

REASONING

1. In a certain code language, 'FROST' is written as 'EQPRS' and 'POLES' is written as 'ONMDR', then how is 'EIGHT' written in the same code language?

- (1) FHHGU (2) DHFGS
(3) FHFSGS (4) DHHGS
(5) DHFSU

2. The position/s of how many digits will remain same if the digits in the number 3546871 are rearranged in ascending order within the number?

- (1) Three
(2) More than three
(3) None
(4) Two
(5) One

Directions (3-5) : In each of the following questions, relationship between different elements is shown in the statements. The statements are followed by two Conclusions numbered I and II. Study the Conclusions based on the given statement and select the appropriate answer.

Give answer (1) if neither Conclusion I nor Conclusion II is true

Give answer (2) if either Conclusion I or Conclusion II is true

Give answer (3) if both the Conclusion I and Conclusion II are true

Give answer (4) if only Conclusion I is true

Give answer (5) if only Conclusion II is true

3. Statements :

$$P \leq L = M < N \leq H; M > T$$

Conclusions :

- I. $P < T$
II. $H < L$

4. Statements

$$G > E \geq S = U \leq X; P \leq S > N$$

Conclusions :

- I. $G > N$
II. $P \leq X$

5. Statements :

$$Z \geq X \geq C > V = B < N \leq Q$$

Conclusions :

- I. $Z > B$
II. $C < Q$

Directions (6-9) : Study the following information carefully and answer the questions given below :

Eleven people- A, B, C, D, E, P, Q, R, S, T and U live on different floors of an eleven storeyed building. The lowermost floor is numbered one, the one above that is numbered two and so on until the topmost floor of the building is numbered eleven. Only one person lives on each floor.

P lives on an odd numbered floor below floor number five. Only three people live between P and Q. Only two people live between Q and R. R does not live immediately above P. Only two people live between R and A. As many people live between A and B as between B and P. Only one person lives between B and C. S lives on one of the floors below C. Only four people live between S and T. D lives on one of the floors above T. E lives on one of the floors above U but not on floor number ten.

6. As per the given arrangement, who amongst the following lives on a floor immediately below B?

- (1) R (2) P
(3) T (4) Q
(5) U

7. As per the given arrangement, A is related to R in the same way as D is related to T following a certain pattern. Who is related to B following the same pattern?

- (1) R (2) U
(3) C (4) E
(5) P

8. Which of the following statements is true as per the given arrangement?

- (1) As many people live between D and R as between R and B.
(2) None of the given statements is true.
(3) T does not live on a floor immediately above B.
(4) Only two people live between P and U.
(5) D lives on one of the floors above A.

9. As per the given arrangement, who amongst the following lives on floor number eight?

- (1) C (2) U
(3) R (4) Q
(5) E

Directions (10-13) : In each of the following questions, two statements followed by two Conclusions numbered I and II have been given. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given Conclusions logically follows from the given statements.

Give answer (1) if neither Conclusion I nor Conclusion II follows

Give answer (2) if either Conclusion I or Conclusion II follows

Give answer (3) if both the Conclusion I and Conclusion II follow

Give answer (4) if only Conclusion I follows

Give answer (5) if only Conclusion II follows

10. Statements :

Some dusks are seeds.
Some trams are seeds.

Conclusions :

- I. Atleast some seeds are trams.
- II. Some dusks are definitely not trams.

11. Statements :

All posts are cards.
All stamps are cards.

Conclusions :

- I. All stamps can never be posts.
- II. Atleast some cards are posts.

12. Statements :

Some drains are storms.
No storm is a dust.

Conclusions :

- I. Some dusts are definitely not drains.
- II. All drains can never be dusts.

13. Statements :

All collars are ties.
Some ties are pants.

Conclusions :

- I. No pant is a collar.
- II. Atleast some collars are pants.

Directions (14-15) : Study the following information carefully and answer the questions given below :

Point B is 20 metre to the west of Point A. Point C is 10 metre to the south of Point B. Point D is 5 metre to the east of Point C. Point E is 5 metre to the North of Point D. Point E is 10 metre to the east of Point F.

14. In which direction is point B with respect to point F?

- (1) East
- (2) North-east
- (3) North
- (4) North-west
- (5) West

15. If point G is the midpoint of straight line BC, then what is the distance between point G and point F?

- (1) 10 metre
- (2) 20 metre
- (3) 15 metre
- (4) 25 metre
- (5) 5 metre

Directions (16-20) : Study the following arrangement carefully and answer the questions given below :

@ R 4 # W C 6 π & B 3
γ P T 2 Q U 9 7 □ F M 5
+ © A S 8 Σ K ♥

16. If all the symbols are dropped from the given arrangement, which one of the following will be the twelfth element from the right end of the given arrangement?

