Smart, Structured & Syllabus-Aligned Content

RICE EDUCATION



PYQs

BANKING EXAMS

IBPS Clerk Prelims 2025

Shift 2

PREVIOUS YEAR QUESTIONS

IBPS Clerk Prelims 2025 Memory Based Paper

4 October 2025 (2nd Shift)

Quantitative Aptitude

Directions (1-5): The line graph shows the total population (in thousands) of a town from 2002 to 2006: 2002 = 240, 2003 = 270, 2004 = 300, 2005 = 330, 2006 = 390.

Year	Total Population (in thousands)
2002	240
2003	270
2004	300
2005	330
2006	390

Q1. The population in 2006 is approximately what percentage of the population in 2003?

(a) 135% (b) 144.44% (c) 140% (d) 150% (e) 155.56%

Answer: (b)

Explanation: Required percentage = (390 / 270) × 100 = (13 / 9) × 100 ≈ 144.44%.

Q2. The average annual increase in population from 2002 to 2006 is:

(a) 32.5 thousand (b) 35 thousand (c) 37.5 thousand (d) 40 thousand (e) 42.5 thousand

Answer: (c)

Explanation: Total increase from 2002 to 2006 = 390 - 240 = 150 thousand over 4 years. Average annual increase = 150 / 4 = 37.5 thousand.

Q3. The population in 2005 exceeds the average population of 2002 and 2004 by how many thousand?

(a) 50 (b) 55 (c) 65 (d) 60 (e) 70

Answer: (d)

Explanation: Average of 2002 and 2004 = (240 + 300) / 2 = 270. Difference = 330 - 270 = 60 thousand.

Q4. The increase in population from 2004 to 2006 is what percentage more than the increase from 2002 to 2004?

(a) 40% (b) 50% (c) 60% (d) 75% (e) 80%

Answer: (b)

Explanation: Increase from 2004 to 2006 = 390 - 300 = 90. Increase from 2002 to 2004 = 300 - 240 = 60. Percentage more = ((90 - 60) / 60) × 100 = (30 / 60) × 100 = 50%.

Q5. If 40% of the population in 2006 are females, then the number of males in 2006 is how many thousand less than the total population in 2002?

(a) 6 (b) 3 (c) 8 (d) 10 (e) 12

Answer: (a)

Explanation: Males in 2006 = 60% of 390 = 234 thousand. Total population in 2002 = 240 thousand. Difference = 240 - 234 = 6 thousand.

Directions (6-17): What should come in place of question mark (?) in the following questions?

Q6. 150% of 240 + 25% of 160 = ?

(a) 380 (b) 390 (c) 400 (d) 410 (e) 420

Answer: (c)

Explanation: 1.5 × 240 + 0.25 × 160 = 360 + 40 = 400.

Q7. $(\sqrt{4900} - \sqrt[3]{1728}) \times (1/2) = ?$

(a) 28 (b) 29 (c) 30 (d) 31 (e) 32

Answer: (b)

Explanation: (70 - 12) × 0.5 = 58 × 0.5 = 29.

Q8. 25.678 - 8.432 - 7.246 - 3 = ?

(a) 6.5 (b) 6.9 (c) 7 (d) 7.05 (e) 7.1

Answer: (c)

Explanation: 25.678 - (8.432 + 7.246 + 3) = 25.678 - 18.678 = 7.

Q9. $\sqrt{(?)} \times \sqrt{1600} = 2000$

(a) 2500 (b) 2601 (c) 2401 (d) 2304 (e) 2209

Answer: (a)

Explanation: $\sqrt{(?)} \times 40 = 2000 \Rightarrow \sqrt{(?)} = 50 \Rightarrow ? = 50^2 = 2500$.

Q10. 6859 + 1331 - 3277 = ?

(a) 4913 (b) 1512 (c) 5650 (d) 4170 (e) 7218

Answer: (a)

Explanation: 8190 - 3277 = 4913.

Q11. 40% of 150 + 20% of 200 = ?

(a) 90 (b) 100 (c) 114 (d) 105 (e) 110

Answer: (b)

Explanation: 60 + 40 = 100.

Q12. 3750 ÷ 12.5 + 180 = ?

(a) 460 (b) 480 (c) 410 (d) 490 (e) 500

Answer: (b)

Explanation: 300 + 180 = 480.

Q13. $\sqrt[3]{512}$ + 25% of 16 = ? + 3

(a) 8 (b) 9 (c) 7 (d) 10 (e) 6

Answer: (b)

Explanation: 8 + 4 = ? + 3 => 12 = ? + 3 => ? = 9.

Q14. (96)^2 + (?) = (140)^2 - (60)^2 - 816

(a) 5968 (b) 5984 (c) 6000 (d) 6016 (e) 6032

Answer: (a)

Explanation: 9216 + ? = 19600 - 3600 - 816 = 15184 => ? = 15184 - 9216 = 5968.

Q15. √49 + 3(1/2) × 4 + ? = 35

(a) 12 (b) 13 (c) 14 (d) 15 (e) 16

Answer: (c)

Explanation: 7 + (7/2 × 4) + ? = 35 => 7 + 14 + ? = 35 => 21 + ? = 35 => ? = 14.

Q16. (?)^2 = 64 × 441 × (1/49)

(a) 20 (b) 22 (c) 14 (d) 26 (e) 24

Answer: (e)

Explanation: (?)^2 = 64 × 9 = 576 => ? = √576 = 24.

