

IBPS SO Prelims (IT) 2026 Memory Based Paper (Held on 29 Aug 2026)

Q1. Choose the most appropriate word to fill in the blank given in the passage.

Read the following passage and answer the given questions.

For centuries, writing has been considered one of the most deeply human activities — a craft that reflects the thoughts, emotions, and experiences of the person behind the pen. But the rapid rise of Artificial Intelligence has quietly begun to blur this long-held assumption, and nowhere is this tension more visible than in the world of academic and professional research writing.

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Several academic institutions and publishing bodies have begun introducing disclosure guidelines, requiring authors to openly state whether AI was used in their writing process. However, enforcement remains inconsistent and many researchers continue to use AI without any acknowledgement.

The question the industry now faces is not whether AI will continue to be used in research writing — it almost certainly will — but whether the public deserves to know when it has been.

- (a) previously
- (b) occasionally
- (c) entirely
- (d) broadly
- (e) rarely

Ans.(c)

Q2. Choose the word most similar in meaning to "authenticity" as used in the passage.

Read the following passage and answer the given questions.

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- (a) popularity
- (b) genuineness
- (c) fiction
- (d) vision
- (e) accuracy

Ans.(b)

Q3. Choose the word most similar in meaning to " acknowledgement " as used in the passage.

Read the following passage and answer the given questions.

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- (a) celebration
- (b) permission
- (c) circulation
- (d) approval

(e) disclosure

Ans.(e)

Q4. What does the passage identify as the deeper problem with AI-assisted research writing?

Read the following passage and answer the given questions.

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- (a) AI tools produce grammatically incorrect content that misleads readers about research quality
- (b) Publishing bodies refuse to accept research papers that show any signs of AI-assisted drafting
- (c) Academic institutions have completely banned AI tools making research writing unnecessarily difficult
- (d) AI tools are too expensive for most researchers making their adoption inherently unfair and unequal
- (e) Readers have no reliable means of knowing the extent of AI involvement in content they consume

Ans.(e)

Q5. Which of the following statement(s) is/are correct according to the passage?

- (I) Writing has historically been regarded as a deeply human activity reflecting the thoughts and emotions of its creator.
- (II) Several academic institutions have introduced disclosure guidelines requiring authors to declare AI usage in writing.
- (III) Enforcement of AI disclosure guidelines has been consistent and widely adopted across all publishing bodies.

Read the following passage and answer the given questions.

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The question the industry now faces is not whether AI will continue to be used in research writing — it almost certainly will — but whether the public deserves to know when it has been.

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

Ans.(b)

Q6. Which of the following statement(s) is/are incorrect according to the passage?

- (I) Critics argue that AI generating substantial portions of research raises genuine questions about authorship.
- (II) Most readers currently have a reliable and transparent way of identifying AI-generated content they encounter.
- (III) The passage suggests AI usage in research writing will likely decline significantly in the coming years.

Read the following passage and answer the given questions.

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

Ans.(b)

Q7. What does the passage suggest is the most important question facing the research writing industry regarding AI?

Read the following passage and answer the given questions.

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- (a) Whether AI tools should be completely banned from academic and professional writing globally
- (b) Whether AI can eventually replace human researchers entirely across all disciplines
- (c) Whether publishing bodies should develop proprietary AI tools rather than using external platforms

(d) Whether public disclosure of AI involvement in content creation is a responsibility that cannot be ignored

(e) Whether governments should legislate controls over AI writing technology development internationally

Ans.(d)

Q8. . What does the passage suggest about the contradiction created by hidden AI involvement in content creation?

Read the following passage and answer the given questions.

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(a) Readers appreciate AI-assisted content more because it tends to be better structured and more readable

(b) The hidden nature of AI involvement strengthens reader trust by ensuring consistently high content quality

(c) Readers are expected to trust content authenticity while the process behind its creation remains concealed

(d) Publishers benefit financially from AI involvement and therefore have no incentive to introduce disclosure rules

(e) The contradiction will resolve itself naturally as readers develop the ability to detect AI-generated writing

Ans.(c)

- Q9.** A. rates in nearby
B. significantly improved pollination
C. the horticulturist noted that
D. community gardens
E. rooftop beehives have

The following question gives a sentence which has been divided into five parts which may not be in their correct order of narrative. The sentence is then followed by five options, one of which gives the sequence of the rearranged parts to make the sentence meaningful. Choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence, mark option " No rearrangement required " as the answer.

- (a) CEDAB
(b) ECBAD
(c) EDCAB
(d) CEBAD
(e) No rearrangement required

Ans.(d)

Q10. The child asked (A)/ his mother whether (B)/ he could went (C)/ out to play. (D)

The sentence is divided into four segments: (A), (B), (C), and (D). Identify the segment that contains a grammatical error. If the sentence is both grammatically and contextually correct, select "No error" as the correct answer.

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

Ans.(c)

Q11. The honest (A)/ shopkeeper returned (B)/ the extra money (C)/ to the customer himself. (D)

The sentence is divided into four segments: (A), (B), (C), and (D). Identify the segment that contains a grammatical error. If the sentence is both grammatically and contextually correct, select "No error" as the correct answer.

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

Ans.(d)

Q12. The old couple (A)/have been living in this (B)/ house since thirty (C)/ years without any problem. (D)

The sentence is divided into four segments: (A), (B), (C), and (D). Identify the segment that contains a grammatical error. If the sentence is both grammatically and contextually correct, select "No error" as the correct answer.