- (1) T
- (2) 9
- (3) P
- (4) Q
- (5) 2

17. How many such numbers are there in the given arrangement each of which is immediately followed by a symbol and immediately preceded by a letter?

- (1) More than four
- (2) Two
- (3) Four
- (4) Three
- (5) One

18. How many letters are there in the given arrangement between the seventh element from the left end and ninth element from the right end of the given arrangement?

- (1) Nine
- (2) Seven
- (3) Ten
- (4) Six
- (5) Eight

19. Which of the following is the seventh element to the left of the sixteenth element from the left end of the given arrangement?

- (1) 5
- (2) B
- (3) &
- (4) π
- (5) M

20. What should come in place of the (?) in the following series based on the given arrangement?

- @♥R #ΣW 6Sπ BC3
- (1) P + Q
 - (2) PST
 - (3) γ + P
 - (4) P5T
 - (5) T52

Directions (21-25): Study the following information carefully and answer the questions given below :

Six people are sitting in a straight line. Only two of them are facing south, rest all are facing north.

R sits third from one of the extreme ends of the line. S sits third to the right of R. T sits to the immediate right of S. Immediate neighbours of T face opposite directions. Only two people sit between T and W. X sits third to the right of Y. Y faces a direction opposite to that of his immediate neighbour.

21. Who amongst the following is/are the immediate neighbour/s of X?

- (1) Only W
- (2) Both R and S
- (3) Both S and W
- (4) Both T and R
- (5) Only T

22. Who amongst the following face south?

- (1) W and S
- (2) Y and T
- (3) X and R
- (4) R and S
- (5) W and X

23. How many people sit to the left of S?

- (1) One
- (2) More than three
- (3) Three
- (4) Two
- (5) None

24. Who sits second to the right of T?

- (1) W
- (2) No one, as less than two people sit to the right of T
- (3) R
- (4) S
- (5) Y

25. Which of the following statements is TRUE with respect to the given information?

- (1) R sits to the immediate right of W
- (2) None of the given statements is true
- (3) S faces south
- (4) R and Y are immediate neighbours of each other
- (5) T sits at one of the extreme ends of the line.

Directions (26-30) : Study the following information carefully and answer the questions given below :

Eight people - A, B, C, D, E, F, G and H - are sitting around a square table in such a way that four of them sit at corners while four sit in the middle of each of the four sides. The ones sitting in the middle of the sides are facing the centre and the ones sitting at the centre are facing outside (i.e. opposite to the centre).

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B sits in the middle of one of the sides of the table. Only two people sit between B and F (either from left or right). D sits to the immediate left of F. Only three people sit between C and G. C is not an immediate neighbour of D. H sits second to the right of C. A is an immediate neighbour of H. Only one person sits between A and E (either from left or right).

26. Who sits third to the right of E?

- (1) B
- (2) F
- (3) Other than those given as options
- (4) G
- (5) H

27. Which of the following statements is true as per the given arrangement?

- (1) Only three people sit between A and B
- (2) H sits at one of the corners of the table.
- (3) None of the given options is true.
- (4) B sits second to the left of D.
- (5) G is an immediate neighbour of F.

28. What is the position of A with respect to C?

- (1) Second to the left
- (2) Fourth to the left
- (3) Immediate right
- (4) Third to the left
- (5) Third to the right

29. Four of the following five are alike in a certain way based on their positions in the given arrangement and thus they form a group. Which one of the following does not belong to that group?

- (1) H
- (2) G
- (3) F
- (4) C
- (5) E

30. How many people sit between D and H when counted from the right of D?

- (1) Two
- (2) None
- (3) More than three
- (4) Three
- (5) One

Directions (31-38) : Read the following passage carefully and answer the given questions. Certain words/phrases are given in **bold** to help you locate them while answering some of the questions.

Young people still prefer curling up with a paper book over e-readers – even more so that their older counterparts-according to a study which **dispels** the stereotype that millennials are always hooked on technology. The study found that adult consumers across all age groups **perceive** ownership of e-books very differently than ownership of physical books. According to the same research, Psychological Ownership is important in people's perception of how they value certain products or services or objects. In the context of digital products, it is appropriate to look at how people take ownership of something that's not really there- it's just a file on your computer or device or in the Cloud, it's more of a concept than an actual thing. The findings of this research could have important implications for those in the business of selling digital texts.

