

BSCB Assistant Pre Memory Based Paper 29-Nov-2022-1st shift

Directions (1-10) : Read the following passage and answer the given questions. Some words are highlighted to help you answer the questions.

For 500 years, outsiders have misunderstood the world's largest rainforest, the Amazon. The story of its name began on June 24, 1542, when Francisco de Orellana prayed for an escape from the **overwhelming** green world. His **weary** expedition, with fewer than 50 starving men, had spent seven months navigating tributaries from the Andes. Accompanying Orellana was Gaspar de Carvajal, a Dominican **friar** who documented their journey. His records describe encounters with advanced cultures living in densely populated villages along the riverbanks. Some greeted them with generosity, offering food like manioc, yams, and turtles. However, 600 miles from the river's end, the crew was attacked by an army led by **fierce** women warriors. Carvajal compared them to the Amazons of Greek mythology, giving the region its enduring name: the Amazon.

For centuries, myths about the Amazon persisted, including the belief that it was a **pristine** jungle untouched by human civilization. The region, home to over 344 billion trees, hosts 40,000 species of plants and an incredible diversity of fish, birds, and butterflies. However, the idea that the rainforest was untouched by humans has been debunked. Evidence shows human presence in the Amazon dates back at least 13,000 years. By 1492, the region housed as many as 10 million people. Colonization, diseases like smallpox, and slave raids wiped out up to 90% of the Indigenous population, leading many survivors to retreat into remote areas. When European naturalists arrived later, they assumed the overgrown areas were always wild and untouched.

In the 1980s, new research began to challenge the outdated view of the Amazon. Anthropologists discovered that Indigenous groups had been actively shaping their environment. The Kayapó created "forest islands" by planting useful trees and crops, and the Ka'apor used controlled fires to encourage palm groves. These findings revealed sophisticated land management techniques. Researchers also found that half of the Amazon's trees come from only 299 species, many useful to humans, such as açai, rubber, Brazil nuts, and cacao. These trees are often found near pre-Columbian archaeological sites, further proving that humans have long shaped the Amazon's landscape.

Q1. What significant discovery did anthropologists make in the 1980s regarding Indigenous land management in the Amazon?

- (a) The rainforest's biodiversity was primarily due to natural factors, not human intervention
- (b) Indigenous groups shaped the environment by creating forest islands and using controlled fires.
- (c) The linguistic diversity of the Amazon was due to waves of migration.
- (d) The region's man-made mounds were actually natural formations.
- (e) The rubber boom led to the disappearance of large Indigenous societies.

Q2. Which of the following events contributed to the naming of the Amazon rainforest?

- (a) Francisco de Orellana's crew discovering advanced cultures along the riverbanks
- (b) Gaspar de Carvajal documenting the journey and the cultures they encountered
- (c) Orellana encountering fierce women warriors, compared by Carvajal to the Amazons of mythology.
- (d) Both (b) and (c)
- (e) Both (a) and (c)

Q3. Which statement accurately reflects the biodiversity of the Amazon region?

- (a) The Amazon is home to over 344 billion trees and 2,400 species of seed plants, fish, and butterflies
- (b) The Amazon's ecosystem includes more than 1,300 species of birds and over 344 million trees
- (c) The region has over 344 billion trees and diverse species, including 40,000 plants, 2,400 fish, and 1,500 butterflies.
- (d) The Amazon hosts 40,000 tree species and 1,300 bird species, but less than 1,000 species of fish
- (e) The Amazon has 344 billion trees but a limited number of bird, fish, and butterfly species

Q4. Which of the following events contributed to the significant decline in the Indigenous population of the Amazon?

- (a) The introduction of deadly diseases such as smallpox through European colonization
- (b) The decision by Ancient Amazonians to stop creating rock art and stone tools
- (c) The forced retreat of surviving Indigenous peoples into remote jungle areas
- (d) Both (a) and (c)
- (e) Both (b) and (c)

Q5. Which of the following findings supports the evidence of human influence on the Amazon's landscape?

- (a) The identification of pre-Columbian sites with limited plant diversity
- (b) Half of the Amazon's trees come from just 299 species, many valuable to humans.
- (c) The abundance of species like açai, rubber, and cacao near archaeological sites
- (d) Both (a) and (c)
- (e) Both (b) and (c)

Q6. Which of the following words is CLOSEST in the meaning to "weary"?

- (a) rejuvenated
- (b) rapt
- (c) engaged
- (d) tiring
- (e) gripping

Q7. Which of the following words is CLOSEST in the meaning to "friar"?

- (a) layman
- (b) historian
- (c) politician
- (d) secular
- (e) monk

Q8. Which of the following words is CLOSEST in the meaning to "pristine"?

- (a) sullied
- (b) grubby
- (c) jumbled
- (d) odious
- (e) pure

Q9. Which of the following is OPPOSITE in the meaning to "fierce" as highlighted in passage?

- (a) vicious
- (b) savage
- (c) brute
- (d) exquisite
- (e) gentle



Q10. Which of the following is OPPOSITE in the meaning to “overwhelming” as highlighted in passage?

- (a) inflated
- (b) crushing
- (c) infinitesimal
- (d) irresistible
- (e) preposterous

Directions (11-15) : In the given question, four words are highlighted in bold, one of which might be incorrect or wrongly spelt. Choose the word which is incorrect as your answer choice.

Q11. The new fashion designer **immitated** **vintage** styles to create a unique **collection** that pays **homage** to past trends while adding a modern twist.

- (a) collection
- (b) homage
- (c) vintage
- (d) immitated
- (e) All are correct

Q12. The horse **trainer** carefully **adjusted** the **bridal** to **ensure** a comfortable fit before beginning the training session.

- (a) trainer
- (b) bridal
- (c) adjusted
- (d) ensure
- (e) All are correct

Q13. The building, **formely** a **lively** textile factory, has been **transformed** into a modern art gallery **showcasing** local talent.

- (a) transformed
- (b) lively
- (c) formely
- (d) showcasing
- (e) All are correct

Q14. The technology enthusiast was **incredulus** when the **prototype** device performed beyond its **anticipated** capabilities, surpassing all **preliminary** tests.

- (a) incredulus
- (b) prototype
- (c) anticipated
- (d) preliminary
- (e) All are correct

Q15. The **boutique** shop offered a range of **exquisite** **stationary**, including **personalized** notepads and handcrafted envelopes, perfect for special occasions.

- (a) boutique
- (b) exquisite
- (c) stationary
- (d) personalized
- (e) All are correct

Directions (16-20) : Given below are sentences consisting a blank in each. Identify the most suitable alternative among the five given options that fits into the blank to make the sentence logical and meaningful.

Q16. The astronomer used a powerful telescope to _____ distant stars, revealing details invisible to the naked eye.

- (a) Magnify
- (b) Encounter
- (c) Pitfall
- (d) Dissent
- (e) Curtailed

Q17. The discovery of ancient artifacts in the desert _____ archaeologists to launch a full-scale excavation of the site.

- (a) connected
- (b) prompted
- (c) broaden
- (d) extending
- (e) advocated

Q18. The teacher _____ her students to explore diverse genres of literature to broaden their understanding of different cultures.

- (a) Exploring
- (b) Relocating
- (c) Located
- (d) Shut
- (e) Urged

Q19. The grandmother _____ traditional values and respect for elders in her grandchildren through stories passed down over generations.

- (a) Inaugurated
- (b) Inaugurates
- (c) Implied
- (d) Implies
- (e) Inculcated

Q20. The musician's _____ of a rare vintage guitar added a unique sound to his latest album recordings.

- (a) Acquisition
- (b) Protection
- (c) Ceremonial
- (d) Marauding
- (e) Subversion

Directions (21-25) : Given sentences are not in their exact position. Rearrange them to make a coherent paragraph and then answer the questions given below.

- (A) This initiative is centered on making sure that the benefits of India's evolving mineral ecosystem directly reach local communities, particularly those displaced or affected by mining operations.
- (B) India's mineral ecosystem is undergoing a transformation, with efforts being made to include a more human-centric approach in the sector.
- (C) This approach seeks to foster a balance between promoting economic development and upholding social responsibility, while ensuring environmental sustainability.
- (D) In addition, programs focused on skill development, healthcare, and education are being implemented to support these communities, aiming to enhance their overall quality of life.
- (E) By embedding community welfare into its mining policies, the government envisions a more inclusive and sustainable framework for managing mineral resources.

Q21. Which of the following should be the FIRST sentence after the rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Q22. Which of the following should be the FOURTH sentence after the rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Q23. Which of the following should be the SECOND sentence after the rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Q24. Which of the following should be the THIRD sentence after the rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Q25. Which of the following should be the LAST sentence after the rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Directions (26-30) : Given below are four sentences, out of which one sentence is grammatically correct. Choose the option which points out the grammatically correct sentence. If all sentences are incorrect, choose 'All are incorrect' as your answer.

Q26.

- (a) Filmmakers and content creators of popular shows is intensifying efforts to protect their IPR.
- (b) A joint statement highlighted progress in advancing clean energy innovation and accelerating transitions.
- (c) India leads in jute goods production, contribute around 70% of global output.
- (d) The X company is responsible in developing jute cultivation, manufacturing, and marketing.
- (e) All are incorrect

Q27.

- (a) Advance in 3D culture models (NAMs) offer promising tools for more precise treatments.
- (b) Sustainable agriculture are key to food security, climate action, and resource conservation.
- (c) World Ozone Day marks the implemented of the Montreal Protocol and its Kigali Amendment.
- (d) RBI highlighted challenges in financing sustainable agriculture at a recent international conference.
- (e) All are incorrect

Q28.

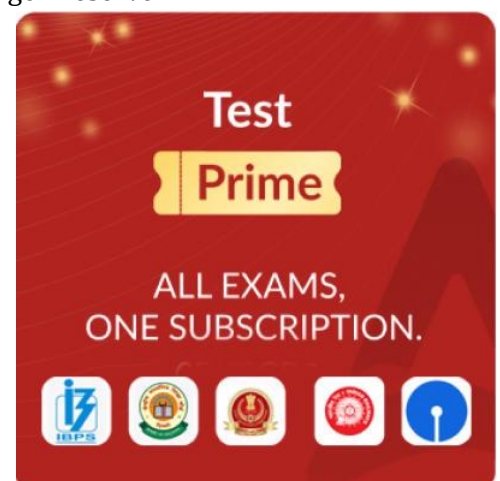
- (a) Ozone holes are mainly found over Antarctica, accelerates by stratospheric clouds that facilitate these reactions.
- (b) The Vibrant Villages Programme focusing in developing border villages, reversing outmigration, and preserving local culture.
- (c) Intelligence gathering enhances awareness of security threats, suspicious activities, and smuggling attempts.
- (d) Subtle gender discrimination appears through supportive behaviors that reinforce traditional roles and inequality.
- (e) All are incorrect

Q29.

