the area formula:

$$\frac{22}{7} \times r^2 = 154$$

$$r^2 = 154 \times \frac{7}{22} = 7 \times 7 = 49$$

$r = 7$ cm.

Now, compute the circumference:

$$\text{Circumference} = 2 \times \frac{22}{7} \times 7 = 44 \text{ cm}$$

So the correct answer is (b)

Q.71 If 40% of a number is 160, what is 20% of the same number?

- A. 40
- B. 60
- C. 80
- D. 100

Answer: C

Sol: Given:

40% of a number = 160

Solution:

Let the number be x.

40% of x = 160

Since 20% is exactly half of 40%, we can find 20% by dividing the value of 40% by 2.

$$20\% \text{ of } x = \frac{160}{2} = 80$$

So the correct answer is (c).

Q.72 If the cost price of 15 items is equal to the selling price of 12 items, find the profit percentage.

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

Answer: D

Sol: Given:

Cost Price (CP) of 15 items = Selling Price (SP) of 12 items

Formula Used:

$$\text{Profit \%} = \frac{SP - CP}{CP} \times 100$$

Solution

Let the Cost Price of 1 item be 1.

Cost Price of 12 items = 12.

Selling Price of 12 items = Cost Price of 15 items = 15

Profit made on selling 12 items = SP - CP = 15 - 12 = 3

$$\text{Profit\%} = \frac{3}{12} \times 100$$

$$\text{Profit\%} = \frac{1}{4} \times 100$$

Profit % = 25%

So the correct answer is (d)

Q.73 The average weight of 20 workers in a factory is 65 kg. If 10 more workers with an average weight of 71 kg join, what is the average weight of all workers?

- A. 66 kg
- B. 69 kg
- C. 68 kg
- D. 67 kg

Answer: D

Sol: Given:

Average weight of 20 workers = 65 kg

Average weight of 10 new workers = 71 kg

Formula Used:

$$\text{Combined Average} = \frac{N_1 \times A_1 + N_2 \times A_2}{N_1 + N_2}$$

Solution:

Total weight of the first 20 workers = 20 × 65 = 1300 kg

Total weight of the 10 new workers = 10 × 71 = 710 kg

Total weight of all 30 workers = 1300 + 710 = 2010 kg

$$\text{New Average Weight} = \frac{2010}{30} = \mathbf{67 \text{ kg}}$$

So the correct answer is (d).

Q.74 A shopkeeper marks an item 40% above the cost price and then allows a discount of 10%. Find his net profit percentage.

- A. 24%
- B. 30%
- C. 26%
- D. 32%

Answer: C

Sol: Given:

Markup Percentage = 40%

Discount Percentage = 10%

Formula Used:

$$\text{Net Profit \%} = \frac{\text{Selling Price} - \text{Cost Price}}{\text{Cost Price}} \times 100$$

Solution:

Let the Cost Price (CP) be 100

Marked Price (MP) = 100 + 40 = 140

Discount is 10% on MP = 10% of 140 = 14

Selling Price (SP) = MP - Discount = 140 - 14 = 126

Profit = SP - CP = 126 - 100 = 26

$$\text{Net Profit \%} = \frac{26}{100} \times 100 = 26\%$$

So the correct answer is (c).

Q.75 Divide ₹2,400 among A, B, and C in the ratio 3:4:5. What is B's share?

- A. ₹600
- B. ₹1,200
- C. ₹1,000
- D. ₹800

Answer: D**Sol: Given:**

Total Amount = 2400

Ratio for A : B : C = 3 : 4 : 5

Formula Used:

$$\text{B's Share} = \frac{\text{Ratio part of B}}{\text{Total Ratio}} \times \text{Total Amount}$$

Solution:

Total Ratio Sum = 3 + 4 + 5 = 12.

B's Ratio Part = 4.

$$\text{B's Share} = \frac{4}{12} \times 2400$$

$$\text{B's Share} = \frac{1}{3} \times 2400$$

B's Share = 800

So the correct answer is (d).

Q.76 Fill in the blank with suitable preposition:

They are planning to go _ a trip to the hills this weekend.