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

Ans.(c)

- Q13.** A. practice that supports both
B. a powerful preventive
C. mind and body
D. a relaxation technique—it's
E. meditation is more than

The following question gives a sentence which has been divided into five parts which may not be in their correct order of narrative. The sentence is then followed by five options, one of which gives the sequence of the rearranged parts to make the sentence meaningful. Choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence, mark option " No rearrangement required " as the answer.

- (a) CDBAE
- (b) ADBEC
- (c) DCABE
- (d) EDBAC
- (e) No rearrangement required

Ans.(d)

- Q14.** A. capital, while relevant
B. skills enhance its
C. education builds the
D. labour-market value
E. foundation of human

The following question gives a sentence which has been divided into five parts which may not be in their correct order of narrative. The sentence is then followed by five options, one of which gives the sequence of the rearranged parts to make the sentence meaningful. Choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence, mark option " No rearrangement required " as the answer.

- (a) CEADB
- (b) CEABD
- (c) DEABC
- (d) DCEBA
- (e) No rearrangement required

Ans.(b)

Q15. The newly opened (A)/ mall attracts thousand (B)/ of visitors every (C)/ weekend without fail. (D)

The sentence is divided into four segments: (A), (B), (C), and (D). Identify the segment that contains a grammatical error. If the sentence is both grammatically and contextually correct, select "No error" as the correct answer.

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

Ans.(b)

- Q16.** A. the Silk Road
B. across three continents for
C. over a thousand years
D. historians argue that
E. connected merchants

The following question gives a sentence which has been divided into five parts which may not be in their correct order of narrative. The sentence is then followed by five options, one of which gives the sequence of the rearranged parts to make the sentence meaningful. Choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence, mark option " No rearrangement required " as the answer.

- (a) ACBED
- (b) BEACD
- (c) DAEB C
- (d) CAEBD
- (e) No rearrangement required

Ans.(c)

Q17. The treaty expedited the process of securing the fugitive's extradition from the offshore jurisdiction.

In the following sentence, four words have been highlighted which may be misspelt or inappropriate in their usage. Mark the erroneous word as your answer and if all the words are correct in their spellings and usage, choose 'All are correct' as the answer.

- (a) expedited
- (b) securing
- (c) extradition
- (d) offshore
- (e) All are correct

Ans.(c)

Q18. The debtor began to waveir in his commitment once the guarantor obligations were enforced. In the following sentence, four words have been highlighted which may be misspelt or inappropriate in their usage. Mark the erroneous word as your answer and if all the words are correct in their spellings and usage, choose 'All are correct' as the answer.

- (a) debtor
- (b) waveir
- (c) commitment
- (d) guarantor
- (e) All are correct

Ans.(b)

Q19. The officer instructed all deponents to give forthright and strait answers without circumlocution. In the following sentence, four words have been highlighted which may be misspelt or inappropriate in their usage. Mark the erroneous word as your answer and if all the words are correct in their spellings and usage, choose 'All are correct' as the answer.

- (a) deponents
- (b) forthright
- (c) strait
- (d) circumlocution
- (e) All are correct

Ans.(c)

Q20. Juresdiction over maritime disputes rests with specialised admiralty courts operating under federal statute.

In the following sentence, four words have been highlighted which may be misspelt or inappropriate in their usage. Mark the erroneous word as your answer and if all the words are correct in their spellings and usage, choose 'All are correct' as the answer.

- (a) Juresdiction
- (b) disputes
- (c) admiralty
- (d) federal
- (e) All are correct

Ans.(a)

Q21. The weather was too cold for us to go for a walk in the evening.

In the question below, a part is highlighted in bold, which may not be grammatically correct. Choose the correct alternative for the highlighted part to make the sentence grammatically correct.

- (a) so cold for us to go
- (b) too cold that we cannot go
- (c) cold enough for us to go
- (d) so cold that we could go
- (e) No replacement required

Ans.(e)

Q22. (I) The athlete had been training rigorously for the national championship

(II) She could not participate due to an unexpected knee injury

In the question below, two sentences are given which are grammatically correct and meaningful. Connect them with the most suitable word given below the statements in the best possible way without changing the intended meaning. Choose the answer accordingly from the options given to form a correct, coherent sentence.

- (a) so
- (b) hence
- (c) moreover
- (d) however
- (e) since

Ans.(d)

Q23. All candidates were required to complete the registration form prior to submitting their application documents to the recruitment cell of the organisation.

In the following question, a section of the sentence has been highlighted. If the sentence is grammatically and contextually incorrect, the error lies in the highlighted part and the correct substitution for that part is to be chosen from among the given options. If the sentence is correct, mark option "No improvement required" as the answer.

- (a) prior to submit
- (b) before to submitting
- (c) prior for submitting
- (d) prior of submitting
- (e) No improvement required

Ans.(e)

Q24. It is the director himself who have approved the revised budget proposal for the upcoming infrastructure project in the northern region.

In the following question, a section of the sentence has been highlighted. If the sentence is grammatically and contextually incorrect, the error lies in the highlighted part and the correct substitution for that part is to be chosen from among the given options. If the sentence is correct, mark option "No improvement required" as the answer.