- (a) Renowned poet and lyricist Shyamlal Gupta 'Parshad' is recently commemorated on his birth anniversary.
- (b) Rising demand for phosphoric acid in EV batteries threatens India's agriculture, reliant on import fertilizers.
- (c) Work-life balance assumptions often impact women more instead to caregiving expectations.
- (d) Left wing extremism have impeded forestry operations in Palamau Tiger Reserve.
- (e) All are incorrect

Q30.

- (a) CPCB has implements strict guidelines to penalize violations of the Battery Waste Management Rules, 2022.
- (b) DGGI have proposed reciprocal arrangements with foreign governments to prevent tax evasion in OIDAR services.
- (c) Earth's magnetosphere trap radiation, shielding it from solar storms and winds.
- (d) The Polaris Dawn Mission successfully completed the world's first private spacewalk.
- (e) All are incorrect



Test Prime

ALL EXAMS,
ONE SUBSCRIPTION.

Logos of various educational institutions and exams are shown at the bottom.

Directions (31-35) : Study the following information carefully and answer the questions given below:

Eight persons A, B, C, D, E, F, G and H are living in an eight-storey building but not necessarily in the same order. The lowermost floor is numbered as 1 and the floor immediately above it is numbered as 2 and so on till the topmost floor is numbered as 8.

Two persons live between D and C. Either D or C lives on the topmost floor. Three persons live between C and H. E lives three floors above H. A is an immediate neighbour of C. More than two persons live between A and F. B lives below G.

Q31. Who lives on the 3rd Floor?

- (a) G
- (b) E
- (c) B
- (d) A
- (e) None of the above

Q32. How many persons live between the one who lives immediately above A and H?

- (a) Two
- (b) Three
- (c) One
- (d) More than three
- (e) None of the above

Q33. If G is related to C and E is related to F, then in same way B is related to ____.

- (a) A
- (b) D
- (c) H
- (d) E
- (e) None of the above

Q34. Four of the following five belong to a group in a certain way, which among the following does not belong to that group?

- (a) G
- (b) D
- (c) H
- (d) C
- (e) B

Q35. Which among the following statement(s) is/are true?

- I.** No one lives below H.
 - II.** More than three persons live between G and B.
 - III.** One person lives between F and E.
- (a) Both I and II
 - (b) Only III
 - (c) Both I and III
 - (d) Only II
 - (e) All I, II and III

Q36. How many such pairs of letters are there in the given word "TOURISM", each of which has as many letters between them as they have in the English alphabetical series (In forward and backward direction)?

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

Directions (37-39) : In each of the questions below some statements are given followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

- (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

Q37. Statements:

Only Birds are Fly.
Some Animals are Birds.
All Animals are Mammals

Conclusions:

- I. Some Fly can be Mammals
- II. Some Animals are not Birds

Q38. Statements:

Some Books are Mysterious.
All Mysterious is Intriguing.
Only a few Intriguing are Interest

Conclusions:

- I. All Mysterious can be Interest
- II. No Interest is Books is a possibility

Q39. Statements:

Some Cars are Red
No Red is Cheap
Only a few Cheap is Expensive

Conclusions:

- I. Some Cars is Expensive
- II. No Red is Expensive

Directions (40-44) : Study the following information carefully and answer the questions given below.

Eight persons viz. E, F, G, H, I, J, K and L are sitting around a circular table such that all of them are facing towards the centre, but not necessarily in the same order.

L sits three persons away from F and sits to the immediate right of E. I sits third to the left of E. Only two persons sit between I and H who sits to the immediate left of J. G sits to the immediate right of K.

Q40. What is the position of F with respect to J?

- (a) Third to the right
- (b) Third to the left
- (c) Immediate right
- (d) Immediate left
- (e) None of these

Q41. If I is related to H and L is related to K in a certain way, then who among the following person is related to J?

- (a) I
- (b) K
- (c) G
- (d) L
- (e) F

Q42. Four of the following five pairs are alike in a certain way and hence form a group. Find the one pair that doesn't belong to that group.

- (a) EK
- (b) JL
- (c) HE
- (d) GF
- (e) IJ

Q43. Who among the following person sits to the immediate left of I?

- (a) F
- (b) K
- (c) G
- (d) J
- (e) None of these

Q44. Who among the following person sits second to the right of E?

- (a) G
- (b) F
- (c) H
- (d) J
- (e) K

Directions (45-47) : Study the following information carefully and answer the questions given below.

There are seven members (A, K, T, U, S, X and Y) in a family of three generations. There is no single parent in the family. U is the paternal grandmother of Y. S is the daughter-in-law of T. K is the son of T but not the husband of S. T and X are siblings. U and X are sisters-in-law of each other. Number of females is one less than the number of males.

Q45. How is K related to X?

- (a) Uncle
- (b) Nephew
- (c) Son
- (d) Brother
- (e) None of these

Q46. Who among the following person is the daughter-in-law of U?

- (a) T
- (b) A
- (c) S
- (d) Y
- (e) None of these

Q47. How many male members are there in the family?

- (a) 1
- (b) 2
- (c) 3
- (d) 4
- (e) None of these

Q48. If all the digits in the given number "4861952783" are arranged in descending order from left to right. Then find the sum of the digits which are fourth from the left end, sixth from the right end and third from the right end?

- (a) 19
- (b) 16
- (c) 14
- (d) 10
- (e) 22

Directions (49-51) : Study the following information carefully and answer the questions given below:

Six persons are arranged according to their weights in descending order from left to right. L is 2nd heaviest person among them. There are two persons between L and N. K is just heavier than O but lighter than J. The weight of the 2nd lightest person is 42Kg. One of the persons is M. Weight of the person who is just lighter than L is 64Kg.

Q49. How many persons are lighter than K?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) None of the above

Q50. What may be the possible weight of O?

- (a) 55 Kg
- (b) 30 Kg
- (c) 76 Kg
- (d) 68 Kg
- (e) None of the above

Q51. How many persons have weight, more than M but less than J?

- (a) Three
- (b) Two
- (c) More than three
- (d) One
- (e) None of the above

**Directions (52-56) : Study the following information carefully and answer the questions given below:
In a certain code language;**

“Global economic growth nation” is coded as “mj rs yw pb”

“World economic outlook update” is coded as “zn kp bd rs”

“Challenges risks nation growth” is coded as “cx yw dw pb”

“Update challenges slowed down” is coded as “ir bd cx jq”

Q52. Which among the following word will be coded as “zn”?

- (a) World
- (b) Update
- (c) Outlook
- (d) Either World or Outlook
- (e) Either Update or Outlook

Q53. What will be code for the word “Slowed”?

- (a) jq
- (b) bd
- (c) cx
- (d) ir
- (e) Can't be determined

Q54. If “with nation” is coded as “uv pb” then what will be code for “growth with”?

- (a) yw uv
- (b) uv dw
- (c) yw cx
- (d) pb yw
- (e) Can't be determined

Q55. Which among the following combination is definitely true?

- (a) Global- rs
- (b) Down-dw
- (c) Update-cx
- (d) Economic-rs
- (e) None is true

Q56. What is the code for the word “Challenges”?

- (a) bd
- (b) cx
- (c) jq
- (d) ir
- (e) dw

Directions (57-61) : Study the following information carefully and answer the questions given below.

Eight persons – P, Q, R, S, T, U, V and W join computer classes in four different months- January, April, August and November on two different dates either 13 or 18 of the same year but not necessarily in the same order.

Three persons join the classes between Q and T who joins class after Q. T joins the class in the month having even number of days. R attends class two persons before T. P attends class just after S. V attends class before Q. U attends class three persons after P.

Q57. How many persons attend the classes between S and W?

- (a) Four
- (b) Five
- (c) Three
- (d) Two
- (e) More than five

Q58. Who among the following person joins in November?

- (a) T
- (b) R
- (c) W
- (d) Both T and W
- (e) None of these

Q59. Which among the following statement(s) is/are true?

- I. S joins in the month having even number of days
- II. More than three persons join after Q
- III. V and Q join in the same month

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

Q60. Four of the following five are alike in a certain way and thus form a group. Who among the following does not belong to the group?

- (a) P
- (b) T
- (c) V
- (d) Q
- (e) R

Q61. If S is related to T, in the similar way P is related W, then who among the following is related to R?

- (a) U
- (b) T
- (c) None of these
- (d) Q
- (e) V



Q62. If we form a four-letter meaningful word by using the first, fifth, eighth and ninth letter from the left end of the word "PROGRESSIVE", then which of the following will be the first letter of the meaningful word thus formed? If more than one meaningful word is formed mark Y as your answer. If no meaningful word is formed, mark X as your answer.

- (a) X
- (b) Y
- (c) P
- (d) R
- (e) S

Directions (63-65) : Study the following information carefully and answer the questions given below:

Point P is in 6m north of point R. Point U is in 10m west of point R and 10m north of point W. Point T is 28m north of point Q and 8m east of point P. Point V is in 12m north of point S which is 14m west of point Q.

Q63. How far and in which direction is Point T from Point R?

- (a) 10m, North-east
- (b) 16m, South-west
- (c) 4m, North-west
- (d) 14m, North-east
- (e) None of these

Q64. In which direction is point U with respect to point Q?

- (a) North-east
- (b) North-west
- (c) South-east
- (d) South-west
- (e) None of these

Q65. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

- (a) W-Q
- (b) U-V
- (c) V-W
- (d) P-U
- (e) T-R

Q66. The ratio of the present ages of A to B is 8:3 respectively. The present age of C is the average of the ages of A and B after two years. If, after four years, the ratio of the ages of B to A is 1:2, then find the present age of C (in years) .

- (a) 14
- (b) 11
- (c) 13
- (d) 10
- (e) 12

Q67. The difference between the radius and circumference of the circle is 74 cm, then find the area of the circle (in cm^2) .

- (a) 376
- (b) 216
- (c) 840
- (d) 524
- (e) 616

Q68. A invested Rs.5000 in a scheme that offers simple interest at R% p.a. for 3.5 years. He received total interest of Rs.2100. If he invests the same amount in another scheme that offers (R-2) % compound interest for two years, then find the interest received by A after two years (in Rs) .

- (a) 1050
- (b) 1200
- (c) 950
- (d) 840
- (e) 1120

Q69. A and B started a business with investments of Rs.4000 and Rs. $X+3500$ for eight months and ten months, respectively. If the profit received by B is Rs.750 out of a total profit of Rs.1150, then find 'X'.