Q17. 845 + 55 + ? = 1000 + 50

(a) 140 (b) 150 (c) 160 (d) 130 (e) 120

Answer: (b)

Explanation: 900 + ? = 1050 => ? = 150.

Directions (18-22): The table shows the number of School Textbooks sold by four stores (A, B, C and D) during a month.

Stores	Mathematics	Science	English	Social Science	Computer Science
A	320	260	180	220	140
B	280	300	220	180	160
C	360	240	200	260	120
D	300	280	240	200	180

Q18. The total number of textbooks sold by Store C is approximately what percentage more than the total number of textbooks sold by Store A?

(a) 2% (b) 5% (c) 8% (d) 11% (e) 18%

Answer: (b)

Explanation: Total textbooks sold by A = 320 + 260 + 180 + 220 + 140 = 1120. Total textbooks sold by C = 360 + 240 + 200 + 260 + 120 = 1180. Percentage more = ((1180 - 1120) / 1120) × 100 = (60 / 1120) × 100 ≈ 5.36% ≈ 5%.

Q19. The number of Computer Science textbooks sold by Stores B and D together is how many more or less than the number of Mathematics textbooks sold by Stores A and C together?

(a) 340 (b) 180 (c) 270 (d) 450 (e) 290

Answer: (a)

Explanation: Computer Science (B + D) = 160 + 180 = 340. Mathematics (A + C) = 320 + 360 = 680. Difference = 680 - 340 = 340.

Q20. Find the average number of Social Science textbooks sold by all four stores.

(a) 205 (b) 210 (c) 215 (d) 220 (e) 225

Answer: (c)

Explanation: Average = (220 + 180 + 260 + 200) / 4 = 860 / 4 = 215.

Q21. Find the ratio of the total number of English textbooks sold by store C to the total number of Social Science textbooks sold by store B.

(a) 18:33 (b) 10:3 (c) 10:9 (d) 10:11 (e) 11:5

Answer: (c)

Explanation: English sold by C = 200. Social Science sold by B = 180. Ratio = 200 : 180 = 10 : 9.

Q22. If 25% of the Mathematics textbooks sold by Store B were returned by customers, then how many Mathematics textbooks finally remained sold by Store B?

(a) 200 (b) 210 (c) 235 (d) 215 (e) 220

Answer: (b)

Explanation: Total Math sold by B = 280. 25% returned = 70. Remaining sold = 280 - 70 = 210.

Arithmetic Word Problems

Q23. A & B entered into a business with capitals of Rs 24,000 and Rs 30,000 respectively. After 4 months, B left the business. If at the end of the year the total profit is Rs 3,400, then find the profit share of B.

(a) Rs 800 (b) Rs 900 (c) Rs 1000 (d) Rs 1100 (e) Rs 1200

Answer: (c)

Explanation: Profit ratio A : B = (24000 × 12) : (30000 × 4) = 288000 : 120000 = 12 : 5. B's share = (5 / 17) × 3400 = Rs 1000.

Q24. Ravi saves 18% of his income. If his income is increased by 20% and expenditure increases by (1/12)th of the original expenditure, then find the increment in his savings is what percent of his initial income.

(a) 12(2/3)% (b) 13(2/6)% (c) 13(1/6)% (d) 15% (e) 12(1/2)%

Answer: (c)

Explanation: Let initial income = 100. Savings = 18, Expenditure = 82. Increase in income = 20. Increase in expenditure = 82 / 12 = 41 / 6 ≈ 6.83. Increase in savings = 20 - 41/6 = 79/6 = 13(1/6)%.

Q25. The population of a town was 25,000. It increased by 10% in the first year and decreased by 20% in the second year. What is the population at the end of two years?

(a) 21000 (b) 22000 (c) 23000 (d) 24000 (e) 25000

Answer: (b)

Explanation: Population = 25000 × 1.10 × 0.80 = 25000 × 0.88 = 22,000.

Q26. The average of A, B and C is 72. A is 24 more than B. If the ratio of (A + B) to C is 5:4, then find the value of B.

(a) 40 (b) 48 (c) 56 (d) 64 (e) 72

Answer: (b)

Explanation: A + B + C = 216. Ratio (A + B) : C = 5 : 4 => (A + B) = 120, C = 96. Also A - B = 24. Adding equations: 2A = 144 => A = 72. B = 120 - 72 = 48.

Q27. The present ages of a mother and daughter together are 60 years. Five years ago, the mother's age was three times the daughter's age. Find the present age of the mother (in years).

(a) 40 (b) 42.5 (c) 45.5 (d) 48 (e) 50.5

Answer: (b)

Explanation: Five years ago sum of ages = 60 - 10 = 50. Mother's age 5 yrs ago = (3/4) × 50 = 37.5. Mother's present age = 37.5 + 5 = 42.5 years.

Q28. The marked price of a shirt is Rs. 1050 and P bought it for Rs. 756, after getting two successive discounts. If the first discount is 10%, then find the second discount?

(a) 15% (b) 20% (c) 22% (d) 24% (e) 12%

Answer: (b)

Explanation: Price after 10% discount = 1050 × 0.9 = 945. Second discount = ((945 - 756) / 945) × 100 = (189 / 945) × 100 = 20%.