- A. in
- B. at
- C. on
- D. by

Answer: C**Sol: Explanation**

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

In English grammar, we use the preposition '**on**' with the word 'trip'. The phrase 'on a trip' is a standard fixed expression used to indicate traveling or going somewhere for pleasure or business. (किसी यात्रा पर जाना)

Example: We are going on a business trip to Tokyo next month.**Why other options are incorrect**

- **Option A (in):** This is usually used for physical locations with boundaries or enclosed spaces (e.g., in a car, in a room), not for the act of tripping. (में)
- **Option B (at):** This is used for specific points or locations (e.g., at the station), but does not collocate with 'trip'. (पर/में)
- **Option C (by):** This is typically used to indicate the mode of transport (e.g., by bus, by car), not the event itself. (के द्वारा)

So the correct answer is (c)

Q.77 Arrange to form a meaningful sequence:

- (1) She brushed her teeth and freshened up.
- (2) She switched off the alarm on her phone.
- (3) She got dressed and headed to the kitchen for breakfast.
- (4) She opened her eyes as the alarm rang.

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

Answer: A

Sol:

Explanation

The correct sequence is 4-2-1-3.

- The sequence must start with the very first action of waking up. Sentence (4) describes her opening her eyes when the alarm rings, making it the introductory event.
- Immediately after the alarm rings, the next logical step is to stop the noise. Sentence (2) follows, where she switches off the alarm.
- Once awake and out of bed, a person typically attends to personal hygiene. Sentence (1) describes her brushing her teeth and freshening up.
- Finally, after freshening up, she prepares for the day. Sentence (3) completes the sequence as she gets dressed and goes for breakfast.

So the correct answer is (a)

Q.78 Arrange the passage correctly:

- (1) He tapped on the route with the least traffic and confirmed his choice.
- (2) He typed the name of his destination into the search box.
- (3) Several route options appeared on the screen with estimated travel times.
- (4) He launched the navigation app and allowed it to access his location.

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

Answer: B

Sol:

Explanation

The correct sequence is 4-2-3-1.

- The process must begin with opening the tool required for the task. Sentence (4) establishes this by launching the navigation app.
- After the app is open, the user needs to provide data. Sentence (2) describes him typing the destination into the search box.
- Once the destination is entered, the app processes the request and displays results. Sentence (3) follows naturally as route options appear on the screen.
- The final step in the sequence is making a selection. Sentence (1) concludes the process as he taps the best route and confirms it.

So the correct answer is (b)

Q.79 Pick the correctly spelled word:

- A. Occultt
- B. Ocult
- C. Occult
- D. Occullt

Answer: C

Sol:

Explanation

Option (c) is the correctly spelt word.

The correct spelling is '**Occult**'. It refers to mystical, supernatural, or magical powers, practices, or phenomena that are beyond the range of ordinary belief or knowledge. (गुप्त/रहस्यमय)

Example: He began to show a strange interest in the \$occult\$ after visiting the old library.

Parts of Speech

The word 'Occult' can function as an **Adjective** (meaning mysterious or supernatural), a **Noun** (referring to occult matters), or a **Verb** (meaning to cut off from view).

So the correct answer is (c)

Q.80 What is the correct meaning of the idiom "A slap on the wrist"?

- A. A severe penalty
- B. A physical punishment
- C. A token reprimand with little consequence
- D. An act of appreciation

Answer: C

Sol:

Explanation

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

A slap on the wrist: This idiom refers to a very mild punishment or warning for a mistake or crime that could have resulted in much more severe consequences. (नाममात्र की सजा/हल्की चेतावनी)

Example: The court gave the billionaire a \$slap on the wrist\$ for a crime that would have put anyone else in jail for years.

Other related idioms

- **A rap on the knuckles:** A minor punishment or a ticking off.
- **Get off scot-free:** To escape punishment entirely.

So the correct answer is (c)

Q.81 Select the word most opposite in meaning to 'Harass':

- A. Torment
- B. Pester
- C. Soothe
- D. Provoke

Answer: C

Sol:

Explanation

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

Harass: To subject someone to aggressive pressure, intimidation, or persistent annoyance. (परेशान करना/तंग करना)

Example: The creditors continued to \$harass\$ him for the unpaid debts.