- (a) 2200
- (b) 2500
- (c) 2400
- (d) 2300
- (e) 2000

Q70. Pipe P and pipe Q alone can fill a tank in 12 hours and 18 hours respectively. If the ratio of efficiency of pipe R to pipes P and Q together is 3:10, then in how many days taken by pipe R to fill the whole tank.

- (a) 2.5
- (b) 1.5
- (c) 2
- (d) 1
- (e) 0.5

Direction (71-75) : What will come in the place of question (?) mark in following the question:

Q71. $\frac{4}{5}$ of $80 - ? \times 2 = 14$

- (a) 16
- (b) 28
- (c) 25
- (d) 20
- (e) 22

Q72. $\frac{360}{12} \times \frac{50}{75} = ?$

- (a) 10
- (b) 15
- (c) 20
- (d) 5
- (e) 0

Q73. $25\% \text{ of } 440 + 80\% \text{ of } 60 = ? + 10$

- (a) 148
- (b) 142
- (c) 136
- (d) 138
- (e) 152

Q74. $121 - 12 = ? + 57 - 110$

- (a) 128
- (b) 162
- (c) 134
- (d) 114
- (e) 125

Q75. $19^2 + 129 = ? \% \text{ of } 40$

- (a) 1205
- (b) 1015
- (c) 1115
- (d) 1335
- (e) 1225

Q76. $\sqrt{40\% \text{ of } 90} + 14 = ? \div 5$

- (a) 50
- (b) 75
- (c) 125
- (d) 100
- (e) 25

Q77. $1\frac{2}{9} - 2\frac{5}{18} = ? - 3\frac{7}{9}$

- (a) $\frac{49}{8}$
- (b) $\frac{47}{9}$
- (c) $\frac{49}{18}$
- (d) $\frac{47}{8}$
- (e) $\frac{49}{11}$

Q78. $625 \times 25 \div 5^3 = 5^?$

- (a) 4
- (b) 5
- (c) 1
- (d) 2
- (e) 3

Q79. $133\frac{1}{3}\%$ of 270 + 18% of 150 = ? $\div 3$

- (a) 1169
- (b) 1162
- (c) 1164
- (d) 1167
- (e) 1161

Q80. $(18 \times 12) + 3^2 = ?^2$

- (a) 12
- (b) 15
- (c) 18
- (d) 9
- (e) 6

Q81. $(45\% \text{ of } 80\% \text{ of } 5000) \div (4 \times 9) = \sqrt{?}$

- (a) 2500
- (b) 3600
- (c) 4900
- (d) 1600
- (e) 900

Q82. $\frac{9}{2} + \frac{18}{4} - \frac{15}{2} = \frac{?}{2}$

- (a) 1
- (b) 4
- (c) 6
- (d) 5
- (e) 3

Q83. $\sqrt{\sqrt{19 \times 4 + 5} + 7} = ?$

- (a) 2
- (b) 4
- (c) 6
- (d) 10
- (e) 8

Q84. 87.5% of 560 $\times \frac{2}{7} = ?$

- (a) 110
- (b) 120
- (c) 140
- (d) 130
- (e) 100

Q85. $\frac{\sqrt[3]{4096}+24}{10}=?$

- (a) 4
- (b) 9
- (c) 1
- (d) 7
- (e) 5

Q86. The shopkeeper marked an article 60% above its cost price. If the shopkeeper allows two successive discounts of 20% and 25% and he gets a loss of Rs.24, then find the marked price of the article (in Rs) .

- (a) 1200
- (b) 840
- (c) 960
- (d) 1045
- (e) 1130

Q87. A vessel contains 60 liters of a mixture of wine and water in the ratio of 3:2 respectively. If X liters of water are added to the mixture, then the ratio of wine to water becomes 9:10. Find 'X'.

- (a) 5
- (b) 15
- (c) 6
- (d) 16
- (e) 10

Q88. 20 men can complete a work in 15 days, while 25 women can complete the same work in 10 days. 'X' men started work, and after 4 days they left the work. If the remaining work is completed by 'X+5' women in two days, then find X.

- (a) 35
- (b) 50
- (c) 55
- (d) 40
- (e) 45

Q89. The ratio of A to B is 7:4. If A is increased by 3 and B is decreased by 50%, then the ratio of A to B becomes 4:1. Find 25% of A. (A and B are both positive integers)

- (a) 4.50
- (b) 5.25
- (c) 3.75
- (d) 2.25
- (e) 1.50

Q90. The length of train B is 50 meters longer than that of train A. The speed of train A is 10 m/sec, and the speed of train B is 1.5 times that of train A. If train A and train B cross each other while running in opposite directions in 22 seconds, then find the length of train B (in meters) .

- (a) 250
- (b) 150
- (c) 200
- (d) 350
- (e) 300

Direction (91–95) : What will come in the place of question (?) mark in following number series:

Q91. ?, 194, 206, 215, 220, 220

- (a) 168
- (b) 129
- (c) 97
- (d) 180
- (e) 201

Q92. 1040, 697, 481, 356, 292, ?

- (a) 195
- (b) 412
- (c) 330
- (d) 540
- (e) 265

Q93. 21, ?, 78, 135, 211, 306

- (a) 40
- (b) 20
- (c) 10.5
- (d) 42
- (e) 64

Q94. 45, 90, ?, 1080, 5400, 32400

- (a) 360
- (b) 540
- (c) 180
- (d) 135
- (e) 270

Q95. 512, 81, 1000, ?, 1728, 169

- (a) 196
- (b) 121
- (c) 225
- (d) 100
- (e) 2197

Directions (96-100) : Table given below shows total books (English and History) sold by four (A, B, C and D) different shops. Table also shows percentage of History books sold by these shops. Read the following table carefully and answer the questions given below.

Shops	Total books (English and History) sold	Percentage of History books sold
A	80	40%
B	50	60%
C	120	75%
D	75	20%

Q96. Total English books sold by D is what percentage of total History books sold by B?

- (a) 100%
- (b) 200%
- (c) 50%
- (d) 150%
- (e) 75%

Q97. If price of each History book sold by A is Rs. 20, then find the total revenue generated by A by selling all the History books (in Rs) .

- (a) 640
- (b) 820
- (c) 550
- (d) 480
- (e) 670

Q98. Total English books sold by X is 25% less than the total English books sold by A. If ratio of total History books sold by X to that of B is 4:5, then find the total books (English and History) sold by X is how much more or less than that by C.

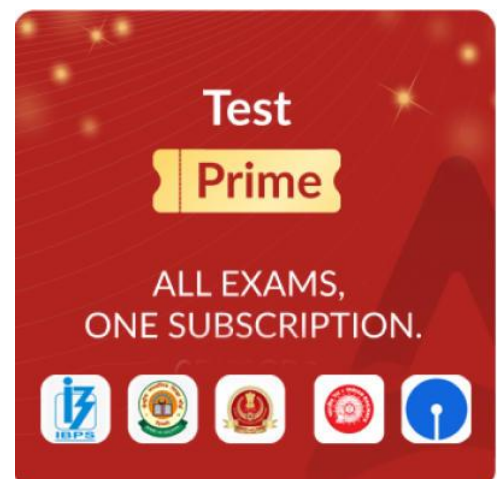
- (a) 50
- (b) 25
- (c) 20
- (d) 45
- (e) 60

Q99. Find the ratio of total History books sold by C to total English books sold by B.

- (a) 1:5
- (b) 3:8
- (c) 4:7
- (d) 9:2
- (e) 11:2

Q100. If total Math's books sold by D is thrice of the total English books sold by C, then find the sum of total history books sold by A and total Math's books sold by D?

- (a) 129
- (b) 108
- (c) 122
- (d) 117
- (e) 125



Test
Prime

ALL EXAMS,
ONE SUBSCRIPTION.

Logos of various educational institutions and exams including IIT, NEET, JEE, and others.

Solutions

S1. Ans.(c)

Sol. The correct answer is **(b) Indigenous groups shaped the environment by creating forest islands and using controlled fires.**

This answer can be confirmed by referring to the third paragraph of the passage. It states, **"In the 1980s, new research began to challenge the outdated view of the Amazon. Anthropologists discovered that Indigenous groups had been actively shaping their environment. The Kayapó created 'forest islands' by planting useful trees and crops, and the Ka'apor used controlled fires to encourage palm groves."**

Here's how the reasoning follows:

- **Discovery in the 1980s:** The passage specifically mentions that research during the 1980s revealed **anthropologists discovered Indigenous groups shaping their environment.** This directly points to their active role in managing the landscape.
- **Forest islands and controlled fires:** The actions of the Kayapó (creating forest islands) and the Ka'apor (using controlled fires) were key techniques used by these Indigenous groups to cultivate and manage the Amazon rainforest, contradicting the earlier belief that the Amazon was a pristine, untouched wilderness.

The other options are incorrect because they do not match the discoveries mentioned in the passage:

- **(a)** is incorrect as the passage does not state that biodiversity was due only to natural factors.
- **(c)** and **(d)** are unrelated to the land management discoveries.
- **(e)** is about the rubber boom and doesn't relate to the 1980s findings.

Hence, the discovery about Indigenous land management practices makes option **(b)** the most accurate and relevant answer.

S2. Ans.(d)

Sol. The correct answer is **(d) Both (b) and (c)** because both the documentation by Gaspar de Carvajal and Orellana's encounter with fierce women warriors played crucial roles in the naming of the Amazon rainforest. Let's break it down in more detail using references from the passage.

1. **Orellana's Encounter with the Women Warriors (Option (c)) :**

- The passage states: **"600 miles from the river's end, the crew was attacked by an army led by fierce women warriors. Carvajal compared them to the Amazons of Greek mythology, giving the region its enduring name: the Amazon."**
- This encounter was central to the rainforest being named "Amazon." The comparison to the Amazons of Greek mythology by Carvajal was what led to the lasting name, making this encounter a pivotal event in history.

2. **Carvajal's Documentation of the Journey (Option (b)) :**

- The passage mentions: **"Accompanying Orellana was Gaspar de Carvajal, a Dominican friar who documented their journey."**
- Without Carvajal's records, this important event may have gone unnoticed. It was Carvajal's documentation and his comparison of the fierce women to the Greek mythological Amazons that solidified the name. His role as the chronicler of the expedition was essential in providing the story that ultimately gave the rainforest its name.

Other option:

- **(a) Francisco de Orellana's crew discovering advanced cultures along the riverbanks:** While this is mentioned in the passage ("His records describe encounters with advanced cultures living in densely populated villages along the riverbanks"), it does not play a direct role in the naming of the Amazon. It is simply part of the larger journey.