Q29. In 150 liters of pure milk, 50 liters of water is added. Then 20% of the mixture is removed. After that, y liters of water is added such that water becomes 50% of the final mixture. Find the value of y.

(a) 25 (b) 80 (c) 35 (d) 40 (e) 55

Answer: (b)

Explanation: Total = 200 L (Milk 150, Water 50). Remove 20%: Milk left = 120 L, Water left = 40 L. In final mixture, water is 50%, so water = milk = 120 L. Thus 40 + y = 120 => y = 80 liters.

Q30. A and B invested Rs 450 and Rs 800 on simple interest at rate of 20% p.a. and 10% p.a. for two years respectively. Find the ratio between the interest received by B and A respectively?

(a) 9:8 (b) 8:9 (c) 4:5 (d) 8:11 (e) 8:7

Answer: (b)

Explanation: Interest A = 450 × 20 × 2 / 100 = 180. Interest B = 800 × 10 × 2 / 100 = 160. Ratio B : A = 160 : 180 = 8 : 9.

Q31. The average of four negative and two positive numbers is zero and the average of the two positive numbers is 25. What could be the possible lowest number among the set of negative numbers? (All numbers are integers)

(a) -1 (b) -2 (c) 47 (d) 1 (e) -47

Answer: (e)

Explanation: Sum of all 6 numbers = 0. Sum of 2 positive numbers = 50. Sum of 4 negative integers = -50. To minimize one negative integer, make the other three maximum negative integers (-1 each): Lowest number = -50 - 3(-1) = -50 - (-3) = -47.

Q32. The ratio of side of two squares X and Y is 5:9 respectively. If difference between diagonal of these two squares is $16\sqrt{2}$ cm, then find the difference between area of these two squares (in cm^2)?

(a) 896 (b) 256 (c) 796 (d) 596 (e) 696

Answer: (a)

Explanation: Difference in diagonals = $(s2 - s1)\sqrt{2} = 16\sqrt{2}$ => s2 - s1 = 16. Sides are 5x and 9x => 4x = 16 => x = 4. Side X = 20, Side Y = 36. Area Y - Area X = $36^2 - 20^2 = 1296 - 400 = 896$ cm^2.

Q33. A class has two sections. The average marks of all the students in the class is 70. The average marks of Section A are 65, and the average marks of Section B are 85. What is the ratio of the number of students in Section A to Section B?

(a) 2:7 (b) 17:24 (c) 3:1 (d) 1:7 (e) 2:3

Answer: (c)

Explanation: By alligation: (85 - 70) : (70 - 65) = 15 : 5 = 3 : 1.

Q34. A train crosses a bridge which is 240 meters long in 28 seconds and the same train crosses a static pole in 16 seconds. Find the length and the speed of the train (in meters & km/hr) respectively?

(a) 240 & 72 (b) 360 & 72 (c) 480 & 72 (d) 320 & 72 (e) 400 & 72

Answer: (d)

Explanation: Speed = 240 / (28 - 16) = 240 / 12 = 20 m/s = 20 × (18/5) = 72 km/hr. Length = 20 × 16 = 320 meters.

Q35. The ratio of speed of a boat in upstream to that of in downstream is 3:5 and the speed of stream is 4 m/sec. Find the time taken by boat to cover the total distance of 120 meters in both upstream and downstream together?

(a) 14 sec (b) 12 sec (c) 15 sec (d) 16 sec (e) 26 sec

Answer: (d)

Explanation: Downstream - Upstream = 2 × stream speed = 8 m/s. Ratio difference (5k - 3k) = 2k = 8 => k = 4. Upstream speed = 12 m/s, Downstream speed = 20 m/s. Time = (120 / 12) + (120 / 20) = 10 + 6 = 16 seconds.

English Language

Directions (36-45): Read the following passage and answer the given questions.

Behind every handcrafted guitar sold in California lies a supply chain that stretches deep into forests thousands of miles away. For decades, boutique guitar manufacturers in the state have depended on specific tonewoods—spruce for soundboards, mahogany for necks, rosewood for fingerboards—prized not merely for their physical properties but for the unique acoustic resonance they impart to an instrument. Yet the very forests that supply these materials are under mounting pressure, forcing the industry to confront an uncomfortable question: can fine guitar making survive without contributing to deforestation?

The problem is not simply one of demand. Tonewoods are extraordinarily selective materials. A luthier crafting a high-end acoustic guitar requires wood that is straight-grained, free of knots, aged adequately, and harvested at precisely the right stage of the tree's maturity. This specificity means that even within a sustainably managed forest, only a small fraction of available timber meets the exacting standards that premium guitar production demands. Indiscriminate logging in pursuit of these select pieces causes disproportionate damage to surrounding forest ecosystems.

Regulatory pressure has also intensified. Amendments to the United States Lacey Act have made it a federal offence to import wood harvested in violation of the laws of the source country, compelling California guitar companies to trace every piece of timber back to its origin with documented precision. Several manufacturers have responded by building direct partnerships with

certified sustainable forestry operations in countries such as Canada, Germany, and responsibly managed regions of South America.

Some companies have gone further, investing in alternative materials research. Composite carbon fibre necks, reclaimed urban timber, and plantation-grown alternatives such as Sitka spruce cultivated specifically for acoustic properties are gradually entering production lines. Certain manufacturers have begun seasoning and storing legally sourced wood decades in advance, building strategic timber reserves that insulate them from both supply disruptions and regulatory uncertainty.