To test this, researchers organised four focus groups in different age ranges. The researchers moderated discussions with the groups about their feelings surrounding ownership of physical books versus e-books. Participants across all age groups reported feeling a limited sense of ownership of digital books versus physical books, based on the fact that they do not have full control over the products. They said **restrictions** on sharing e-books with friends, or gifting or selling the books, made e-books feel less valuable as possessions than physical books. Because of these 'feelings' e-books feel more like renting than buying. Participants described being more emotionally attached to physical books and frequently spoke about their nostalgia for certain childhood books. They also talked about experiencing physical books through multiple senses for exam-

ple, the sound, smell and experience of opening a new book, and the ability to highlight or write notes on paper pages. While e-books did not have these associations, older consumers saw more advantages than younger consumers of reading with an e-reader. They referenced physical benefits that might not be as relevant to younger consumers, like the lightweight nature of e-readers and the ability to zoom in on text. According to the researchers almost everyone expressed strong attachment to physical books; saw the benefits of an e-reader yet no one embraced a fully digital reading experience.

31. Which of the following is the SAME in meaning as the word **DISPELS** as used in the passage?

- (1) allows
- (2) reforms
- (3) welcomes
- (4) utilises
- (5) quells

32. According to the passage, which of the following is/are the reasons for participants of the study preferring physical books to e-books?

- (A) Participants are emotionally attached to physical books using them to establish a sense of self.
- (B) No health problems such as discomfort or pain in the eyes on account of the backlight of e-books.
- (C) The ability to highlight and write notes on the pages of the books.
- (D) The resale value of physical books is much more than that of e-books.
 - (1) Only A and C
 - (2) Only B, C and D
 - (3) Only A and D
 - (4) Only A and B
 - (5) Only A

33. Which of the following is the SAME in meaning as the word **PERCEIVE** as used in the passage?

- (1) discern
- (2) misunderstand
- (3) ignore
- (4) misconstrue
- (5) overlook

34. What does the author want to convey through the phrase "e-books feel more like renting than buying"?

- (1) E-books are very expensive so it is always preferable to rent them instead of buying.
- (2) Majority of e-books are frequently not available and can be acquired only for certain period of time.
- (3) We can always make some extra money by renting e-books to other people.
- (4) None of those given as options.
- (5) The limits on sharing or gifting e-books makes one less attached to them as compared to physical books.

35. Which of the following is/are reasons for the focus group test mentioned in the passage?

- (1) To understand the preferred genre of fiction versus non-fiction books for different age groups.
- (2) All of those given as options.
- (3) To test the effect of increasing prices of physical books on different age groups.
- (4) To understand how people take psychological ownership of electronic books.
- (5) To understand the reasons for increasing demand of e-books.

36. Which of the following is/are the advantages of e-reader for older consumers mentioned in the passage?

- A. e-readers have the ability to focus on/ enlarge text thereby facilitating reading.
 - B. e-readers are lightweight and therefore easy to carry.
 - C. No chances of wear and tear at all.
- (1) Only A
 - (2) Only A and B
 - (3) All A, B and C
 - (4) Only B
 - (5) Only C

37. Which of the following is the **OPPOSITE** in meaning to the word **RESTRICTIONS** as used in the passage?

- (1) regulations
- (2) censorship
- (3) publications
- (4) freedom
- (5) dispute

38. According to the passage, the research mentioned will be of higher significance for which of the following businesses?

- (1) Curriculum framing bodies
- (2) Those working with the learning disabled
- (3) All of those given as options
- (4) Wholesale bookshop owners
- (5) Digital texts sellers

Directions (39-48) : In each of the following questions, a sentence has been divided into four parts denoted by (1), (2), (3) and (4). Read the sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Select that part as the answer. If there is no error, the answer is "No error". Ignore the errors of punctuation, if any.

39. Delivery drivers working on (A)/ contract for the company (B)/ are closely tracked and (C)/ monitored by a system (D). No Error (E)

- (1) (B) (2) (D)
- (3) (A) (4) (C)
- (5) No error

40. I accepted the job offer (A)/ made by Ram because (B)/ there was nothing of any better (C)/ coming my way (D). No error (E)

- (1) (C) (2) (D)
- (3) (A) (4) (B)
- (5) No error

41. The experts said that (A)/ the bombs used was of (B)/ primitive in nature and (C)/ contained high quantities of explosives (D). No Error (E)

- (1) (C) (2) (B)
- (3) (A) (4) (D)
- (5) No error

42. As soon as I get someone (A)/ by scan the photographs of (B)/ the function I will upload (C)/ them on our website (D). No Error (E).