S3. Ans.(c)

Sol. The correct answer is **(c) The region has over 344 billion trees and diverse species, including 40,000 plants, 2,400 fish, and 1,500 butterflies.**

Key Information from the Passage:

- The passage mentions: **"The region, home to over 344 billion trees, hosts 40,000 species of plants and an incredible diversity of fish, birds, and butterflies."**
- It also specifies, **"an incredible diversity of fish, birds, and butterflies," which includes a more detailed listing: "2,400 fish, and 1,500 butterflies."**

Analysis:

- **(a)** is incorrect because it underrepresents the number of plant species. The passage states 40,000 plant species, not 2,400.
- **(b)** is incorrect because it underestimates the number of trees and doesn't include butterflies accurately.
- **(c)** is correct because it accurately reflects the figures from the passage: 344 billion trees, 40,000 plant species, 2,400 fish species, and 1,500 butterfly species.
- **(d)** is incorrect as it overstates the number of tree species (the passage mentions "344 billion trees" but not "40,000 tree species") and understates the number of fish species (which is 2,400).
- **(e)** is incorrect because it inaccurately claims that the Amazon has a limited number of bird, fish, and butterfly species, whereas the passage highlights the incredible diversity of these species.

Thus, **(c)** is the most accurate reflection of the Amazon's biodiversity based on the passage.

S4. Ans.(d)

Sol. The correct answer is **(d) Both (a) and (c)**.

Here's the reasoning based on references from the passage:

1. **European colonization and the introduction of diseases (Option (a)) :**
 - The passage clearly states: **"Colonization, diseases like smallpox, and slave raids wiped out up to 90% of the Indigenous population."** This highlights how the introduction of deadly diseases, particularly smallpox, due to European colonization, was a significant factor in the decline of the Indigenous population.
2. **Forced retreat of survivors into remote areas (Option (c)) :**
 - The passage also mentions: **"Many survivors retreated into remote areas."** This indicates that the forced retreat of surviving Indigenous people into isolated parts of the jungle contributed to their decline, as they had to abandon their previous way of life and cultural practices.

Let's analyze the other options:

- **(b) The decision by Ancient Amazonians to stop creating rock art and stone tools:** This is not mentioned in the passage and does not relate to the decline in population.
- **(e)** is incorrect because **(b)** is irrelevant to the decline of the Indigenous population.

Therefore, **(d) Both (a) and (c)** is the correct answer, as both European colonization, the spread of deadly diseases like smallpox, and the forced retreat into remote areas contributed significantly to the decline of the Indigenous population of the Amazon.

S5. Ans.(e)

Sol. The correct answer is **(e) Both (b) and (c)**.

Here's the reasoning based on references from the passage:

1. **Human influence through tree species (Option (b)) :**
 - The passage states: **"Researchers also found that half of the Amazon's trees come from only 299 species, many useful to humans, such as açai, rubber, Brazil nuts, and cacao."** This indicates that the high concentration of tree species valuable to humans is evidence of human influence on the Amazon's landscape, as it suggests intentional planting and cultivation of these trees by Indigenous groups.

2. **Proximity of valuable species to archaeological sites (Option (c)) :**

- The passage also mentions: "These trees are often found near pre-Columbian archaeological sites, further proving that humans have long shaped the Amazon's landscape." This directly supports the idea that human activity, especially near archaeological sites, has influenced the distribution and abundance of valuable species like açai, rubber, and cacao.

Let's analyze the other options:

- **(a) The identification of pre-Columbian sites with limited plant diversity:** This is not supported by the passage. The passage emphasizes human influence through the cultivation of valuable species, not limited diversity.
- **(d) is incorrect because (a) is irrelevant, while (c) is correct.**

Thus, **(e) Both (b) and (c)** is the correct answer, as both the concentration of valuable species and their proximity to archaeological sites demonstrate evidence of human influence on the Amazon's landscape.

S6. Ans.(d)

Sol. The correct answer is **(d) tiring**.

The word "weary" means feeling or showing tiredness, especially as a result of excessive exertion or lack of sleep (अत्यधिक परिश्रम या आराम की कमी के कारण थकावट महसूस करना) . Let's examine each option to determine which is closest in meaning to "weary":

- **Option (a) rejuvenated(पुनर्जीवित)** is incorrect because "rejuvenated" means feeling fresh and full of energy, which is the opposite of "weary."
- **Option (b) rapt(मंत्रमुग्ध)** is incorrect because "rapt" means deeply engrossed or absorbed, which does not relate to tiredness.
- **Option (c) engaged(ब्यस्त)** is incorrect because "engaged" means being involved or busy, which does not convey the sense of tiredness.
- **Option (d) tiring(थकाऊ)** is correct because "tiring" refers to something that causes fatigue or exhaustion, which aligns closely with the meaning of "weary."
- **Option (e) gripping(दिलचस्प)** is incorrect because "gripping" means something that holds your attention, which is unrelated to being tired.

S7. Ans.(e)

Sol. The correct answer is **(e) monk**.

The word "friar" means a member of a religious order, particularly within Christianity, who often lives in a community and follows vows of poverty, chastity, and obedience (आम तौर पर ईसाई धर्म में एक धार्मिक समुदाय का सदस्य, जो गरीबी, पवित्रता, और आज्ञाकारिता की प्रतिज्ञा का पालन करता है) . Let's examine each option to determine which is closest in meaning to "friar":

- **Option (a) layman (अज्ञानी)** is incorrect because "layman" refers to a person who is not a member of the clergy or lacks specialized knowledge in a particular field.
- **Option (b) historian (इतिहासकार)** is incorrect because "historian" means someone who studies or writes about history, which does not relate to religious life.
- **Option (c) politician (राजनेता)** is incorrect because "politician" refers to someone involved in politics or governance, which is not connected to a religious order.
- **Option (d) secular (धर्मनिरपेक्ष)** is incorrect because "secular" means not connected with religious or spiritual matters, which is the opposite of "friar."
- **Option (e) monk (संन्यासी)** is correct because "monk" refers to a person who dedicates their life to religious service, which closely aligns with the meaning of "friar."

S8. Ans.(e)

Sol. The correct answer is **(e) pure**.

The word "pristine" means in its original condition, untouched, or unspoiled, often referring to something that is clean and uncorrupted (मूल अवस्था में, बिना छेड़छाड़ के, शुद्ध) . Let's examine each option to determine which is closest in meaning to "pristine":

- **Option (a) sullied (मैला)** is incorrect because "sullied" means tarnished or made dirty, which is the opposite of "pristine."
- **Option (b) grubby (गंदा)** is incorrect because "grubby" means dirty or unclean, which is not related to the meaning of "pristine."
- **Option (c) jumbled (उलझा हुआ)** is incorrect because "jumbled" refers to something mixed up or disorganized, which is unrelated to the meaning of "pristine."
- **Option (d) odious (घृणित)** is incorrect because "odious" means repulsive or extremely unpleasant, which has no connection to "pristine."
- **Option (e) pure (शुद्ध)** is correct because "pure" refers to something that is clean, untainted, and unspoiled, which closely aligns with the meaning of "pristine."

S9. Ans.(e)

Sol. The correct answer is **(e) gentle**.

The word "fierce" in the passage refers to being aggressive, violent, or forceful (उग्र, आक्रामक, हिंसक) . Let's examine each option to determine which is opposite in meaning to "fierce":

- **Option (a) vicious (क्रूर)** is incorrect because "vicious" means deliberately cruel or violent, which is similar to "fierce."
- **Option (b) savage (बर्बर)** is incorrect because "savage" also means violent, fierce, or uncontrolled, which aligns with the meaning of "fierce."
- **Option (c) brute (क्रूर व्यक्ति)** is incorrect because "brute" refers to a violent or rough person, similar in meaning to "fierce."
- **Option (d) exquisite (अति सुंदर)** is incorrect because "exquisite" refers to something extremely beautiful or delicate, which doesn't directly relate to the opposite of "fierce."
- **Option (e) gentle (कोमल)** is correct because "gentle" means kind, mild, or soft, which is the direct opposite of "fierce."

S10. Ans.(c)

Sol. The correct answer is **(c) infinitesimal**.

The word "overwhelming" in the passage refers to something very large, intense, or difficult to deal with (अत्यधिक, जबरदस्त, अथाह) . Let's examine each option to determine which is opposite in meaning to "overwhelming":

- **Option (a) inflated (फूला हुआ)** is incorrect because "inflated" means exaggerated or blown up, which can still imply something large and intense, similar to "overwhelming."
- **Option (b) crushing (कुचलने वाला)** is incorrect because "crushing" refers to something overpowering or severe, which aligns with the sense of "overwhelming."

- **Option (c) infinitesimal (अत्यल्प)** is correct because "infinitesimal" means extremely small or tiny, which is the direct opposite of something large and overwhelming.
- **Option (d) irresistible (अप्रत्याशित)** is incorrect because "irresistible" means something too attractive or compelling to be resisted, which doesn't convey the opposite of "overwhelming."
- **Option (e) preposterous (बेतुका)** is incorrect because "preposterous" means absurd or ridiculous, which is unrelated to the size or intensity implied by "overwhelming."

S11. Ans.(d)

Sol. The incorrect word in this sentence is:

(d) immitated

The correct spelling is "**imitated**."

Here are the meanings of the words in both Hindi and English:

1. **collection** – A group of things or works gathered for a particular purpose.
 - **Hindi:** संग्रह
2. **homage** – Special honor or respect shown publicly.
 - **Hindi:** सम्मान
3. **vintage** – Denoting something of high quality from a past era.
 - **Hindi:** पुरानी (अच्छी गुणवत्ता वाली चीज़ें)
4. **imitated** – To copy or mimic someone or something.
 - **Hindi:** नकल करना

The corrected sentence:

The new fashion designer **imitated** vintage styles to create a unique collection that pays homage to past trends while adding a modern twist.

S12. Ans.(b)

Sol. The incorrect word in this sentence is:

(b) bridal

The correct word should be "**bridle**."

"Bridal" refers to something related to a bride, while "bridle" is the headgear used to control a horse.

Here are the meanings of the words in both Hindi and English:

1. **trainer** – A person who teaches or coaches skills to someone or something.
 - **Hindi:** प्रशिक्षक
2. **bridle** – The headgear used to control a horse.
 - **Hindi:** लगाम
3. **adjusted** – Changed something slightly to achieve the desired fit, appearance, or result.
 - **Hindi:** समायोजित किया
4. **ensure** – To make certain that something will happen.
 - **Hindi:** सुनिश्चित करना

The corrected sentence:

The horse trainer carefully adjusted the **bridle** to ensure a comfortable fit before beginning the training session.