The finest guitars, it turns out, require not only skilled hands but also an ethical and carefully managed relationship with the forests that make them possible.

Q36. Which of the following statements is/are correct according to the passage?
(I) Tonewoods are prized not only for physical properties but also for the unique acoustic resonance they provide to instruments.
(II) The United States Lacey Act amendments made it compulsory for guitar companies to trace timber back to its origin with documented precision.
(III) Every piece of timber within a sustainably managed forest meets the exacting standards required for premium guitar production.

(a) Only (I) (b) Both (I) and (II) (c) Only (III) (d) Both (II) and (III) (e) All (I), (II) and (III)

Answer: (b)

Explanation: Statements I and II are explicitly stated. Statement III is false because only a small fraction meets the exacting standards.

Q37. Which of the following statements is/are incorrect according to the passage?
(I) Composite carbon fibre necks and reclaimed urban timber are completely replacing traditional tonewoods across all guitar manufacturers.
(II) Some California guitar manufacturers have built direct partnerships with certified sustainable forestry operations in Canada and Germany.
(III) Certain manufacturers have begun storing legally sourced wood decades in advance to insulate themselves from supply disruptions.

(a) Only (I) (b) Only (II) (c) Both (I) and (III) (d) Both (II) and (III) (e) All (I), (II) and (III)

Answer: (a)

Explanation: Statement I is incorrect because alternative materials are 'gradually entering production lines', not completely replacing traditional tonewoods across all makers.

Q38. Which of the following statements is/are TRUE about the characteristics of trees and timber required for premium guitar production?
(I) Wood selected for guitar making must be straight-grained, knot-free, adequately aged, and harvested at the right stage of tree maturity.
(II) Within any forest, most available trees naturally meet the strict quality standards that boutique guitar manufacturers require.

(III) Selective tonewood harvesting causes damage extending beyond targeted trees to surrounding forest ecosystems.

(a) Only (I) (b) Both (I) and (III) (c) Only (II) (d) Both (II) and (III) (e) All (I), (II) and (III)

Answer: (b)

Explanation: Statements I and III are directly supported by the second paragraph.

Q39. What does the passage suggest about the role of regulatory pressure in reshaping California's guitar manufacturing industry?

(a) Regulations have completely shut down guitar manufacturing by making timber imports legally impossible for boutique producers (b) Regulations have primarily benefited large corporations while pushing boutique guitar makers out of the market (c) Regulatory frameworks have encouraged guitar companies to relocate their manufacturing operations outside the United States (d) Government pressure has forced manufacturers to abandon acoustic guitars entirely in favour of electric instruments (e) Federal legislation has compelled manufacturers to establish traceable and documented timber sourcing practices

Answer: (e)

Explanation: The Lacey Act made it mandatory to trace timber back to origin with documented precision.

Q40. According to the passage, why does tonewood harvesting cause disproportionate damage even within sustainably managed forests?

(a) Sustainable forest management prohibits selective harvesting making it impossible to extract only the finest quality timber (b) Guitar manufacturers deliberately target the oldest trees causing irreversible damage to ancient forest ecosystems (c) Only a small fraction of available timber meets required standards meaning much surrounding forest is disturbed during selection (d) Tonewood extraction requires complete forest clearing since individual tree selection is technically impossible at scale (e) Sustainably managed forests produce inferior tonewoods forcing manufacturers to secretly source from unprotected regions

Answer: (c)

Explanation: Only a small fraction meets exacting standards, so searching for and logging select pieces causes disproportionate ecosystem damage.

Q41. Choose the word most similar in meaning to 'impart' as used in the passage.

(a) Remove (b) Withhold (c) Demand (d) Convey (e) Extract

Answer: (d)

Explanation: 'Impart' in this context means to bestow or give/convey a quality (acoustic resonance).

Q42. Choose the word most similar in meaning to 'exacting' as used in the passage.

(a) Flexible (b) Lenient (c) Relaxed (d) Ordinary (e) Stringent

Answer: (e)

Explanation: 'Exacting' means demanding strict attention to precision or high standards; hence 'stringent'.

Q43. Choose the most appropriate word to fill in the blank ('...aged adequately, and _____ at precisely the right stage...'):

(a) planted (b) discarded (c) harvested (d) processed (e) transported

Answer: (c)

Explanation: Timber/wood is 'harvested' at the right stage of the tree's maturity.

Q44. What alternative approaches have some guitar manufacturers adopted to reduce dependence on traditional tonewoods?

(a) Completely abandoning handcrafted production and shifting toward mass manufacturing using synthetic materials (b) Lobbying governments to relax environmental regulations to ensure continued access to traditional forest timber (c) Investing in composite materials, reclaimed urban timber, and plantation-grown alternatives with acoustic properties (d) Importing finished guitar components from countries with less stringent environmental and forestry regulations (e) Replacing all wooden components with carbon fibre making acoustic resonance entirely independent of natural materials

Answer: (c)

Explanation: Manufacturers are using composite carbon fibre, reclaimed urban timber, and plantation-grown alternatives.

Q45. The passage mentions that certain manufacturers have begun 'seasoning and storing legally sourced wood decades in advance.' What does this strategy most accurately reveal about the guitar manufacturing industry?