- (a) who has approved
- (b) who had been approving
- (c) whom has approved
- (d) who approved of
- (e) No improvement required

Ans.(a)

Q25. The organisation launched a dedicated helpline for senior citizens in addition of the existing welfare programmes already being run by the state government.

In the following question, a section of the sentence has been highlighted. If the sentence is grammatically and contextually incorrect, the error lies in the highlighted part and the correct substitution for that part is to be chosen from among the given options. If the sentence is correct, mark option "No improvement required" as the answer.

- (a) in addition for
- (b) in additionally to
- (c) in addition to
- (d) in addition with
- (e) No improvement required

Ans.(c)

Q26. Who among the following sits fourth to the left of O?

Study the following information carefully and answer the questions given below.

Seven persons- M, N, O, P, Q, R and S sit in a linear row and facing the north but not necessarily in the same order.

N sits second from one of the ends of the row. Only three persons sit between P and Q who doesn't sit at the end of the row. Only two persons sit between N and O. Q sits third to the left of M. S sits to the left of Q.

- (a) P
- (b) R
- (c) S
- (d) N
- (e) Q

Ans.(c)

Q27. How many persons sit between N and P?

Study the following information carefully and answer the questions given below.

Seven persons- M, N, O, P, Q, R and S sit in a linear row and facing the north but not necessarily in the same order.

N sits second from one of the ends of the row. Only three persons sit between P and Q who doesn't sit at the end of the row. Only two persons sit between N and O. Q sits third to the left of M. S sits to the left of Q.

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

Ans.(e)

Q28. Who among the following sits to the immediate right of M?

Study the following information carefully and answer the questions given below.

Seven persons- M, N, O, P, Q, R and S sit in a linear row and facing the north but not necessarily in the same order.

N sits second from one of the ends of the row. Only three persons sit between P and Q who doesn't sit at the end of the row. Only two persons sit between N and O. Q sits third to the left of M. S sits to the left of Q.

- (a) Q
- (b) R
- (c) N
- (d) P
- (e) O

Ans.(d)

Q29. Which among the following statement(s) is/are true?

I. M is the only neighbor of P

II. Even number of persons sits to the left of R

III. Q sits adjacent to N

Study the following information carefully and answer the questions given below.

Seven persons- M, N, O, P, Q, R and S sit in a linear row and facing the north but not necessarily in the same order.

N sits second from one of the ends of the row. Only three persons sit between P and Q who doesn't sit at the end of the row. Only two persons sit between N and O. Q sits third to the left of M. S sits to the left of Q.

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

Ans.(d)

Q30. As many persons sit between N and R as between S and ____.

Study the following information carefully and answer the questions given below.

Seven persons- M, N, O, P, Q, R and S sit in a linear row and facing the north but not necessarily in the same order.

N sits second from one of the ends of the row. Only three persons sit between P and Q who doesn't sit at the end of the row. Only two persons sit between N and O. Q sits third to the left of M. S sits to the left of Q.

- (a) P
- (b) Q
- (c) R
- (d) O
- (e) M

Ans.(b)

Q31. Statements: $E \leq Y = B \leq N$; $B \geq W < X \geq P$

Conclusions: I. $N > W$

II. $X > Y$ In this question, the relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer:

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or II is true
- (d) If both conclusions I and II are true
- (e) If neither conclusion I nor II is true

Ans.(e)

Q32. In these questions, the relationship between different elements is shown in the statements. The statements are followed by two conclusions numbered I and II. Read the statements and give the answer.

Statements: $J \geq L > M$; $K \geq N = L < P$

Conclusions: I. $K < J$ II. $P > M$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or II is true
- (d) If neither conclusion I nor II is true
- (e) If both conclusions I and II are true

Ans.(b)

Q33. In a certain code, "PLANT" is coded as "NRCVP" and "BLOOM" is coded as "NDQOQ", then what will be the code for the word "FRUIT"?

- (a) THWUK
- (b) TGUHS
- (c) THWVK
- (d) HVTJT
- (e) None of these

Ans.(c)

Q34. How is E related to H?

Study the information carefully and answer the questions given below.

A is the father of H. I is the sister of B. D is the only son of B. G is the brother-in-law of B. C is the grandmother of E. G has no child. B is the daughter-in-law of C. H has no siblings. There is no single parent in the family.

- (a) Son
- (b) Neice
- (c) Daughter
- (d) Nephew
- (e) Sister

Ans.(c)

Q35. How many female members are there in the family?

Study the information carefully and answer the questions given below.

A is the father of H. I is the sister of B. D is the only son of B. G is the brother-in-law of B. C is the grandmother of E. G has no child. B is the daughter-in-law of C. H has no siblings. There is no single parent in the family.

- (a) Three
- (b) Five
- (c) Can't be determined
- (d) Two
- (e) Four

Ans.(e)

Q36. Which among the following pair of persons are married?

Study the information carefully and answer the questions given below.

A is the father of H. I is the sister of B. D is the only son of B. G is the brother-in-law of B. C is the grandmother of E. G has no child. B is the daughter-in-law of C. H has no siblings. There is no single parent in the family.

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

Ans.(d)

Q37. Which of the following combination is/are true?

Study the following information carefully and answer the questions given below:

Six friends—A, B, C, D, E, and F goes to school one after the other. Each friend is carrying a different coloured bag: Red, Blue, Green, Orange, Black, and White.