S13. Ans.(c)

Sol. The incorrect word in this sentence is:

(c) formerly

The correct spelling is "**formerly**."

Here are the meanings of the words in both Hindi and English:

1. **transformed** – Changed in form, appearance, or structure.
○ **Hindi:** परिवर्तित किया
2. **lively** – Full of life and energy.
○ **Hindi:** जीवंत
3. **formerly** – In the past; at an earlier time.
○ **Hindi:** पहले
4. **showcasing** – Displaying something in a way that attracts attention.
○ **Hindi:** प्रदर्शित करना

The corrected sentence:

The building, **formerly** a lively textile factory, has been transformed into a modern art gallery showcasing local talent.

S14. Ans.(a)

Sol. The incorrect word in this sentence is:

(a) incredulous

The correct spelling is "**incredulous**."

Here are the meanings of the words in both Hindi and English:

1. **incredulous** – Unwilling or unable to believe something.
○ **Hindi:** अविश्वासी
2. **prototype** – The first or preliminary version of a device or product.
○ **Hindi:** प्रारूप या नमूना
3. **anticipated** – Expected or predicted.
○ **Hindi:** प्रत्याशित
4. **preliminary** – Coming before something more important, often as an introduction.
○ **Hindi:** प्रारम्भिक

The corrected sentence:

The technology enthusiast was **incredulous** when the prototype device performed beyond its anticipated capabilities, surpassing all preliminary tests.

S15. Ans.(c)

Sol. The incorrect word in this sentence is:

(c) stationary

The correct word should be "**stationery**."

- "**Stationary**" means not moving or staying in one place, while "**stationery**" refers to writing materials like paper, envelopes, and notepads.

Here are the meanings of the words in both Hindi and English:

1. **boutique** – A small shop that sells fashionable clothes or accessories.
 - **Hindi:** बुटीक
2. **exquisite** – Extremely beautiful and delicate.
 - **Hindi:** सुंदर और कोमल
3. **stationery** – Writing materials, such as paper, pens, and envelopes.
 - **Hindi:** लेखन सामग्री
4. **personalized** – Something made or altered to suit an individual's preferences.
 - **Hindi:** व्यक्तिगत रूप से अनुकूलित

The corrected sentence:

The boutique shop offered a range of exquisite **stationery**, including personalized notepads and handcrafted envelopes, perfect for special occasions.

S16. Ans.(a)

Sol. The most suitable alternative for the blank in the sentence is:

(a) Magnify

The astronomer used a powerful telescope to **magnify** distant stars, revealing details invisible to the naked eye.

- **Magnify (बड़ा करना)** : To make something appear larger, especially with a lens or microscope.

Here's a brief explanation of why the other options are incorrect:

- **(b) Encounter (मुठभेड़ करना)** : This means to meet or come across something, but the sentence talks about observing stars with a telescope, not encountering them.
- **(c) Pitfall (फंदा)** : This refers to a hidden danger or difficulty, which doesn't fit the context of using a telescope to observe stars.
- **(d) Dissent (असहमति)** : This means disagreement, usually in an opinion or belief. It's unrelated to astronomy or observing stars.
- **(e) Curtailed (काट-छाँट करना)** : This means to reduce or limit something. The sentence focuses on revealing details, not reducing them, so it doesn't fit.

Thus, "magnify" is the correct choice, as it relates to enlarging or revealing details with a telescope.

S17. Ans.(b)

Sol. The most suitable alternative for the blank in the sentence is:

(b) Prompted (प्रेरित किया)

Explanation: "Prompted" means to cause or trigger someone to take action. In this case, the discovery of ancient artifacts **prompted** the archaeologists to start the excavation.

Here's a brief explanation of why the other options are incorrect:

- **(a) Connected (जोड़ा)** : This means to link or associate, which doesn't fit the context of causing an action (launching an excavation).
- **(c) Broaden (विस्तार करना)** : This means to widen or expand, which doesn't work here because the discovery led to an action, not an expansion of something.
- **(d) Extending (फैलाना)** : This means to make something longer or wider, but it doesn't align with the idea of initiating an excavation.

- **(e) Advocated (समर्थन किया)** : This means to support or argue in favor of something. While related to supporting an idea, it doesn't fit the cause-and-effect relationship implied by the sentence.

"Prompted" fits best as it means to cause or lead to action, which matches the context of the discovery leading to an excavation.

S18. Ans.(e)

Sol. The most suitable alternative for the blank in the sentence is:

(e) Urged

The teacher **urged** her students to explore diverse genres of literature to broaden their understanding of different cultures.

Explanation and Hindi Meaning:

- **Urged (प्रेरित किया / जोर दिया)** : To strongly encourage or push someone to take action. In this context, the teacher is encouraging her students to explore various genres of literature.
 - Example: The coach **urged** the players to give their best effort. (कोच ने खिलाड़ियों को अपनी पूरी कोशिश करने के लिए प्रेरित किया।)

Why the other options are incorrect:

- **(a) Exploring (खोज कर रहे)** : This is the present participle form of "explore," and it doesn't fit as it's not in the correct form for the sentence.
- **(b) Relocating (स्थानांतरण करना)** : This means moving from one place to another, which doesn't make sense in the context of encouraging students to explore literature.
- **(c) Located (स्थित)** : This means found or placed in a particular position, which is unrelated to encouraging students.
- **(d) Shut (बंद किया)** : This means to close something, which is the opposite of what the sentence is trying to convey. The teacher is encouraging, not restricting.

"Urged" is the correct word because it fits the idea of encouraging or motivating students.

S19. Ans.(e)

Sol. The most suitable alternative for the blank in the sentence is:

(e) Inculcated

The grandmother **inculcated** traditional values and respect for elders in her grandchildren through stories passed down over generations.

Explanation and Hindi Meaning:

- **Inculcated (सिखाया / मन में बैठाया)** : To instill an idea, value, or habit in someone's mind through persistent teaching or repetition.
 - Example: The teacher **inculcated** the importance of honesty in the students. (शिक्षक ने छात्रों के मन में ईमानदारी का महत्व बैठाया।)

Why the other options are incorrect:

- **(a) Inaugurated (उद्घाटन किया)** : This means to formally begin something, typically used for events or institutions. It doesn't fit the context of teaching values.
- **(b) Inaugurates (उद्घाटन करता है)** : This is the present tense of "inaugurate," and, like option (a), doesn't relate to teaching or instilling values.

- **(c) Implied (संकेत किया) :** This means to suggest something indirectly, but in this context, the grandmother is actively teaching, not indirectly suggesting.
- **(d) Implies (संकेत करता है) :** This is the present tense form of "imply," which also doesn't fit because the grandmother is instilling values, not suggesting them.

"Inculcated" is the correct choice because it refers to the persistent teaching of values, which matches the context of the sentence.

S20. Ans.(a)

Sol. The most suitable alternative for the blank in the sentence is:

(a) Acquisition

The musician's **acquisition** of a rare vintage guitar added a unique sound to his latest album recordings.

Explanation and Hindi Meaning:

- **Acquisition (अधिग्रहण / प्राप्ति) :** The act of obtaining or gaining possession of something, often referring to valuable or rare items.
 - Example: The company's **acquisition** of new technology boosted its performance. (कंपनी द्वारा नई तकनीक का अधिग्रहण उसके प्रदर्शन में वृद्धि का कारण बना।)

Why the other options are incorrect:

- **(b) Protection (सुरक्षा) :** This means keeping something safe from harm. While important, it doesn't fit the context of obtaining a rare guitar.
- **(c) Ceremonial (औपचारिक) :** This refers to something related to a ceremony, and it doesn't make sense in the context of acquiring a guitar for recording music.
- **(d) Marauding (लूटपाट करना) :** This refers to raiding or plundering, which is completely unrelated to the context of music and acquiring instruments.
- **(e) Subversion (विनाशकारी / अव्यवस्था) :** This means undermining authority or an established system, which doesn't fit the context of purchasing or obtaining a guitar.

"Acquisition" is the correct word because it refers to the act of obtaining the rare vintage guitar, which added value to the musician's recordings.

S21. Ans.(b)

Sol. Correct Sequence:

B - A - D - C - E

Explanation:

1. **B** introduces the main idea, describing how India's mineral ecosystem is transforming with a focus on a human-centric approach.
2. **A** follows by explaining that the initiative aims to ensure that the benefits of this ecosystem reach local communities affected by mining.
3. **D** elaborates on specific programs such as skill development, healthcare, and education to uplift these communities.
4. **C** connects these efforts to a broader approach that balances economic development with social responsibility and environmental sustainability.
5. **E** concludes by stating the government's goal of embedding community welfare into mining policies for a more inclusive and sustainable framework.



BANK MAHAPACK
for all Bank & Insurance Exams
Selection Ka Saathi

S22. Ans.(c)

Sol. Correct Sequence:

B - A - D - C - E

Explanation:

1. **B** introduces the main idea, describing how India's mineral ecosystem is transforming with a focus on a human-centric approach.
2. **A** follows by explaining that the initiative aims to ensure that the benefits of this ecosystem reach local communities affected by mining.
3. **D** elaborates on specific programs such as skill development, healthcare, and education to uplift these communities.
4. **C** connects these efforts to a broader approach that balances economic development with social responsibility and environmental sustainability.
5. **E** concludes by stating the government's goal of embedding community welfare into mining policies for a more inclusive and sustainable framework.

S23. Ans.(a)

Sol. Correct Sequence:

B - A - D - C - E

Explanation:

1. **B** introduces the main idea, describing how India's mineral ecosystem is transforming with a focus on a human-centric approach.
2. **A** follows by explaining that the initiative aims to ensure that the benefits of this ecosystem reach local communities affected by mining.
3. **D** elaborates on specific programs such as skill development, healthcare, and education to uplift these communities.
4. **C** connects these efforts to a broader approach that balances economic development with social responsibility and environmental sustainability.
5. **E** concludes by stating the government's goal of embedding community welfare into mining policies for a more inclusive and sustainable framework.

S24. Ans.(d)

Sol. Correct Sequence:

B - A - D - C - E

Explanation:

1. **B** introduces the main idea, describing how India's mineral ecosystem is transforming with a focus on a human-centric approach.
2. **A** follows by explaining that the initiative aims to ensure that the benefits of this ecosystem reach local communities affected by mining.
3. **D** elaborates on specific programs such as skill development, healthcare, and education to uplift these communities.
4. **C** connects these efforts to a broader approach that balances economic development with social responsibility and environmental sustainability.
5. **E** concludes by stating the government's goal of embedding community welfare into mining policies for a more inclusive and sustainable framework.