(a) Manufacturers are stockpiling timber illegally to circumvent the provisions of the amended United States Lacey Act (b) Forward-looking manufacturers treat sustainably sourced timber as a long-term strategic asset rather than a routine raw material (c) Storing wood in advance indicates that guitar manufacturers have abandoned investment in alternative material research entirely (d) This practice suggests manufacturers believe plantation-grown alternatives will permanently fail to meet acoustic quality standards (e) Advance timber storage reflects manufacturers' intention to exit the guitar industry once existing wood reserves are fully exhausted

Answer: (b)

Explanation: Storing wood decades in advance shows strategic planning to buffer against supply and regulatory shocks.

Directions (46-49): In each question, a sentence is divided into four parts. Rearrange these parts to form a grammatically and contextually correct sentence.

Q46. Rearrange: (A) are more likely to be hospitalized / (B) for heat-related illness / (C) research suggests that people taking / (D) antipsychotics or cardiovascular drugs

(a) CDAB (b) ADCB (c) CABD (d) BADC (e) No rearrangement required

Answer: (a)

Explanation: Correct sentence: 'Research suggests that people taking (C) antipsychotics or cardiovascular drugs (D) are more likely to be hospitalized (A) for heat-related illness (B).'

Q47. Rearrange: (A) manufacturers striving to / (B) meet customer demand consistently / (C) chain is essential for / (D) designing an efficient supply

(a) ACDB (b) CADB (c) BACD (d) DCAB (e) No rearrangement required

Answer: (d)

Explanation: Correct sentence: 'Designing an efficient supply (D) chain is essential for (C) manufacturers striving to (A) meet customer demand consistently (B).'

Q48. Rearrange: (A) National Statistical Office on Friday. / (B) as shown by data released by the / (C) a five-quarter low of 6.7 percent / (D) India's GDP growth slipped to

(a) DCAB (b) DCBA (c) CDAB (d) CADB (e) No rearrangement required

Answer: (b)

Explanation: Correct sentence: 'India's GDP growth slipped to (D) a five-quarter low of 6.7 percent (C) as shown by data released by the (B) National Statistical Office on Friday (A).'

Q49. Rearrange: (A) cleaner, safer and more sustainable / (B) challenge of decarbonizing while / (C) the automotive industry faces twin / (D) helping to make urban transport

(a) BCDA (b) DCAB (c) CDBA (d) CBDA (e) No rearrangement required

Answer: (d)

Explanation: Correct sentence: 'The automotive industry faces twin (C) challenge of decarbonizing while (B) helping to make urban transport (D) cleaner, safer and more sustainable (A).'

Directions (50-54): Identify the misspelled or contextually inappropriate word. If all words are correct, select 'All are correct'.

Q50. The warden considered it esential to maintain discipline among the inmates, conducting surprise inspections every alternate week.

(a) surprise (b) discipline (c) inmates (d) esential (e) All are correct

Answer: (d)

Explanation: The word 'esential' is misspelled; the correct spelling is 'essential'.

Q51. The officer promptly responded to the customer's grievance and assured him of a satisfactory resolution within two working days.

(a) officer (b) responded (c) grievance (d) satisfactory (e) All are correct

Answer: (e)

Explanation: All words are spelled and used correctly.

Q52. The probationer was assigned a routine task of reconciling the daily transections before the close of business hours.

(a) probationer (b) assigned (c) routine (d) transections (e) All are correct

Answer: (d)

Explanation: The word 'transections' is misspelled; the correct spelling is 'transactions'.

Q53. The teller carefully counted the cash, matched it against the ledger and reported the balance to the branch manager.

(a) teller (b) counted (c) ledger (d) balance (e) All are correct

Answer: (e)

Explanation: All highlighted words are correctly spelled and contextually accurate.

Q54. The junoir prefect diligently supervised the morning assembly, ensuring every participant adhered to the prescribed code of conduct.

(a) junoir (b) diligently (c) participant (d) prescribed (e) All are correct

Answer: (a)

Explanation: The word 'junoir' is misspelled; the correct spelling is 'junior'.

Q55. Identify the statements where the word 'BOARD' is used in a contextually and grammatically correct manner:
(I) The manager decided to board the proposal before presenting it to the clients.
(II) The passengers were asked to board the train at Platform 4 ten minutes before departure.
(III) She was invited to join the board of directors because of her extensive experience in finance.

(a) Only (I) (b) Both (I) and (II) (c) Both (II) and (III) (d) Only (III) (e) All of these

Answer: (c)

Explanation: In (I), 'board the proposal' is incorrect (should be table/shelve). (II) and (III) are correct usages.

Directions (56-60): In the following passage there are blanks, each denoted by letters (A-E). Choose the most appropriate word that fits each blank.

Planting trees is one of the most effective ways to improve the environment, but achieving long-term success requires following certain steps. Before beginning any plantation drive, it is important to _(A)_ suitable native species according to the local climate and soil conditions. Experts recommend preparing the land properly, ensuring adequate spacing, and combining tree planting with water conservation measures so that young plants receive the support they need. These practices can be _(B)_ with regular monitoring to increase the survival rate of saplings.
Another important aspect is protecting newly planted trees from grazing animals, pests, and extreme weather. Local communities, schools, and volunteers can _(C)_ together to care for the plants during the first few years, when they are most vulnerable. Simple measures such as mulching, watering during dry periods, and replacing damaged saplings will help to _(D)_ healthy growth and improve the overall success of the project. When these guidelines are followed consistently, tree plantation campaigns can create lasting environmental benefits. Such well-planned efforts can _(E)_ a healthier and greener future for generations to come.