- (1) (C) (2) (B)
- (3) (A) (4) (D)
- (5) No error

43. Never in my life did I imagine (A)/ that I would be able to (B)/ afford to been living (C)/ in such a fancy house (D). No Error (E)

- (1) (A) (2) (D)
- (3) (B) (4) (C)
- (5) No error

44. This is to let everyone know (A)/ that we will lend support (B)/ to any positive action taken (C)/ by the management in this matter (D). No Error (E)

- (1) No error (2) (D)
- (3) (B) (4) (A)
- (5) (C)

45. With its affordable and (A)/ attractive places to live, (B)/ Vienna is quick becoming (C)/ the international favourite (D). No Error (E)

- (1) (A) (2) (B)
- (3) (D) (4) (C)
- (5) No error

46. Reducing working hours (A)/ for the same pay increases (B)/ working life balance (C)/ and boost commitment (D). No Error (E)

- (1) (C) (2) (D)
- (3) (B) (4) (A)
- (5) No error

47. Digital campaigns to promote (A)/ lesser known tourist destinations (B)/ will be launched (C)/ shortly to attracting tourists (4). No Error (E)

- (1) (B) (2) (C)
- (3) (D) (4) (A)
- (5) No error

48. My company cannot (A)/ provide free healthcare (B)/ and life insurance benefits (C)/ to all of them employees (D). No Error (E)

- (1) (B) (2) (C)
- (3) (D) (4) (D)
- (5) No error

Directions (49-53) : In each of the following questions, four words denoted by (A), (B), (C) and (D) have been given in **bold**. One of these words (A), (B), (C) and (D) given in bold type may be **wrongly spelt or inappropriate** in the context of the sentence. Find out the word/ group of the words that is wrongly spelt or inappropriate, if any, that word is your answer. If all the words/ groups of words given in bold in the sentence are correctly spelt and appropriate in the context of the sentence, select 'All correct' as your answer.

49. The social housing **project (A)** has been **funded (B)** by **contributions (C)** from all **employed (D)** citizens.

- (1) (D) (2) (A)
(3) (B) (4) All correct
(5) (C)

50. A **tourism (A)** survey has **commenced (B)** and the **report (C)** will be **published (D)** in the next week.

- (1) (B) (2) (D)
(3) (A) (4) (C)
(5) All correct

51. Top **priority (A)** should be given to **restore (B)** the highways that **connection (C)** tourist **destinations (D)**.

- (1) (C) (2) (A)
(3) (B) (4) (D)
(5) All correct

52. He should **spend (A)** less time **complaining (B)** and **additional (C)** time doing something **productive (D)**.

- (1) (D) (2) (C)
(3) (A) (4) (B)
(5) All correct

53. Employees **designed (A)** a number of **innovations (B)** to work in a more **afficient (C)** **manner (D)**.

- (1) (A) (2) (B)
(3) (C) (4) (D)
(5) All correct

Directions (54-60) : In the given passage, there are blanks, each of which has been numbered. Against each, five words are suggested, one of which fits the blank appropriately. Find the appropriate word in each case.

In June 2019 the city will have **(A)** guests in the form of six Humboldt penguins that will be housed at the city's Science City. This breed of penguins stay on the seashore and settle next to the rocks. People will be able to see live penguins and they will be kept in an ecosystem.

(B) to the one in which they are found. Locals will not only be able to get a **(C)** of these beautiful South American natives waddling around in their natural habitat but also get to look at an **(D)** of sea creatures like sharks, jellyfish, otters and stingray. People will be able to walk through a **(E)** that will have more than 50 species of marine life floating above and around them in the aquatic gallery housed in the science city. In terms of scale and **(F)**, this project will be the first of its kind in India. While the authorities have already got permission from Central Zoo Authority for the aquatic gallery, they **(G)** to open it by next June to public.