S25. Ans.(e)

Sol. Correct Sequence:

B - A - D - C - E

Explanation:

1. **B** introduces the main idea, describing how India's mineral ecosystem is transforming with a focus on a human-centric approach.
2. **A** follows by explaining that the initiative aims to ensure that the benefits of this ecosystem reach local communities affected by mining.
3. **D** elaborates on specific programs such as skill development, healthcare, and education to uplift these communities.
4. **C** connects these efforts to a broader approach that balances economic development with social responsibility and environmental sustainability.
5. **E** concludes by stating the government's goal of embedding community welfare into mining policies for a more inclusive and sustainable framework.

S26. Ans.(b)

Sol. The grammatically correct sentence is option **(b)** : "A joint statement highlighted progress in advancing clean energy innovation and accelerating transitions."

Analysis:

(a) Filmmakers and content creators of popular shows is intensifying efforts to protect their IPR.

- **Error:** Subject-verb agreement issue. The subject "Filmmakers and content creators" is plural, so the verb should be plural as well. "Is" should be replaced with "are."
- **Correction:** Filmmakers and content creators of popular shows **are** intensifying efforts to protect their IPR.

(b) A joint statement highlighted progress in advancing clean energy innovation and accelerating transitions. There are no grammatical errors in this sentence.

- The subject "A joint statement" (singular) is correctly followed by the verb "highlighted" (past tense). The sentence structure is grammatically sound.

(c) India leads in jute goods production, contribute around 70% of global output.

- **Error:** Tense issue. The verb "contribute" is incorrect because it should be in the present tense to match "leads." It should be "contributes."
- **Correction:** India leads in jute goods production, **contributing** around 70% of global output.

(d) It is responsible in developing jute cultivation, manufacturing, and marketing.

- **Error:** Incorrect preposition usage. The correct preposition after "responsible" is "for," not "in."
- **Correction:** It is responsible **for** developing jute cultivation, manufacturing, and marketing.

S27. Ans.(d)

Sol. The grammatically correct sentence is option **(d)** : "RBI highlighted challenges in financing sustainable agriculture at a recent international conference."

Analysis:

(a) Advance in 3D culture models (NAMs) offer promising tools for more precise treatments.

- **Error:** Subject-verb agreement issue. "Advance" is singular, so the verb should be "offers" instead of "offer."
- **Correction:** Advance in 3D culture models (NAMs) **offers** promising tools for more precise treatments.

(b) Sustainable agriculture are key to food security, climate action, and resource conservation.

- **Error:** Subject-verb agreement issue. "Sustainable agriculture" is singular, so "are" should be replaced with "is."
- **Correction:** Sustainable agriculture **is** key to food security, climate action, and resource conservation.

(c) World Ozone Day marks the implemented of the Montreal Protocol and its Kigali Amendment.

- **Error:** Incorrect word usage. "Implemented" should be replaced with "implementation" to form a grammatically correct sentence.
- **Correction:** World Ozone Day marks the **implementation** of the Montreal Protocol and its Kigali Amendment.

(d) RBI highlighted challenges in financing sustainable agriculture at a recent international conference.

- There are no grammatical errors in this sentence.
- The subject "RBI" (singular) is correctly followed by the verb "highlighted" (past tense) . The sentence structure is grammatically sound.

S28. Ans.(c)

Sol. The grammatically correct sentence is option **(c)** : **"Intelligence gathering enhances awareness of security threats, suspicious activities, and smuggling attempts."**

Analysis:

(a) Ozone holes are mainly found over Antarctica, accelerates by stratospheric clouds that facilitate these reactions.

- **Error:** Subject-verb agreement issue. "Accelerates" should be "accelerated" to agree with the subject "Ozone holes."
- **Correction:** Ozone holes are mainly found over Antarctica, **accelerated** by stratospheric clouds that facilitate these reactions.

(b) The Vibrant Villages Programme focusing in developing border villages, reversing outmigration, and preserving local culture.

- **Error:** Verb tense issue and incorrect preposition. "Focusing in" should be "focuses on."
- **Correction:** The Vibrant Villages Programme **focuses on** developing border villages, reversing outmigration, and preserving local culture.

(c) Intelligence gathering enhances awareness of security threats, suspicious activities, and smuggling attempts.

- There are no grammatical errors in this sentence.
- The subject "Intelligence gathering" (singular) is correctly followed by the verb "enhances" (present tense) . The sentence structure is grammatically sound.

(d) Subtle gender discrimination appears through supportive behaviors that reinforce traditional roles and inequality.

- **Error:** Incorrect word choice. "Inequality" should be replaced with "inequality."
- **Correction:** Subtle gender discrimination appears through supportive behaviors that reinforce traditional roles and **inequality**.

S29. Ans.(e)

Sol. The correct option is (e) : **All are incorrect.**

Analysis:

(a) Renowned poet and lyricist Shyamlal Gupta 'Parshad' is recently commemorated on his birth anniversary.

- **Error:** Tense issue. The phrase "is recently commemorated" should be in the past tense as "was recently commemorated."
- **Correction:** Renowned poet and lyricist Shyamlal Gupta 'Parshad' **was** recently commemorated on his birth anniversary.

(b) Rising demand for phosphoric acid in EV batteries threatens India's agriculture, reliant on import fertilizers.

- **Error:** The word "import" should be "imported" to correctly describe the fertilizers.
- **Correction:** Rising demand for phosphoric acid in EV batteries threatens India's agriculture, reliant on **imported** fertilizers.

(c) Work-life balance assumptions often impact women more instead to caregiving expectations.

- **Error:** Incorrect preposition. "Instead to" should be "due to".
- **Correction:** Work-life balance assumptions often impact women more **due to** caregiving expectations.

(d) Left wing extremism have impeded forestry operations in Palamau Tiger Reserve.

- **Error:** Subject-verb agreement issue. "Left wing extremism" is singular, so "have" should be "has."
- **Correction:** Left wing extremism **has** impeded forestry operations in Palamau Tiger Reserve.

S30. Ans.(d)

Sol. The grammatically correct sentence is option (d) : "The Polaris Dawn Mission successfully completed the world's first private spacewalk."

Analysis:

(a) CPCB has implements strict guidelines to penalize violations of the Battery Waste Management Rules, 2022.

- **Error:** The verb "implements" is incorrect. It should be "implemented" to match the past tense structure of the sentence.
- **Correction:** CPCB has **implemented** strict guidelines to penalize violations of the Battery Waste Management Rules, 2022.

(b) DGGI have proposed reciprocal arrangements with foreign governments to prevent tax evasion in OIDAR services.

- **Error:** Subject-verb agreement issue. "DGGI" is singular, so "have" should be "has."
- **Correction:** DGGI **has** proposed reciprocal arrangements with foreign governments to prevent tax evasion in OIDAR services.

(c) Earth's magnetosphere trap radiation, shielding it from solar storms and winds.

- **Error:** Subject-verb agreement issue. "Magnetosphere" is singular, so "trap" should be "traps."
- **Correction:** Earth's magnetosphere **traps** radiation, shielding it from solar storms and winds.

(d) The Polaris Dawn Mission successfully completed the world's first private spacewalk.

- This sentence is grammatically correct. The subject "The Polaris Dawn Mission" is singular and the verb "completed" is in the correct past tense form. No changes are needed.

Directions (31-35) :

Final arrangement:

Floors	Persons
8	D
7	G
6	A
5	C
4	E
3	B
2	F
1	H

Explanation:

Clues: Two persons live between D and C. Either D or C lives on the topmost floor.

Inference: From the above conditions there are two possibilities.

Floors	Persons	Persons
	Case 1	Case 2
8	D	C
7		
6		
5	C	D
4		
3		
2		
1		

Clues: Three persons live between C and H. E lives three floors above H. A is an immediate neighbour of C. More than two persons live between A and F.

Inference: From the above conditions case 2 is cancelled as there is no place for A.

Floors	Persons	Persons
	Case 1	Case 2
8	D	C
7		E
6	A	
5	C	D
4	E	H
3		
2	F	
1	H	

Clue: B lives below G.

Inference: Final arrangement:

Floors	Persons
8	D
7	G
6	A
5	C
4	E
3	B
2	F
1	H

S31. Ans.(c)

Sol. B lives on the third floor.

S32. Ans.(d)

Sol. G lives immediately above A.

Five persons live between G and H.

S33. Ans.(c)

Sol. G is related to C and E is related to F, in same way B is related to H.

S34. Ans.(b)

Sol. Except D all person lives on the odd numbered floors.

S35. Ans.(c)

Sol. Both I and III statements are true.

S36. Ans.(a)

Sol.

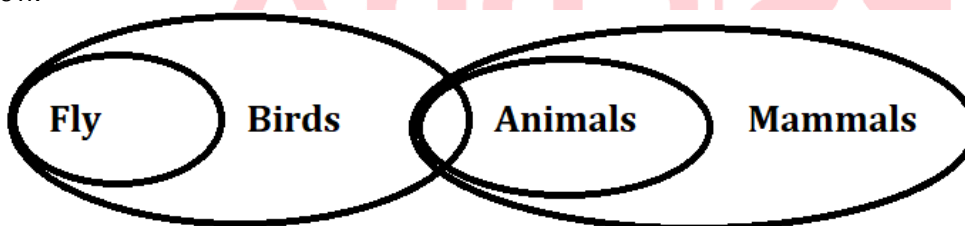
TOURISM

Directions (37-39) :

S37. Ans.(d)

Sol. I. does not follow – Fly is restricted for relation with anyone. So, any relation does not follow.

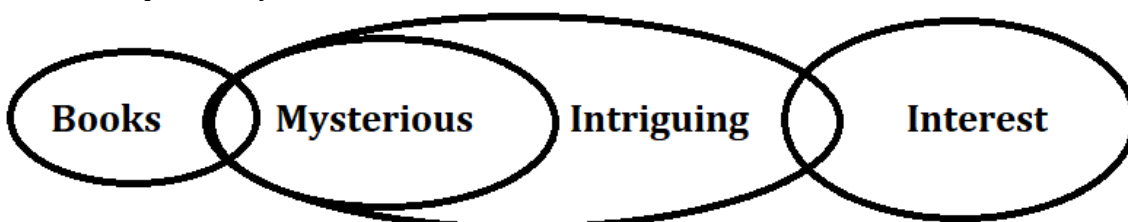
II. does not follow – Some Birds are Animals but we can't say that some Animals are not Birds. So, it does not follow.



S38. Ans.(e)

Sol. I. Follow – As there is no direct relation between Mysterious and Interest. So, possible relations will follow.