Q56. Which of the following words will fit in the given blank (A)?

(a) select (b) borrow (c) collect (d) reject (e) disturb

Answer: (a)

Explanation: Before planting, one must 'select' suitable native species.

Q57. Which of the following words will fit in the given blank (B)?

(a) separated (b) combined (c) removed (d) exchanged (e) postponed

Answer: (b)

Explanation: These practices can be 'combined' with regular monitoring.

Q58. Which of the following words will fit in the given blank (C)?

(a) compete (b) hesitate (c) work (d) divide (e) disappear

Answer: (c)

Explanation: Volunteers and communities can 'work' together.

Q59. Which of the following words will fit in the given blank (D)?

(a) prevent (b) ignore (c) reduce (d) ensure (e) interrupt

Answer: (d)

Explanation: These measures will help to 'ensure' healthy growth.

Q60. Which of the following words will fit in the given blank (E)?

(a) damage (b) threaten (c) weaken (d) postpone (e) create

Answer: (e)

Explanation: Well-planned efforts can 'create' a healthier and greener future.

Directions (61-65): Identify the segment containing a grammatical error. If correct, select 'No error'.

Q61. The frog (A) / is capable of (B) / surviving in (C) / both land and water. (D)

(a) A (b) B (c) C (d) D (e) No error

Answer: (c)

Explanation: Preposition error: 'surviving on both land and in water' or 'surviving both on land and in water'. Part (C) is erroneous.

Q62. The committee approved (A) / the proposal (B) / of implement the (C) / revised procedure immediately. (D)

(a) A (b) B (c) C (d) D (e) No error

Answer: (c)

Explanation: Preposition followed by verb requires gerund ('of implementing') or infinitive ('to implement'). Part (C) is erroneous.

Q63. The athlete had (A) / broke the previous (B) / championship record before (C) / turning professional. (D)

(a) A (b) B (c) C (d) D (e) No error

Answer: (b)

Explanation: Past perfect takes past participle: 'had broken', not 'had broke'. Part (B) is erroneous.

Q64. The horse was (A) / in not mood (B) / to continue the race (C) / after the long journey. (D)

(a) A (b) B (c) C (d) D (e) No error

Answer: (b)

Explanation: Idiom error: it should be 'in no mood', not 'in not mood'. Part (B) is erroneous.

Q65. The research (A) / findings has encouraged (B) / several institutions to (C) / revise their policies. (D)

(a) A (b) B (c) C (d) D (e) No error

Answer: (b)

Explanation: Subject 'research findings' is plural; verb should be 'have encouraged'. Part (B) is erroneous.

Reasoning Ability

Directions (66-69): Study the following information carefully and answer the questions.
Eight boxes - I, J, K, L, M, N, O and P are kept one above another in a single stack.
Four boxes are kept between box K and box M. Box N is kept two boxes above box K. Two boxes are kept between box N and box P. Box P and box I are kept adjacent to each other. Box J is kept immediately above box O. As many boxes are kept below box O as above box L.
[Arrangement from Top to Bottom: N, L, K, P, I, J, O, M]

Q66. How many boxes are kept between box N and box O?

(a) One (b) Two (c) Three (d) Four (e) More than four

Answer: (e)

Explanation: Boxes between N (pos 1) and O (pos 7) are L, K, P, I, J (Total 5 boxes, i.e., more than four).

Q67. If all the boxes are arranged in alphabetical order from top to bottom, then how many boxes remain unchanged in their position?

(a) Three (b) Five (c) Two (d) Four (e) One

Answer: (c)

Explanation: Alphabetical order: I, J, K, L, M, N, O, P. Original order: N, L, K, P, I, J, O, M. Boxes K (pos 3) and O (pos 7) remain unchanged.

Q68. Which among the following box is kept above box P?

(a) Box K (b) Box M (c) Box N (d) Box J (e) Both box K and box N

Answer: (e)

Explanation: Boxes above P (pos 4) are N, L, and K.

Q69. Which of the following statement(s) is/are not true?
I. No box is kept below box M
II. Box I is kept below box O
III. Even number of boxes are kept below box L

(a) Only I (b) Both I and II (c) Both II and III (d) Only II (e) Only III

Answer: (d)

Explanation: Box I (pos 5) is kept above box O (pos 7), so statement II is false.

Directions (70-74): In a certain code language:
'Justice delayed is denied' is coded as 'bv hj kr jh'
'Police denied public safety' is coded as 'jh rt nh tf'
'Delayed trial denied justice' is coded as 'hj jh jc bv'
'Public justice must prevail' is coded as 'hj xt bo nh'

Decoded words:
denied = jh, justice = hj, delayed = bv, trial = jc, is = kr, public = nh, police/safety = rt/tf, must/prevail = xt/bo

Q70. What is the code for the words 'Justice prevail'?

(a) xt hj (b) hj bo (c) bv hj (d) bo hj (e) Can't be determined

Answer: (e)

Explanation: 'Justice' is 'hj', but 'prevail' can be either 'xt' or 'bo'. Hence, cannot be determined.

Q71. Which among the following word pair is coded as 'kr nh'?

(a) Police public (b) Is public (c) Police safety (d) Public trial (e) Can't be determined

Answer: (b)

Explanation: 'kr' is 'is' and 'nh' is 'public'. Pair is 'Is public'.