Soothe: To gently calm a person or their feelings; to reduce pain or discomfort. (शांत करना/दिलासा देना)

Example: A warm bath can help soothe tense muscles after a long day.

Synonyms: Annoy, Badger, Intimidate, Molest.

Antonyms: Comfort, Assist, Help, Please.

Meanings of other options

- **Option A (Torment):** To cause severe physical or mental suffering. (यातना देना)
- **Option B (Pester):** To trouble or annoy someone with frequent or persistent requests. (तंग करना)
- **Option D (Provoke):** To stimulate or give rise to a reaction or emotion, typically a strong or unwelcome one. (उकसाना)

So the correct answer is (c)

Q.82 Choose the word most similar in meaning to 'Notorious':

- A. Honourable
- B. Disreputable
- C. Celebrated
- D. Respected

Answer: B

Sol: **Explanation**

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

Notorious: Famous or well known, typically for some bad quality or deed. (कुख्यात)

Example: The area is notorious for its high crime rate.

Disreputable: Not considered to be respectable in character or appearance. (बदनाम/अपमानजनक)

Example: He was asked to leave because of his disreputable behavior.

Synonyms: Infamous, Scandalous, Flagrant, Ill-famed.

Antonyms: Reputable, Respected, Famous, Estimable.

Meanings of other options:

- **Option A (Honourable):** Deserving of honor or high respect. (माननीय)
- **Option C (Celebrated):** Greatly admired; renowned. (प्रसिद्ध)
- **Option D (Respected):** Admired by many people for achievements or good qualities. (आदरणीय)

So the correct answer is (b)

Q.83 Choose the correct one-word substitution for:

"The deliberate extermination of a large group of people, especially of a particular ethnicity."

- A. Homicide
- B. Infanticide
- C. Patricide
- D. Genocide

Answer: D

Sol: **Explanation**

The correct one-word for the given group of words is (d) Genocide.

Genocide: It refers to the systematic and planned killing of a large group of people, specifically those belonging to a particular nation, ethnic group, or race. (जातिसंहार)

Example: The international community must work together to prevent \$genocide\$ anywhere in the world.

Meanings of other options

- **Option A (Homicide):** The killing of one human being by another. (नरहत्या)
- **Option B (Infanticide):** The crime of killing a child within a year of birth. (शिशुहत्या)
- **Option C (Patricide):** The killing of one's father. (पितृहत्या)

So the correct answer is (d)

Q.84 Find the part of the sentence that contains an error:

The director insisted (1) / to review all the files (2) / before signing (3) / the final agreement (4).

- A. The director insisted (1)
- B. to review all the files (2)
- C. before signing (3)
- D. the final agreement. (4)

Answer: B

Sol:

Explanation

Option (b) contains an error.

The verb '**insisted**' is followed by the preposition '**on**' and the gerund form of the verb, or by a '**that**' clause. It cannot be followed directly by an infinitive (to + verb). Therefore, 'to review' should be replaced with 'on reviewing'.

Grammatical rule used: Certain verbs are followed by specific prepositions. The verb 'insist' takes the preposition 'on' followed by a gerund (V1 + ing).

Example: He insisted \$on paying\$ for the meal.

Information Booster

If we use a 'that' clause, the sentence would be: "The director insisted that he review all the files..." (using the subjunctive mood).

So the correct answer is (b)

Q.85 Fill in the blank with most appropriate tense:

If she practises regularly, she __ the competition.

- A. wins
- B. won
- C. winning
- D. will win

Answer: D

Sol:

Explanation

The correct option to fill in the blank is (d) will win.

This sentence is an example of a **First Conditional** sentence. The First Conditional is used to express a real possibility in the future based on a condition.

Grammatical rule used: The structure of the first conditional is: *If + Simple Present, Simple Future (will + V1)*. Since the 'if' clause ('If she practises regularly') is in the simple present, the main clause must be in the simple future.

Example: If it rains, we will cancel the trip.

Why other options are incorrect

- **Option A (wins):** Used for general truths, not specific future results in this construction.