Not more than two persons goes after D. Only one person goes between D and the one who has white bag. C goes immediately after the one who has white bag and two persons before the one who has orange bag. As many persons goes before E as after the one who has orange bag. B goes two persons before the one who has blue bag. Two persons goes between the ones who blue and black bags. E and D doesn't have a black and green bag. A and D doesn't have black and red bag.

- (a) C- Blue
- (b) B- Green
- (c) A- Black
- (d) F- Black
- (e) E- White

Ans.(d)

Q38. Who among the following person has blue bag?

Study the following information carefully and answer the questions given below:

Six friends—A, B, C, D, E, and F goes to school one after the other. Each friend is carrying a different coloured bag: Red, Blue, Green, Orange, Black, and White.

Not more than two persons goes after D. Only one person goes between D and the one who has white bag. C goes immediately after the one who has white bag and two persons before the one who has orange bag. As many persons goes before E as after the one who has orange bag. B goes two persons before the one who has blue bag. Two persons goes between the ones who blue and black bags. E and D doesn't have a black and green bag. A and D doesn't have black and red bag.

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

Ans.(e)

Q39. How many persons goes to the school after F?

Study the following information carefully and answer the questions given below:

Six friends—A, B, C, D, E, and F goes to school one after the other. Each friend is carrying a different coloured bag: Red, Blue, Green, Orange, Black, and White.

Not more than two persons goes after D. Only one person goes between D and the one who has white bag. C goes immediately after the one who has white bag and two persons before the one who has orange bag. As many persons goes before E as after the one who has orange bag. B goes two persons before the one who has blue bag. Two persons goes between the ones who blue and black bags. E and D doesn't have a black and green bag. A and D doesn't have black and red bag.

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

Ans.(a)

Q40. Who among the following person goes to the school after B?

Study the following information carefully and answer the questions given below:

Six friends—A, B, C, D, E, and F goes to school one after the other. Each friend is carrying a different coloured bag: Red, Blue, Green, Orange, Black, and White.

Not more than two persons goes after D. Only one person goes between D and the one who has white bag. C goes immediately after the one who has white bag and two persons before the one who has orange bag. As many persons goes before E as after the one who has orange bag. B goes two persons before the one who has blue bag. Two persons goes between the ones who blue and black bags. E and D doesn't have a black and green bag. A and D doesn't have black and red bag.

- (a) The one who has orange bag
- (b) C
- (c) E
- (d) The one who has red colour bag

(e) Both [a] and [b]

Ans.(e)

Q41. . Who among the following is the third person to go to school and has which colour bag?

Study the following information carefully and answer the questions given below:

Six friends—A, B, C, D, E, and F goes to school one after the other. Each friend is carrying a different coloured bag: Red, Blue, Green, Orange, Black, and White.

Not more than two persons goes after D. Only one person goes between D and the one who has white bag. C goes immediately after the one who has white bag and two persons before the one who has orange bag. As many persons goes before E as after the one who has orange bag. B goes two persons before the one who has blue bag. Two persons goes between the ones who blue and black bags. E and D doesn't have a black and green bag. A and D doesn't have black and red bag.

- (a) C- Blue
- (b) B- Green
- (c) B- White
- (d) C- Green
- (e) F- Black

Ans.(c)

Q42. How many pairs of digits are in the number 3751928', each of which have as many digits between them (both forward and backward direction) as they have between them in the number series?

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

Ans.(b)

Q43. Statements: Only a few flowers are roses.

Some roses are not white.

All white are beautiful.

Conclusions:

- I. Some flowers being white is a possibility.
- II. Some roses are beautiful.
- III. No flower is beautiful.

In this question, some statements are given followed by three conclusions, numbered I, II and III. 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. Give answer:

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

Ans.(e)

Q44. Statements:

Only a few Kite are Glass.

Only Glass is Fibre.

Only few Chair are Glass.

Conclusions:

I. Some Fibre are not Kite

II. All Chair being glass is a possibility

III. No chair is kite

In the question below, some statements are given followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer:

(a) Both I and III follows

(b) Only II follows

(c) All follow

(d) Both II and III follows

(e) Only I follows

Ans.(e)

Q45. In the word 'EMBRYONIC', the letters before Y are interchanged with their immediate succeeding letter and the letters after Y are interchanged with their immediate preceding letter (as per alphabetical series) and Y will remain same, then rearrange all new letters alphabetically, now find which letter is 4th from the right end?

(a) H

(b) M

(c) N

(d) S

(e) F

Ans.(c)

Q46. Who sits exactly between P and T?

Study the following information carefully and answer the questions given below:

Eight persons P, Q, R, S, T, U, V and W are sitting around a circular table but not necessarily in the same order. Three of them are facing outside the circle and five of them facing inside the circle.

Three persons are sitting between P and Q. R is sitting third to the right of P who is not facing the center. S is sitting third to the right of T who is not facing the center. U is sitting third to the right of V. P is sitting third to the left of U.

(a) W

(b) S

(c) U

(d) V

(e) Q

Ans.(a)

Q47. Who among the following sits second to the right of Q?

Study the following information carefully and answer the questions given below:

Eight persons P, Q, R, S, T, U, V and W are sitting around a circular table but not necessarily in the same order. Three of them are facing outside the circle and five of them facing inside the circle.