54. Which of the following will replace (A) in the context of the passage?

- (1) single (2) largely
(3) minimum (4) unique
(5) differently

55. Which of the following will replace (B) in the context of the passage?

- (1) equals (2) likely
(3) actual (4) similar
(5) comparing

56. Which of the following will replace (C) in the context of the passage?

- (1) looks (2) pictures
(3) glimpse (4) pecking
(5) peeps

57. Which of the following will replace (D) in the context of the passage?

- (1) array (2) sequence
(3) range (4) assorted
(5) collected

58. Which of the following will replace (E) in the context of the passage?

- (1) tunnel (2) passages
(3) light (4) path ways
(5) systems

59. Which of the following will replace (F) in the context of the passage?

- (1) size (2) beyond
(3) amounts (4) rule
(5) extension

60. Which of the following will replace (G) in the context of the passage?

- (1) think (2) hope
(3) ponder (4) planning
(5) wants

Directions (61-65) : Rearrange the given FIVE sentences (A), (B), (C), (D) and (E) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

(A) Another, reason for weakened flow can be the declining snow-pack which has resulted in diminished water quality.

(B) It states that the average temperature in recent times in the area is constantly higher than usual.

(C) A worrying outcome of this unusual spike in temperatures has been a longer growing season which has curtailed the streams flows.

(D) Yellowstone park managers have released a report on how the changing climate is impacting the national park's key natural resources.

(E) These unusual impacts are not good for the ecosystem and also have negative consequences on wildlife.

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

- (1) C (2) E
(3) A (4) B
(5) D

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

- (1) C (2) E
(3) A (4) B
(5) D

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

- (1) C (2) E
(3) A (4) B
(5) D

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

- (1) C (2) E
(3) A (4) B
(5) D

65. Which of the following should be the last **FIFTH** sentence after the rearrangement?

- (1) C (2) E
(3) A (4) B
(5) D

Directions (66-70) : In each of the following questions a sentence has two blanks each indicating that something has been omitted. Choose a set of words for the blanks which fits the meaning of the sentence as a whole.

66. My friend had never seen the city before, so I _____ to show him _____.

- (1) offered, around
(2) thought, place
(3) preferred, sight
(4) presented, round
(5) look, that

67. Your _____ of looking at something _____ on your past experience.

- (1) way, depends
(2) chance, keeps
(3) method, lie
(4) means, concern
(5) like, point

68. There is no need for you to _____ a _____ speech.

- (1) confirm, nicer
(2) written, short
(3) making, longer
(4) shout, simply
(5) prepare, formal

69. There is an _____ need for a new _____ to deal with this problem.

- (1) urgent, approach
(2) imperative, tactics
(3) likely, purpose
(4) effective, line
(5) vital, method

70. After walking for miles in darkness, we were _____ to see a light in the _____.

- (1) please, ground
(2) relax, future
(3) panicked, far
(4) scare, dark
(5) relieved, distance

QUANTITATIVE APTITUDE

71. A and B started a business. Amount invested by A in the

business was $\frac{1}{3}$ rd of that invested by B. Eight months after the start of the business, A leaves the business and B doubles his investment. The annual profit should be divided between A and B in what respective ratio?

- (1) 2 : 9 (2) 3 : 8
(3) 1 : 6 (4) 1 : 9
(5) 1 : 8

72. A boat takes 10 hrs to cover 250 km. downstream and 12 hrs 30 min. to cover the same distance upstream. What is the speed (in kmph) of the boat in still water (considering speed of the current is constant)?

- (1) 20.5 (2) 22.5
(3) 25 (4) 21
(5) Other than those given as options

Directions (73-77) : What will come in place of question mark (?) in the given number series?