- **Option B (won):** This is past tense, used in the second conditional (If she practised...).
- **Option C (winning):** This is a gerund/participle and cannot function as a finite verb without an auxiliary.

So the correct answer is (d)

Q.86 What does the idiom "Toe the line" mean?

- A. To stand at the starting point
- B. To rebel against authority
- C. To comply with rules or standards
- D. To hesitate before acting

Answer: C

Sol:

Explanation

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

Toe the line: This idiom means to accept the authority, principles, or policies of a particular group, especially under pressure. (नियमों का पालन करना)

Example: In that company, if you don't \$toe the line\$, you will be fired very quickly.

Other related idioms

- **Follow suit:** To do the same thing as someone else.
- **Abide by:** To follow a rule or decision.

So the correct answer is (c)

Q.87 Find the part of the sentence that contains an error:

The guests will be arrived (1) / at the venue (2) / well before (3) / the ceremony begins (4).

- A. The guests will be arrived (1)
- B. at the venue (2)
- C. well before (3)
- D. the ceremony begins. (4)

Answer: A

Sol: **Explanation**

Option (a) contains an error.

The phrase 'will be arrived' is grammatically incorrect in this context. 'Arrive' is an intransitive verb and does not take a passive form like 'be arrived' to indicate a future action. The sentence should use either the **Simple Future** ('will arrive') or the **Future Perfect** ('will have arrived') to show an action completed before a certain time.

Grammatical rule used: Future Perfect Tense (Subject + will have + V3) is used for an action that will be completed before another action in the future.

Example: I \$will have finished\$ my work by 5 PM.

Information Booster

Always use 'will + V1' for simple future predictions and 'will have + V3' for actions completed by a specific point in the future.

So the correct answer is (a)

Q.88 Select the word most opposite in meaning to 'Jovial':

- A. Merry
- B. Lively
- C. Sullen
- D. Playful

Answer: C

Sol: **Explanation**

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

Jovial: Cheerful and friendly in nature or mood. (प्रसन्नचित्त/खुशमिजाज)

Example: She was in a jovial mood after receiving the good news.

Sullen: Bad-tempered and sulky; gloomy or depressed. (उदास/चिड़चिड़ा)

Example: He sat in sullen silence after the argument.

Synonyms: Cheerful, Jolly, Buoyant, Mirthful.

Antonyms: Miserable, Gloomy, Depressed, Surly.

Meanings of other options

- **Option A (Merry):** Cheerful and lively. (आनंदित)
- **Option B (Lively):** Full of life and energy; active and outgoing. (जिंदादिल)
- **Option D (Playful):** Fond of games and amusement; lighthearted. (चंचल)

So the correct answer is (c)

Q.89 Which word is spelled correctly?

- A. Recieve
- B. Recive
- C. Receive
- D. Receeve

Answer: C

Sol: **Explanation**

Option (c) is the correctly spelt word.

The correct spelling is '**Receive**'. It means to be given, presented with, or paid something. (प्राप्त करना)

Example: Did you receive the email I sent you yesterday?

Parts of Speech

The word 'Receive' is a **Verb**. A common spelling rule to remember here is "I before E, except after C" when the sound is a long 'e'. Since this follows the letter 'c', the 'e' comes before 'i'.

So the correct answer is (c)

Q.90 Fill in the blank with most appropriate option:

The scientist displayed remarkable __ while conducting the experiment.

- A. patient
- B. patiently
- C. patience
- D. impatient

Answer: C

Sol:

Explanation

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

In the given sentence, we need a **Noun** to follow the adjective 'remarkable' and function as the object of the verb 'displayed'. 'Patience' is the noun form. (धैर्य)

Example: Success in research requires a great deal of \$patience\$.

Why other options are incorrect

- **Option A (patient):** This is an adjective (सहनशील) or a noun referring to a person under medical care. It doesn't fit the grammatical requirement for an abstract quality here.
- **Option B (patiently):** This is an adverb (धैर्यपूर्वक). Adverbs modify verbs, but here we need a noun object.
- **Option D (impatient):** This is an adjective meaning restless. It is contextually less likely and grammatically incorrect as a noun is needed.