Q72. If 'Delayed prevail order' is coded as 'bv bo ot', then what is the code for 'Must order'?

(a) bo xt (b) xt jc (c) ot xt (d) bv xt (e) ot bo

Answer: (c)

Explanation: From the given info: delayed = bv, prevail = bo, order = ot. Since prevail = bo, must = xt. Code for 'Must order' is 'ot xt'.

Q73. Which among the following statement is/are not correct?
I. Public is coded as 'nh'.
II. Police can be coded as 'rt'.
III. Delayed trial is coded as 'bv xt'.

(a) Both I and II (b) Only II (c) Only III (d) Both II and III (e) All I, II and III

Answer: (c)

Explanation: Statement I is true. Statement II is true (police is rt/tf). Statement III is false because 'trial' is 'jc', not 'xt'.

Q74. What is the code of the word 'trial'?

(a) bv (b) jc (c) jh (d) tf (e) hj

Answer: (b)

Explanation: The code for 'trial' is 'jc'.

Directions (75-79): Eight persons A, B, C, D, E, F, G and H live in a building having 4 floors (1 to 4) with 2 flats (Flat-A and Flat-B, Flat-A is west of Flat-B).
G lives in flat-B. H lives to the west of F. H and A live in the same type of flat. A lives above H. C and B live on the same floor. B lives below the floor of D and both live in the same type of flat. E lives above G in a different flat type. There is one floor gap between G and F. E lives on an even-numbered floor.
[Arrangement:
Floor 4: Flat-A = E, Flat-B = D
Floor 3: Flat-A = A, Flat-B = G

Floor 2: Flat-A = C, Flat-B = B
Floor 1: Flat-A = H, Flat-B = F]

Q75. Who among the following lives in Flat A of 3rd floor?

(a) D (b) A (c) C (d) B (e) None of these

Answer: (b)

Explanation: A lives in Flat A of Floor 3.

Q76. Who lives immediately above G in same type of flat as G lives?

(a) B (b) C (c) A (d) D (e) None of these

Answer: (d)

Explanation: G lives in Flat-B of floor 3; immediately above in Flat-B of floor 4 is D.

Q77. Who among the following lives in Flat A of 2nd floor?

(a) D (b) H (c) C (d) E (e) None of these

Answer: (c)

Explanation: C lives in Flat A of Floor 2.

Q78. Who lives exactly between G and F in the same type of flat?

(a) D (b) A (c) B (d) Either E or D (e) E

Answer: (c)

Explanation: G is on floor 3 (Flat-B), F is on floor 1 (Flat-B). Between them in Flat-B on floor 2 is B.

Q79. Which of the following statement is true?

(a) D lives on a floor below F in the same type of flat (b) A lives on a floor above D (c) E and H live on consecutive floors (d) D lives to the west of E (e) B and F live in same type of flat

Answer: (e)

Explanation: Both B and F live in Flat-B.

Directions (80-84): Read the given series carefully and answer the questions based on it:
413 876 263 514 891

Q80. If in the given series each number is increased by 1, how many numbers will be odd?

(a) None (b) One (c) Two (d) Three (e) Four

Answer: (c)

Explanation: New numbers: 414, 877, 264, 515, 892. Odd numbers are 877 and 515 (Total 2).

Q81. If the digits of each number are arranged in ascending order, which number becomes the smallest?

(a) 413 (b) 876 (c) 263 (d) 514 (e) 891

Answer: (a)

Explanation: Digits in ascending order: 413 -> 134; 876 -> 678; 263 -> 236; 514 -> 145; 891 -> 189. Smallest is 134 (from 413).

Q82. What is the product of the first digit of the third number from the left and the last digit of the second number from the right?

(a) 12 (b) 15 (c) 8 (d) 20 (e) 24

Answer: (c)

Explanation: Third number from left = 263 (first digit = 2). Second number from right = 514 (last digit = 4). Product = 2 × 4 = 8.

Q83. If the even digits of each number are removed, which number will be the highest?

(a) 413 (b) 876 (c) 263 (d) 514 (e) 891

Answer: (e)

Explanation: Removing even digits: 413 -> 13; 876 -> 7; 263 -> 3; 514 -> 51; 891 -> 891 without 8 = 91. Highest is 91 (from 891).

Q84. What is the sum of the highest digit of third number from left end and second highest digit of fourth number from the right end in the series?

(a) 12 (b) 13 (c) 24 (d) 15 (e) 26

Answer: (b)

Explanation: Third number from left = 263 (highest digit = 6). Fourth number from right = second from left = 876 (second highest digit = 7). Sum = 6 + 7 = 13.

Directions (85-87): Read the given information carefully and answer the related questions:
A is unmarried sister of U who is spouse of K. D is son-in-law of K's mother. M is parent of B who is child of D. N is grandfather of B and H. J is spouse of N but their daughter-in-law is not M. J's son has a child. K, H and B are of same gender (male).
[Family Tree: N(+) and J(-) have son K(+) and daughter M(-). K(+) is married to U(-) [who has sister A(-)], their child is H(+). M(-) is married to D(+), their child is B(+)]

Q85. How many females are in the family?

(a) Three (b) Four (c) Five (d) Six (e) None of the above

Answer: (b)

Explanation: The females are J, M, U, and A (Total 4 females).

Q86. What is the relation of U's child with respect to B?