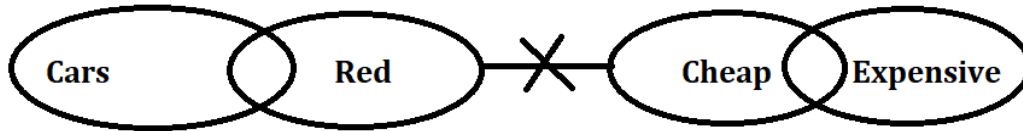
II. follow - As there is no direct relation between Interest and Books. So, any definite relation doesn't follow but is true in the possibility.



S39. Ans.(d)

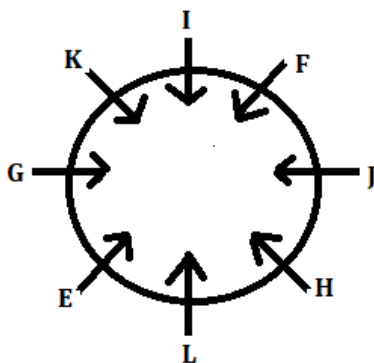
Sol. I. does not follow – As there is no direct relation between Car and Expensive. So, any definite relation doesn't follow.

II. does not follow – As there is no direct relation between Red and Expensive. So, any definite relation doesn't follow.



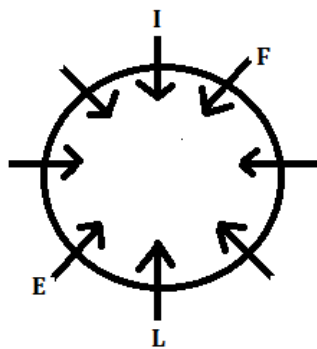
Directions (40-44) :

Final arrangement:

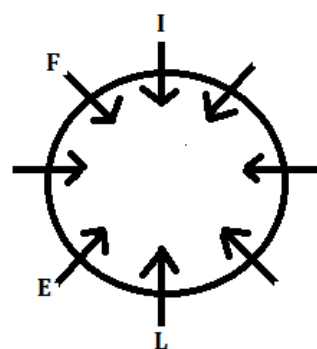


Clues: L sits three persons away from F and sits to the immediate right of E. I sits third to the left of E.

Inference: From above information we get two possibilities.



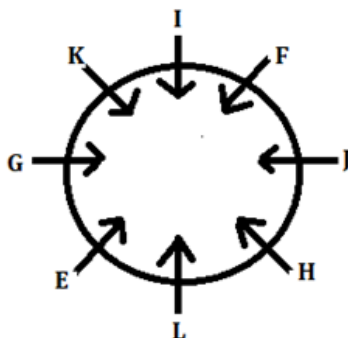
Case 1



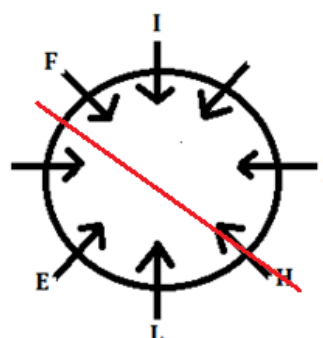
Case 2

Clues: Only two persons sit between I and H who sits to the immediate left of J. G sits to the immediate right of K.

Inference: From above information case 2 get cancelled here.

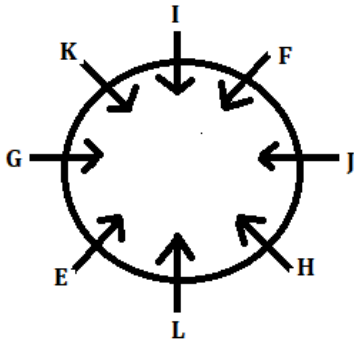


Case 1



~~**Case 2**~~

Inference: After combining all the information we get final arrangement:



S40. Ans.(c)

Sol. The position of F is immediate right of J.

S41. Ans.(b)

Sol. K is related to J.

S42. Ans.(d)

Sol. Except GF, the gap of first person to second person is one.

S43. Ans.(a)

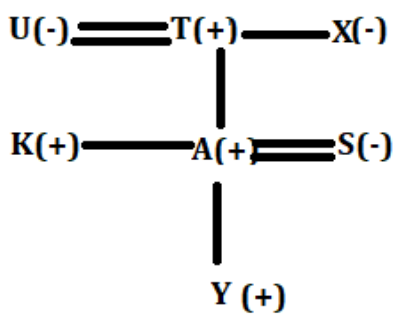
Sol. F sits to the immediate left of I.

S44. Ans.(c)

Sol. H sits second to the right of E.

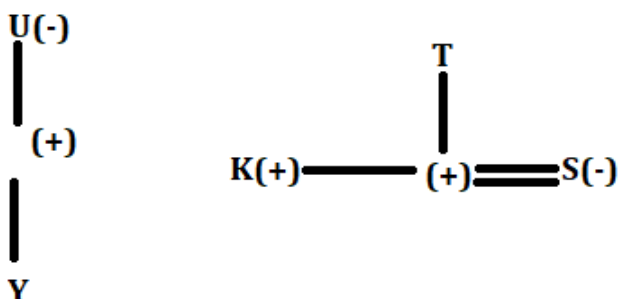
Directions (45-47) :

Final arrangement:



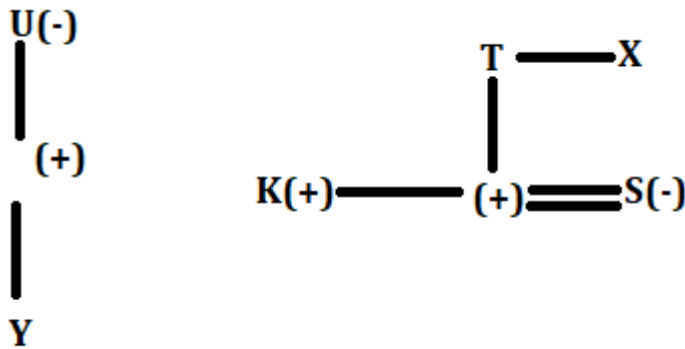
Clues: U is the paternal grandmother of Y. S is the daughter-in-law of T. K is the son of T but not the husband of S.

Inference: From the above conditions it is clear that T has two sons.



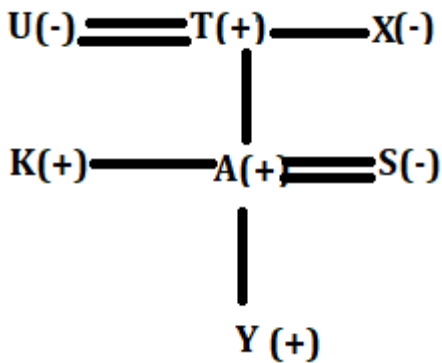
Clue: T and X are siblings.

Inference: From the above conditions it is clear that K is the nephew of X



Clues: U and X are sisters-in-law of each other. There is no single parent in the family. Number of females is one less than the number of males.

Inference: From the above conditions it is clear that U is the wife of T. So, the Final arrangement:



S45. Ans.(b)

Sol. K is the nephew of X

S46. Ans.(c)

Sol. S is the daughter-in-law of U

S47. Ans.(d)

Sol. There are four male members in the family

S48. Ans.(b)

Sol. Given number: 4861952783

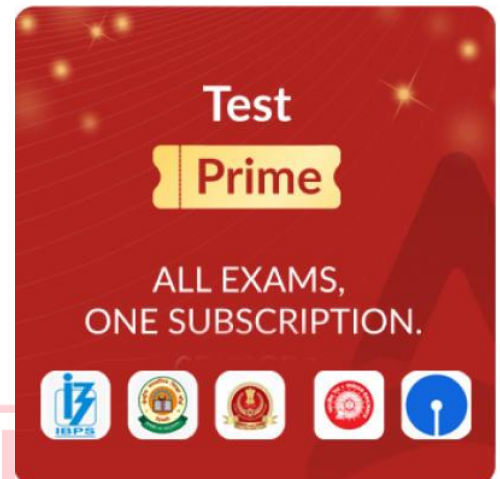
After arrangement: 9887654321

Sum- $7+6+3=16$

Directions (49-51) :

Final arrangement:

$$\underline{J} > \underline{L} > \underline{\frac{K}{64 \text{ Kg}}} > \underline{O} > \underline{\frac{N}{42 \text{ Kg}}} > \underline{M}$$



Explanation:

Clues: L is 2nd heaviest person among them. There are two persons between L and N.

Inference: So, N will be 2nd lightest among all.

— > L > — > — > N > —

Clues: K is just heavier than O but lighter than J.

Inference: Thus, J will be the heaviest among all.

J > L > K > O > N > —

Clues: The weight of 2nd lightest person is 42 Kg. One of the persons is M. Weight of the person who is just lighter than L is 64Kg.

Inference: So, N will be 42kg and M will be the lightest among all. Hence, the final arrangement.

J > L > K > O > N > M
 64 Kg 42 Kg

S49. Ans.(c)

Sol. Three persons are lighter than K.

S50. Ans.(a)

Sol. The possible weight of O is 55kg.

S51. Ans.(c)

Sol. Four persons have more weight than M but less than J.

Directions (52-56) :

Words	Codes
Global	Mj
Economic	Rs
Growth/Nation	Yw/pb
World/Outlook	Zn/kp
Update	Bd
Challenges	Cx
Risks	Dw
Slowed /down	Ir/jq

S52. Ans.(d)

S53. Ans.(e)

S54. Ans.(a)

S55. Ans.(d)

S56. Ans.(b)

Directions (57-61) :

Final arrangement:

Month	Date	Persons
January	13	S
	18	P
April	13	V
	18	Q
August	13	U
	18	R
November	13	W
	18	T

Clues: Three persons join the classes between Q and T who joins class after Q. T joins the class in the month having even number of days.

Inference: So, here we have two possible cases. R attends class two persons before T.

Month	Date	Case 1	Case 2
		Persons	Persons
January	13		
	18		
April	13	Q	
	18		Q
August	13	R	
	18		R
November	13	T	
	18		T

Clues: P attends class just after S. So, case 2a also arises here. V attends class before Q.

Inference: So, case 1 gets eliminated here.

Month	Date	Case 1	Case 2	Case 2a
		Persons	Persons	Persons
January	13	S	S	V
	18	P	P	S
April	13	Q	V	P
	18		Q	Q
August	13	R		
	18		R	R
November	13	T		
	18		T	T

Clues: U attends class three persons after P.

Inference: So, case 3 gets eliminated here.

Month	Date	Case 2	Case 2a
		Persons	Persons
January	13	S	V
	18	P	S
April	13	V	P
	18	Q	Q
August	13	U	
	18	R	R
November	13		
	18	T	T

Inference: As we know W is one of the persons. So, W attends class on 13th November and the final arrangement is:

Month	Date	Persons
January	13	S
	18	P
April	13	V
	18	Q
August	13	U
	18	R
November	13	W
	18	T

S57. Ans.(b)

Sol. Five persons attend the classes between S and W.