So the correct answer is (c)

Q.91 Arrange the passage correctly:

- (1) He typed the message carefully and attached the required documents.
- (2) He clicked 'Send' after reviewing the email once more.
- (3) He opened his email account and clicked on 'Compose'.
- (4) He entered the recipient's address in the 'To' field.

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

Answer: B

Sol:

Explanation

The correct sequence is 3-4-1-2.

- The action must start with accessing the email service. Sentence (3) shows him opening the account and starting a new draft.
- The first step in a new email is usually defining who it is for. Sentence (4) follows as he enters the recipient's address.
- Next comes the content of the email. Sentence (1) describes him typing the message and attaching documents.
- The final step in any email process is the actual transmission. Sentence (2) concludes the sequence with him clicking 'Send'.

So the correct answer is (b)

Q.92 The word "bat" can refer to a flying mammal or a cricket equipment. This is an example of ___.

- A. antonym
- B. hypernym
- C. synonym
- D. homonym

Answer: D

Sol:

Explanation

The correct option to fill in the blank is (d) homonym.

A **homonym** is a word that has the same spelling and often the same pronunciation as another word but has a different meaning. (समानार्थक शब्द/अनेकार्थी)

Example: The word 'Bank' is a \$homonym\$ because it can mean a financial institution or the side of a river.

Why other options are incorrect

- **Option A (antonym):** A word opposite in meaning to another. (विलोम)
- **Option B (hypernym):** A word with a broad meaning that more specific words fall under (e.g., 'animal' is a hypernym for 'dog').
- **Option C (synonym):** A word that means exactly or nearly the same as another word. (पर्यायवाची)

So the correct answer is (d)

Q.93 Find the part of the sentence that contains an error:

Among the two candidates (1) / Anita is more skilled (2) / than Meena (3) / for the role (4).

- A. Among the two candidates (1)
- B. Anita is more skilled (2)
- C. than Meena (3)
- D. for the role. (4)

Answer: A

Sol:

Explanation

Option (a) contains an error.

The preposition '**Among**' is used when referring to more than two people or things. When referring to exactly two people or things, the preposition '**Between**' must be used.

Grammatical rule used: Use 'Between' for two items/people and 'Among' for three or more.

Example: There was an argument \$between\$ the two brothers.

Information Booster

There is an exception: 'Between' can be used for more than two if the items are distinct and named (e.g., between France, Germany, and Italy).

So the correct answer is (a)

Q.94 Choose the word most similar in meaning to 'Brisk':

- A. Sluggish
- B. Lethargic
- C. Vigorous
- D. Passive

Answer: C

Sol:

Explanation

The correct synonym of the given word is (c) Vigorous.

Brisk: Active, fast, and energetic. (तेज़/फुर्तीला)

Example: We went for a \$brisk\$ walk in the park to clear our heads.

Vigorous: Characterized by or involving physical strength, effort, or energy. (जोरदार/स्फूर्तिदायक)

Example: The plants require \$vigorous\$ growth to survive the winter.

Synonyms: Quick, Energetic, Rapid, Animated.

Antonyms: Slow, Sluggish, Idle, Inactive.

Meanings of other options

- Option A (Sluggish): Slow-moving or inactive. (सुस्त)
- Option B (Lethargic): Affected by lethargy; sluggish and apathetic. (सुस्त/आलसी)
- Option D (Passive): Accepting or allowing what happens or what others do, without active response. (निष्क्रिय)

So the correct answer is (c)

Q.95 Arrange the passage correctly:

- (1) Pour the brewed tea into a cup through a strainer.
- (2) Add tea leaves and sugar to the boiling water.
- (3) Heat water in a saucepan until it begins to boil.
- (4) Let the tea simmer on low flame for two minutes.

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

Answer: C

Sol:

Explanation

The correct sequence is 3-2-4-1.

- The process of making tea starts with the base. Sentence (3) describes heating the water to a boil.
- Once the water is boiling, the ingredients are added. Sentence (2) follows logically.
- After adding ingredients, the tea needs time to cook. Sentence (4) describes the simmering process.
- The final step is serving. Sentence (1) concludes the process by straining the tea into a cup.