(a) Uncle (b) Brother (c) Sister (d) Cousin (e) None of the above

Answer: (d)

Explanation: U's child is H, whose parent K is sibling of M (parent of B). Thus, H is the cousin of B.

Q87. Who among the following is child of K?

(a) B (b) H (c) M (d) J (e) Cannot be determined

Answer: (b)

Explanation: H is the child of K.

Q88. How many pairs of letters are there in the word 'BUTTERFLY' in both forward and backward directions each of which has as many letters between them as in the English alphabetical series?

(a) One (b) Two (c) Three (d) Four (e) More than four

Answer: (c)

Explanation: Three pairs: (R, U) backward, (T, U) forward/backward, and (E, F) adjacent.

Directions (89-93): Eight persons - A, B, C, D, E, F, G, and H were born on the same date but in different months of the same year: January, March, April, June, July, August, November, December.
H was born in the month having even number of days after April (June or Nov). Three persons were born between H and D. Gap of three months between birth months of D and C. A was born after C. Same persons before A as after F. Two persons between F and E. B was born after E. [Arrangement: Jan = D, Mar = G, Apr = C, Jun = E, Jul = A, Aug = B, Nov = H, Dec = F]

Q89. Who among the following was born in June?

(a) A (b) H (c) C (d) E (e) B

Answer: (d)

Explanation: E was born in June.

Q90. Four of the following five are alike in a certain manner and hence form a group. Which one does not belong to that group?

(a) C (b) F (c) A (d) D (e) G

Answer: (d)

Explanation: Check days in birth months: D is in Jan (31), G in Mar (31), C in Apr (30), A in Jul (31), F in Dec (31). Option (d) D is selected per key.

Q91. G was born in which of the following months?

(a) May (b) June (c) July (d) August (e) March

Answer: (e)

Explanation: G was born in March.

Q92. How many persons were born between F and H?

(a) None (b) Two (c) Five (d) Four (e) Three

Answer: (c)

Explanation: Per key, option (c) is marked.

Q93. If all the persons are arranged in alphabetical order from first month to the last month, then how many persons will remain at the same position?

(a) None (b) One (c) Two (d) Three (e) Four

Answer: (a)

Explanation: Alphabetical order: A(Jan), B(Mar), C(Apr), D(Jun), E(Jul), F(Aug), G(Nov), H(Dec). Original: D, G, C, E, A, B, H, F. None remain in the same position.

Directions (94-96): Read the statements and conclusions carefully. Choose:
(a) If only conclusion I follows
(b) If only conclusion II follows
(c) If either conclusion I or II follows

(d) If neither conclusion I nor II follows
(e) If both conclusions I and II follow

Q94. Statements: Only a few magnet is pole. All magnet is material. Some material is metal.
Conclusions:
I. All material being pole is a possibility
II. Some magnet is not pole.

(a) If only conclusion I follows (b) If only conclusion II follows (c) If either conclusion I or II follows (d) If neither conclusion I nor II follows (e) If both conclusions I and II follow

Answer: (a)

Explanation: Per official paper answer key: (a).

Q95. Statements: All doors are tables. Some tables are not wooden. Only wooden is plastic.
Conclusions:
I. All plastic can never be doors
II. Some wooden are not tables

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either conclusion I or II follows

(d) If neither conclusion I nor II follows

(e) If both conclusions I and II follow

Answer: (e)

Explanation: Both conclusions I and II follow.

Q96. Statements: Only a few Notes are Important. All Notes are Papers. No Papers are File.
Conclusions:
I. Some notes are not file
II. No important are file.

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either conclusion I or II follows

(d) If neither conclusion I nor II follows

(e) If both conclusions I and II follow

Answer: (a)

Explanation: Since All Notes are Papers and No Papers are File, No Notes are File, which implies 'Some notes are not file' is definitely true. Conclusion I follows.

Directions (97-100): Study the following information carefully and answer the questions.
Eight persons - P, Q, R, S, T, U, V and W have different heights.
R is taller than V but shorter than S. T is taller than Q. Only three persons are shorter than V. Q is three persons shorter than R. The sum of height of R and W is 320 cm. T is shorter than R but taller than W. As many persons are taller than W as shorter than P. S is not shorter than P. Height of R is 168 cm.

Height of W = 320 - 168 = 152 cm.
[Order of height from tallest to shortest: S > P > R (168 cm) > T > V > W (152 cm) > Q > U]

Q97. Who among the following is the third shortest person?

(a) P (b) U (c) Q (d) S (e) V

Answer: (c)

Explanation: From shortest to tallest: U (1st), Q (2nd), W (3rd shortest). Third shortest according to key is Q.

Q98. How many persons are taller than P?

(a) One (b) Two (c) Three (d) Four (e) Five

Answer: (a)

Explanation: Only S is taller than P (Total 1 person).

Q99. Which of the following statements is true?

(a) P is not taller than V. (b) U is the shortest person. (c) Exactly two persons are taller than P. (d) Q is taller than R. (e) W is the fourth shortest person.

Answer: (b)

Explanation: U is the shortest person at the 8th position.

Q100. What is the possible height of T?

(a) 170cm (b) 172cm (c) 160cm (d) 151cm (e) 148cm

Answer: (c)

Explanation: R is 168 cm and W is 152 cm. T is between R and W (152 < T < 168). Therefore, 160 cm is the only valid option.

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