Three persons are sitting between P and Q. R is sitting third to the right of P who is not facing the center. S is sitting third to the right of T who is not facing the center. U is sitting third to the right of V. P is sitting third to the left of U.

- (a) T
- (b) V
- (c) S
- (d) W
- (e) P

Ans.(b)

Q48. How many persons sit between S and T when counted from the right of S?

Study the following information carefully and answer the questions given below:

Eight persons P, Q, R, S, T, U, V and W are sitting around a circular table but not necessarily in the same order. Three of them are facing outside the circle and five of them facing inside the circle.

Three persons are sitting between P and Q. R is sitting third to the right of P who is not facing the center. S is sitting third to the right of T who is not facing the center. U is sitting third to the right of V. P is sitting third to the left of U.

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

Ans.(a)

Q49. What is the position of T with respect to P?

Study the following information carefully and answer the questions given below:

Eight persons P, Q, R, S, T, U, V and W are sitting around a circular table but not necessarily in the same order. Three of them are facing outside the circle and five of them facing inside the circle.

Three persons are sitting between P and Q. R is sitting third to the right of P who is not facing the center. S is sitting third to the right of T who is not facing the center. U is sitting third to the right of V. P is sitting third to the left of U.

- (a) Second to the left
- (b) Second to the right
- (c) Sixth to the left
- (d) Sixth to the right
- (e) Both (a) and (d)

Ans.(e)

Q50. Four of the following five are alike in a certain way and thus form a group. Find the one which doesn't belong to the group?

Study the following information carefully and answer the questions given below:

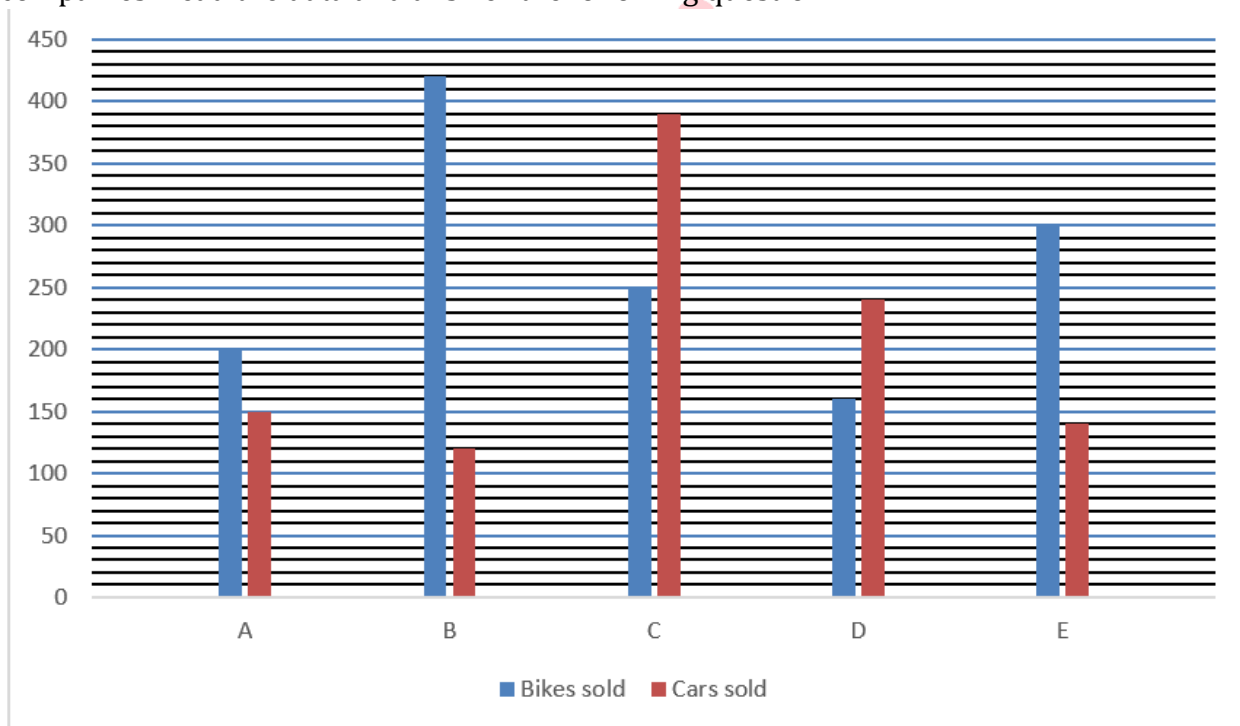
Eight persons P, Q, R, S, T, U, V and W are sitting around a circular table but not necessarily in the same order. Three of them are facing outside the circle and five of them are facing inside the circle.

Three persons are sitting between P and Q. R is sitting third to the right of P who is not facing the center. S is sitting third to the right of T who is not facing the center. U is sitting third to the right of V. P is sitting third to the left of U.

- (a) U
- (b) S
- (c) V
- (d) W
- (e) R

Ans.(c)

Directions (51-55): The bar graph given below shows the total number of bike and car sold by five companies. Read the data and answer the following question.



Q51. Find the ratio of bikes sold by A and B together to cars sold by D.

- (a) 7:9
- (b) 13:12
- (c) 12:13
- (d) 61:62
- (e) 31:12

Ans.(e)

Q52. If the ratio of sold to unsold bikes in D is 1:2, then find the total (sold + unsold) bikes in D

- (a) 420
- (b) 480
- (c) 400
- (d) 450
- (e) 410

Ans.(b)

Q53. Out of the total Cars sold by B, 25% of the cars are defective. Find the non-defective cars sold by B is what percentage of total bike sold by C.