S58. Ans.(d)

Sol. Both T and W attend the class in November.

S59. Ans.(b)

Sol. Both II and III statements are true.

S60. Ans.(c)

Sol. Except V, all of them attend class on an even numbered date.

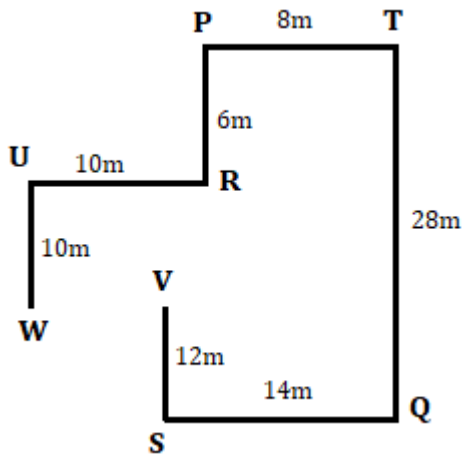
S61. Ans.(e)

Sol. V is related to R.

S62. Ans.(a)

Sol. No meaningful word is formed.

Directions (63-65) :



S63. Ans.(a)

Sol. Point T is 10m, North-east from Point R

S64. Ans.(b)

Sol. Point U is in north-west of point Q

S65. Ans.(c)

Sol. Both point V and W are in same line

S66. Ans.(c)

Sol. Let the present ages of A and B is $8a$ years & $3a$ years respectively

ATQ,

$$\frac{8a + 4}{3a + 4} = \frac{2}{1}$$

$$8a + 4 = 6a + 8$$

$$2a = 4$$

$$a = 2$$

$$\text{Present age of C} = \frac{8a + 3a + 4}{2}$$

$$= \frac{11a + 4}{2}$$

$$= \frac{11 \times 2 + 4}{2}$$

$$= \frac{26}{2} = 13 \text{ years}$$

S67. Ans.(e)

Sol. Let radius of the circle be ' r ' cm

ATQ,

$$2 \times \frac{22}{7} \times r - r = 74$$

$$r \left(\frac{44}{7} - 1 \right) = 74$$

$$\frac{37r}{7} = 74$$

$$r = 14$$

$$\text{Area of the circle} = \frac{22}{7} \times 14 \times 14 = 616 \text{ cm}^2$$

S68. Ans.(a)

Sol. ATQ,

$$2100 = 5000 \times \frac{R}{100} \times 3.5$$

$$R = 12$$

$$\text{New rate of interest} = (R-2) \%$$

$$= (12-2) \% = 10\%$$

$$\text{Composite compound interest for two years} = \left(10 + 10 + \frac{10 \times 10}{100}\right) \% = 21\%$$

$$\text{Required interest} = 5000 \times \frac{21}{100} = \text{Rs. } 1050$$

S69. Ans.(b)

Sol. ATQ,

$$\frac{4000 \times 8}{(X + 3500) \times 10} = \frac{400}{750}$$

$$400 \times 15 = X + 3500$$

$$6000 - 3500 = X$$

$$2500 = X$$

S70. Ans.(d)

Sol. Let capacity of the tank (L.C.M. of 12 & 18) = 36 liters

$$\text{Efficiency of pipe P} = \frac{36}{12} = 3 \text{ units/hour}$$

$$\text{Efficiency of pipe Q} = \frac{36}{18} = 2 \text{ units/hour}$$

$$\text{Efficiency of pipe R} = \frac{3+2}{10} \times 3 = 1.5 \text{ units/hour}$$

$$\text{Required time} = \frac{36}{1.5} = 24 \text{ hours} = 1 \text{ day}$$

S71. Ans.(c)

$$\text{Sol. } \frac{4}{5} \times 80 - ? \times 2 = 14$$

$$64 - 14 = ? \times 2$$

$$25 = ?$$

S72. Ans.(c)

$$\text{Sol. } 30 \times \frac{2}{3} = ?$$

$$20 = ?$$

S73. Ans.(a)

$$\text{Sol. } \frac{1}{4} \times 440 + \frac{80}{100} \times 60 = ? + 10$$

$$110 + 48 - 10 = ?$$

$$148 = ?$$



BANK MAHAPACK
for all Bank & Insurance Exams
Selection Ka Saathi

S74. Ans.(b)

Sol. $109 = ? - 53$

$162 = ?$

S75. Ans.(e)

Sol. $361 + 129 = ? \times \frac{1}{100} \times 40$

$490 = ? \times \frac{2}{5}$

$1225 = ?$

S76. Ans.(d)

Sol. $\sqrt{\frac{40}{100}} \times 90 + 14 = ? \div 5$

$(6 + 14) \times 5 = ?$

$100 = ?$

S77. Ans.(c)

Sol. $\frac{11}{9} - \frac{41}{18} + \frac{34}{9} = ?$

$\frac{22 - 41 + 68}{18} = ?$

$\frac{49}{18} = ?$

S78. Ans.(e)

Sol. $5^4 \times 5^2 \div 5^3 = 5^?$

$4 + 2 - 3 = ?$

$3 = ?$

S79. Ans.(e)

Sol. $\frac{4}{3} \times 270 + \frac{18}{100} \times 150 = ? \div 3$

$360 + 27 = ? \div 3$

$1161 = ?$

S80. Ans.(b)

Sol. $216 + 9 = ?^2$

$225 = ?^2$

$15 = ?$

S81. Ans.(a)

Sol. $\frac{\frac{45}{100} \times \frac{80}{100} \times 5000}{36} = \sqrt{?}$

$\frac{1800}{36} = \sqrt{?}$

$50 = \sqrt{?}$

$2500 = ?$

S82. Ans.(e)

Sol. $4.5 + 4.5 - 7.5 = \frac{?}{2}$

$1.5 = \frac{?}{2}$

$3 = ?$

S83. Ans.(b)

Sol. $\sqrt{\sqrt{81} + 7} = ?$

$\sqrt{9 + 7} = ?$

$4 = ?$

S84. Ans.(c)

Sol. $\frac{87.5}{100} \times 560 \times \frac{2}{7} = ?$

$140 = ?$

S85. Ans.(a)

Sol. $\frac{16+24}{10} = ?$

$4 = ?$

S86. Ans.(c)

Sol. Let cost price be Rs.100x

Marked price = $100x \times \frac{160}{100} = \text{Rs. } 160x$

Selling price = $160x \times \frac{80}{100} \times \frac{75}{100} = \text{Rs. } 96x$

ATQ,

$100x - 96x = 24$

$4x = 24$

$x = 6$

Marked price = $6 \times 160 = \text{Rs. } 960$

S87. Ans.(d)

Sol. Quantity of wine = $60 \times \frac{3}{5} = 36$ litres

Quantity of wine = $60 \times \frac{2}{5} = 24$ litres

ATQ,

$\frac{36}{24 + X} = \frac{9}{10}$

$40 - 24 = X$

$X = 16$

S88. Ans.(e)

Sol. Let efficiency of a man and a woman be 'm' & 'w' respectively

ATQ,

$20 \times m \times 15 = 25 \times w \times 10$

$\frac{m}{w} = \frac{5}{6} = \frac{5a}{6a}$

$$\text{Total work} = 20 \times 5a \times 15 = 1500a \text{ units}$$

$$1500a = X \times 5a \times 4 + (X + 5) \times 6a \times 2$$

$$1500a = 20aX + 12aX + 60a$$

$$1440a = 32aX$$

$$45 = X$$

S89. Ans.(b)

Sol. Let A & B be $7x$ & $4x$ respectively

ATQ,

$$\frac{7x + 3}{4x \times \frac{50}{100}} = \frac{4}{1}$$

$$7x + 3 = 8x$$

$$3 = x$$

$$\text{Required value} = \frac{25}{100} \times 7 \times 3 = 5.25$$

S90. Ans.(e)

Sol. Let length of train A be ' x ' meters

And length of train B = ' $x+50$ ' meters

ATQ,

$$\frac{x + x + 50}{10 + 15} = 22$$

$$2x + 50 = 550$$

$$2x = 500$$

$$x = 250$$

Length of train B = ' $x+50$ '

$$= 250 + 50 = 300 \text{ meters}$$

S91. Ans.(d)

Sol. Pattern of the series:

$$? = 180, \quad 194, \quad 206, \quad 215, \quad 220, \quad 220$$

$$14 \quad 12 \quad 9 \quad 5 \quad 0$$

$$-2 \quad -3 \quad -4 \quad -5$$

S92. Ans.(e)

Sol. Pattern of the series:

$$1040 - 7^3 = 697$$

$$697 - 6^3 = 481$$

$$481 - 5^3 = 356$$

$$356 - 4^3 = 292$$

$$292 - 3^3 = 265$$

S93. Ans.(a)

Sol. Pattern of the series:

$$21 + 19 = 40$$

$$40 + 38 = 78$$

$$78 + 57 = 135$$

$$135 + 76 = 211$$

$$211 + 95 = 306$$

S94. Ans.(e)

Sol. Pattern of the series:

$$45 \times 2 = 90$$

$$90 \times 3 = 270$$

$$270 \times 4 = 1080$$

$$1080 \times 5 = 5400$$

$$5400 \times 6 = 32400$$

S95. Ans.(b)

Sol. Pattern of the series:

$$8^3 = 512$$

$$9^2 = 81$$

$$10^3 = 1000$$

$$11^2 = 121$$

$$12^3 = 1728$$

$$13^2 = 169$$

Sol. (96-100) :

For shop A

$$\text{Total history books sold} = 80 \times \frac{40}{100} = 32$$

$$\text{Total English books sold} = 80 \times \frac{60}{100} = 48$$

Similarly

Shops	Total books (English and History) sold	History books sold	English book sold
A	80	32	48
B	50	30	20
C	120	90	30
D	75	15	60

S96. Ans.(b)

$$\text{Sol. Required percentage} = \frac{60}{30} \times 100 = 200\%$$

S97. Ans.(a)

$$\text{Sol. Required revenue} = 20 \times 32 = \text{Rs. } 640$$

S98. Ans.(e)

Sol. Total English books sold by X = $\frac{75}{100} \times 48 = 36$

Total History books sold by X = $\frac{30}{5} \times 4 = 24$

Total books (English and History) sold by X = $36+24=60$

Total books (English and History) sold by C = 120

Required difference = $120 - 60 = 60$

S99. Ans.(d)

Sol. Required ratio = $90 : 20 = 9:2$

S100. Ans.(c)

Sol. Total Math's books sold by D = $3 \times 30 = 90$

Total history books sold by A = 32

Required sum = $32+90=122$