So the correct answer is (c)

Q.96 Find the part of the sentence that contains an error:

Of all the players (1) / in the team, Ravi (2) / is the better (3) / at fielding (4).

- A. Of all the players (1)
- B. in the team, Ravi (2)
- C. is the better (3)
- D. at fielding. (4)

Answer: C

Sol:

Explanation

Option (c) contains an error.

The sentence compares Ravi with 'all the players' in the team (more than two). Therefore, the **Superlative degree** ('best') should be used instead of the **Comparative degree** ('better').

Grammatical rule used: Comparative degree is used for two things/people. Superlative degree is used for comparing more than two.

Example: He is the \$best\$ student in the class.

Information Booster

The structure 'the + comparative' is only used in specific cases like parallel increase (e.g., The higher you go, the cooler it is) or when choosing between exactly two.

So the correct answer is (c)

Q.97 Choose the correct one-word substitution for:
"An irrational fear of tight, enclosed, or confined spaces."

- A. Hydrophobia
- B. Claustrophobia
- C. Acrophobia
- D. Nyctophobia

Answer: B

Sol:

Explanation

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

Claustrophobia: It is an extreme or irrational fear of confined places or being locked in. (बंद जगहों से डर)

Example: He doesn't use the elevator because of his \$claustrophobia\$.

Meanings of other options

- **Option A (Hydrophobia):** Extreme or irrational fear of water. (पानी से डर)
- **Option C (Acrophobia):** Extreme or irrational fear of heights. (ऊँचाई से डर)
- **Option D (Nyctophobia):** Extreme or irrational fear of the night or darkness. (अंधेरे से डर)

So the correct answer is (b)

Q.98 Find the part of the sentence that contains an error:
She gave (1) / the most simplest explanation (2) / that anyone (3) / could have offered (4).

- A. She gave (1)
- B. the most simplest explanation (2)
- C. that anyone (3)
- D. could have offered. (4)

Answer: B

Sol:

Explanation

Option (b) contains an error.

The use of 'the most simplest' is a **Double Superlative** error. The word 'simplest' is already in the superlative degree. Therefore, 'most' is redundant and grammatically incorrect. It should be 'the simplest explanation'.

Grammatical rule used: Do not use 'more' or 'most' with adjectives that already have '-er' or '-est' endings.

Example: Incorrect: He is the \$most\$ tallest. Correct: He is the \$tallest\$.

Information Booster

Adjectives with one or two syllables usually take '-est', while longer adjectives take 'most' (e.g., most beautiful).

So the correct answer is (b)

Q.99 Arrange the passage correctly:
(1) He adjusted the frame and ensured the background was clear.
(2) He tapped the record button and began speaking confidently.
(3) He unlocked his phone and navigated to the video camera.
(4) Once the app was open, he propped the phone against a stand for stability.

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

Answer: B

Sol:

Explanation

The correct sequence is 3-4-1-2.

- The action starts with the physical device. Sentence (3) shows him unlocking the phone and opening the camera app.
- Once the app is open, the device needs to be positioned. Sentence (4) follows as he places it on a stand.
- After positioning, the shot needs to be checked. Sentence (1) describes adjusting the frame and background.
- The final step is the actual recording. Sentence (2) concludes the sequence with him starting the video.

So the correct answer is (b)

Q.100 Fill in the blank with most appropriate option:

The new policy was __ controversial among the senior officials.

- A. much
- B. very much
- C. quite
- D. too much

Answer: C

Sol:

Explanation

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

In this sentence, we need an **Adverb of Degree** to modify the adjective 'controversial'. 'Quite' is used to mean 'to a certain extent' or 'very'. (काफी/बिल्कुल)

Example: The movie was \$quite\$ interesting, although it was long.

Why other options are incorrect

- **Option A (much):** Usually modifies comparative adjectives (much better) or verbs, not simple adjectives like 'controversial' directly in this way.
- **Option B (very much):** Usually used at the end of a sentence to modify a verb (I like it very much).
- **Option D (too much):** Used with nouns (too much water) or after verbs, not as a direct modifier for a single adjective like this.

So the correct answer is (c)