- (a) 37%
- (b) 33%
- (c) 31%
- (d) 26%
- (e) 36%

Ans.(e)

Q54. Average number of bikes sold by all the companies.

- (a) 266
- (b) 113
- (c) 166
- (d) 176
- (e) 196

Ans.(a)

Q55. If company F sold 20% more bikes than A and 30% less cars than E, then find the sum of total number of bikes and cars sold by F

- (a) 266
- (b) 333
- (c) 366
- (d) 376
- (e) 338

Ans.(e)

Q56. Find the graduated boys in A and B.

Read the information and answer the following question.

The information is about the boys and girls in two colleges A and B. The ratio of girls in A and B is 2:1. Boys in A is 50, which is 25% of the girls in that college. Total boys in both the colleges is 50 less than total girls. 25% of the girls in A are post graduates and remaining are graduates and total post graduate students in A are 90 . Total graduate students in both the colleges is 200. ratio of graduate girls to graduate boys in B is 1:1. (total students = girl + boy, girl/boys = post graduated + graduated)

- (a) 10
- (b) 20
- (c) 30
- (d) 40

(e) 50

Ans.(c)

Q57. Graduated girls in B are what percentage of graduate boys in A?

Read the information and answer the following question.

The information is about the boys and girls in two colleges A and B. The ratio of girls in A and B is 2:1. Boys in A is 50, which is 25% of the girls in that college. Total boys in both the colleges is 50 less than total girls. 25% of the girls in A are post graduates and remaining are graduates and total post graduate students in A are 90 . Total graduate students in both the colleges is 200. ratio of graduate girls to graduate boys in B is 1:1. (total students = girl + boy, girl/boys = post graduated + graduated)

(a) 125

(b) 126

(c) 100

(d) 200

(e) 150

Ans.(d)

Q58. Find the difference between graduate and post graduate students in both the schools.

Read the information and answer the following question.

The information is about the boys and girls in two colleges A and B. The ratio of girls in A and B is 2:1. Boys in A is 50, which is 25% of the girls in that college. Total boys in both the colleges is 50 less than total girls. 25% of the girls in A are post graduates and remaining are graduates and total post graduate students in A are 90 . Total graduate students in both the colleges is 200. ratio of graduate girls to graduate boys in B is 1:1. (total students = girl + boy, girl/boys = post graduated + graduated)

(a) 125

(b) 126

(c) 100

(d) 200

(e) 150

Ans.(e)

Q59. The average age of 8 students is 18 years. If the ages of two students, whose ages are 16 years and 20 years, are replaced by two new students, the average age of the group increases by 2 years. If the age of one new student is 4 years more than the age of the other, find the age of the younger new student.

(a) 22 years

(b) 23 years

(c) 24 years

(d) 25 years

(e) 26 years

Ans.(c)

Q60. A shopkeeper marks an article 50% above its cost price. He offers two successive discounts of 20% and 10% on the marked price and earns a profit of Rs 32. If he instead offers a single discount of 20% on the same marked price, what would be his profit?

- (a) Rs 60
- (b) Rs 70
- (c) Rs 80
- (d) Rs 90
- (e) Rs 100

Ans.(c)

Q61. A, B and C started a business together. A invested Rs 5,000 for 12 months, while B invested Rs 8,000 for 12 months. C joined the business after 8 months with an investment of Rs X. If the total profit earned at the end of the year was Rs 5,600 and A received Rs 1,750 as his share of the profit, find the value of X.

- (a) 6,000
- (b) 7,000
- (c) 8,000
- (d) 9,000
- (e) 10,000

Ans.(d)

Q62. The numerator and denominator of a fraction are in the ratio 5 : 7. If 1 is added to the numerator and 1 is subtracted from the denominator, the resulting fraction becomes $\frac{3}{4}$. Find the product of the numerator and denominator.

- (a) 1715
- (b) 1615
- (c) 1815
- (d) 1515
- (e) 1915

Ans.(a)

Q63. A train moving at 72 km/h crosses a man walking in the same direction at 12 km/h in 24 seconds. If the man instead walks in the opposite direction at 8 km/h, how much time will the train take to cross him?

- (a) 18 seconds
- (b) 20 seconds
- (c) 22 seconds
- (d) 24 seconds
- (e) 26 seconds

Ans.(a)

Q64. A person spends 12% of his monthly income on food and 18% of the remaining amount on travelling. He then spends 25% of the amount left after travelling on rent. If he saves Rs 21,648 per month, find his monthly income.

- (a) Rs 32,000

- (b) Rs 35,000
- (c) Rs 40,000
- (d) Rs 42,000
- (e) Rs 44,000

Ans.(c)

Q65. A man invested Rs P at 10% p.a. compound interest for 2 years and received amount of Rs 5,445. If he had invested Rs (P + 800) at 20% p.a. compound interest for 3 years, then find the compound interest earned in 3 years.

- (a) Rs 3858.4
- (b) Rs 3554.2
- (c) Rs 3124.6
- (d) Rs 3778.4
- (e) Rs 3864.1

Ans.(a)

Q66. 76, 80, 400, 406, 2840, 2850, 25650

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 76
- (b) 80
- (c) 400
- (d) 2840
- (e) 2850

Ans.(d)

Q67. 43, 45, 51, 63, 81, 113, 155

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 43
- (b) 51
- (c) 63
- (d) 81
- (e) 155

Ans.(d)

Q68. 13, 180, 303, 384, 433, 458, 467

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 303
- (b) 13
- (c) 180
- (d) 384
- (e) 458

Ans.(c)

Q69. 8, 12, 44, 86, 260, 518, 1556

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 8
- (b) 44
- (c) 86
- (d) 260
- (e) 12

Ans.(e)

Q70. 12, 30, 15, 45, 22.5, 67.5, 33.75

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 12
- (b) 30
- (c) 15
- (d) 45
- (e) 22.5

Ans.(a)

Q71. What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

$$21.02^2 + \frac{19}{23} \times 45.99 + 1.01 = \sqrt{?} \times 30$$

- (a) 196
- (b) 484
- (c) 256
- (d) 144
- (e) None of these

Ans.(c)

Q72. What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

$$\frac{19.09}{80.02} \times \frac{399}{20.1} = ? - 0.40 \times 299$$

- (a) 110
- (b) 125
- (c) 85
- (d) 235
- (e) 335

Ans.(b)

Q73.

$$\frac{3.011}{4.99} \times \frac{9.021}{19.03} \times ? \times 64.99 = (11.023)^3 + 72.989$$

What approximate value should come in place of the question mark (?) in the following questions?

- (a) 76
- (b) 85
- (c) 82
- (d) 71
- (e) 88

Ans.(a)

Q74.

$$(14.99)^2 - (7.01)^2 + (4.99)^3 = ?$$

Find the approximate value of question marks (?) in following questions?

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

Ans.(d)

Q75.

$$\sqrt{144.04} \times 15\% \text{ of } 120.09 = ? - 54.99 \times 3.03$$

What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value)

- (a) 401
- (b) 431
- (c) 341
- (d) 471
- (e) 381

Ans.(e)

Q76. An e-commerce website becomes slow when the same product is accessed repeatedly. Which of the following can directly improve its efficiency?

- (a) Caching repeatedly accessed data
- (b) DNS records are continuously cached
- (c) HTTP transferred to FTP
- (d) Increasing database table scans
- (e) Session request storage

Ans.(a)

Q77. Which of the following RAID levels uses both disk striping and mirroring and requires a minimum of four disks?

- (a) RAID 0
- (b) RAID 5
- (c) RAID 6
- (d) RAID 10
- (e) RAID 1

Ans.(d)

Q78. Which of the following correctly shows the order of a binary tree traversal?

- (a) Pre-order: Left → Root → Right
- (b) Post-order: Root → Left → Right
- (c) In-order: Left → Root → Right
- (d) Level-order: Left → Right → Root
- (e) Reverse In-order: Root → Left → Right

Ans.(c)

Q79. Which protocol is used to convert an IPv4 address into its corresponding MAC address?

- (a) Dynamic Host Configuration Protocol
- (b) Address Resolution Protocol
- (c) Domain Name System
- (d) Internet Control Message Protocol
- (e) Open Shortest Path First

Ans.(b)

Q80. Which of the following page replacement algorithms replaces the page that has not been used for the longest period of time?

- (a) FIFO
- (b) Optimal
- (c) Random
- (d) NRU
- (e) LRU

Ans.(e)

Q81. Which of the following is not a right under the DPDP Act, 2023?

- (a) Right to access information
- (b) Right to erasure of data
- (c) Right to grievance redressal
- (d) Right to nominate
- (e) Right to transfer data

Ans.(e)

Q82. Which of the following cryptographic algorithms uses the same key for both encryption and decryption?

- (a) Diffie–Hellman Key Exchange
- (b) Advanced Encryption Standard
- (c) Rivest–Shamir–Adleman Algorithm
- (d) Elliptic Curve Digital Signature Algorithm
- (e) Shortest Path Algorithms

Ans.(b)

Q83. What is the primary purpose of a B+ Tree?

- (a) Improving insertion, update, and deletion
- (b) Efficient indexing
- (c) Hashing data
- (d) Data compression
- (e) Data encryption

Ans.(b)

Q84. A network is divided into smaller segments to isolate different groups of systems and control communication between them. What is the major benefit of network segmentation?

- (a) Reduces the impact of security breaches
- (b) Eliminates the need for authentication
- (c) Increases the number of security vulnerabilities
- (d) Allows unrestricted communication between all devices
- (e) Removes the need for network monitoring

Ans.(a)

Q85. A computer has a 32-bit address bus and byte-addressable memory. What is the maximum memory that can be directly addressed?

- (a) 2 GB
- (b) 4 GB
- (c) 8 GB
- (d) 16 GB
- (e) 32 GB

Ans.(b)

Q86. Which of the following port numbers is associated with the DNS?

- (a) 443
- (b) 25
- (c) 53
- (d) 80
- (e) 110

Ans.(c)

Q87. In SQL, which of the following combines the results of two queries and removes duplicate rows from the result?

- (a) INTERSECT
- (b) INTERSECT ALL
- (c) UNION
- (d) UNION ALL
- (e) DISTINCT

Ans.(c)

Q88. Consider the following page reference string with three frames:

7, 2, 1, 0, 2, 0, 4, 3

Using the FIFO page replacement algorithm, how many page faults will occur?

- (a) 4
- (b) 5
- (c) 6
- (d) 7
- (e) 8

Ans.(c)

Q89. Which of the following is used by a Linux administrator for executing commands and managing the system?

- (a) Bash Shell
- (b) PowerShell
- (c) TypeScript
- (d) Command Prompt
- (e) Windows Terminal

Ans.(a)

Q90. In Linux, what is the primary purpose of the /etc directory?

- (a) System configuration files
- (b) User home directories
- (c) Temporary system files
- (d) Device-related information
- (e) Executable program files

Ans.(a)

Q91. In banking, what is the primary role of KYC?

- (a) Verifying customer identity to prevent financial threats
- (b) Assessing customer income to determine credit eligibility
- (c) Monitoring account activity to improve transaction efficiency
- (d) Collecting customer data to provide personalized banking services
- (e) Evaluating customer records to determine suitable investment options

Ans.(a)

Q92. Quantum computing is used in modern cryptography. What is the basic unit of quantum information?

- (a) Qbit
- (b) Qubit
- (c) Qbyte
- (d) FLOPS
- (e) MB

Ans.(b)

Q93. A neural model achieves 100% accuracy on the training data but performs poorly when evaluated on unseen data. What is the most likely reason?

- (a) Underfitting
- (b) Overfitting
- (c) Vanishing gradient
- (d) Exploding gradient
- (e) Gradient descent

Ans.(b)

Q94. In which cloud service model does the provider deliver the complete application to manage?

- (a) IaaS
- (b) PaaS
- (c) SaaS
- (d) FaaS
- (e) CaaS

Ans.(c)

Q95. In an Agile framework, Sprints, Product Backlog, and frequent deployment are key characteristics. Which software development framework is being described?

- (a) Waterfall Model
- (b) Spiral Model
- (c) V-Model
- (d) Scrum
- (e) RAD Model

Ans.(d)

Q96. In a binary truth table, how many possible input combinations are there for four Boolean input variables?

- (a) 8
- (b) 12
- (c) 16
- (d) 24
- (e) 32

Ans.(c)

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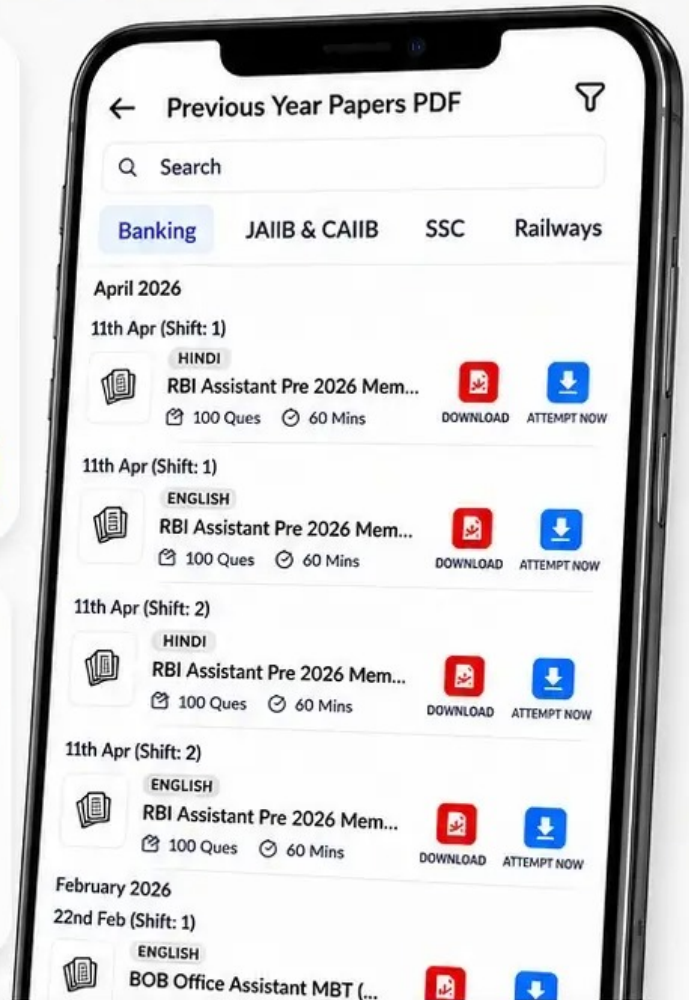
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Q97. What is the purpose of polymorphism in Object-Oriented Programming?

- (a) Allowing a subclass to acquire properties and methods of a superclass
- (b) Allowing the same operator or function to be used in different ways
- (c) Allowing a class to inherit different properties from other classes
- (d) Allowing objects to hide their internal data from other classes
- (e) Allowing multiple objects to share the same class characteristics

Ans.(b)

Q98. If no access specifier is explicitly mentioned in a C++ class, what is the default access level?

- (a) Public
- (b) Private
- (c) Protected
- (d) Internal
- (e) Inherited

Ans.(b)

Q99. Which keyword is used to define a generator in Python?

- (a) return
- (b) yield
- (c) generate
- (d) produce
- (e) iterator

Ans.(b)

Q100. In Java, which keyword is used for a variable whose value cannot be changed after initialization?

- (a) static
- (b) final
- (c) const
- (d) fixed
- (e) immutable

Ans.(b)