73. 100 ? 97 106 90 115

- (1) 101 (2) 104
(3) 103 (4) 113
(5) 102

74. 50 53 48 56 ? 61

- (1) 36 (2) 42
(3) 48 (4) 45
(5) 44

75. 3 5 12 38 ? 772

- (1) 360 (2) 148
(3) 154 (4) 540
(5) 224

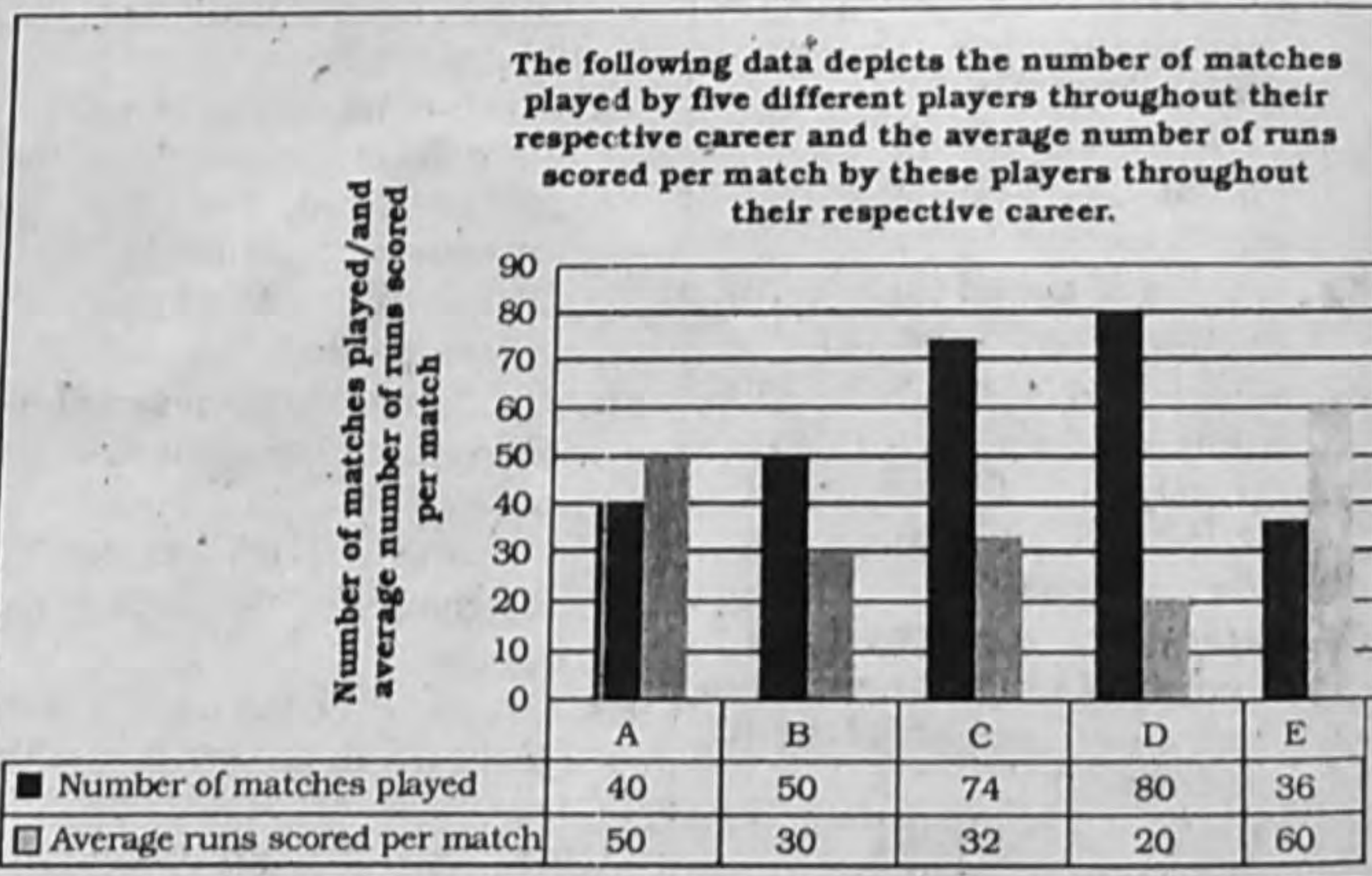
76. 1 3 6.1 11.4 20 ?

- (1) 44 (2) 33
(3) 22 (4) 33.1
(5) 22.6

77. 2000 200 40 12 4.8 ?

- (1) 3.6 (2) 3
(3) 2.4 (4) 1.2
(5) 1.8

Directions (78-85) : Refer to the graph and answer the given questions.



Total runs scored = number of matches played × average runs scored per match

78. Who among A, B, C, D and E has scored the highest number of runs in their respective career?

- (1) E (2) A (3) D (4) C (5) B

79. What is the difference between the total number of runs scored by A and that scored by B, in their respective career?

- (1) 600 (2) 300
 (3) 1000 (4) 400
 (5) 500

80. The number of matches played by A is **approximately** what per cent of the total number of matches played by D and E together?

- (1) 40 (2) 20
 (3) 25 (4) 35
 (5) 30

81. What is the average number of matches played by C and B?

- (1) 54 (2) 62
 (3) 68 (4) 52
 (5) 64

82. The average runs scored by E is what percent more than that scored by D?

- (1) 100 (2) 400
 (3) 300 (4) 200
 (5) 150

83. Sabi is five years younger than Tvisha. Tvisha's age ten years hence, will be equal to twice of Sabi's age three years ago. What was Tvisha's age (in years) four years ago?

- (1) 22 (2) 26
 (3) 20 (4) 18
 (5) 24

84. The total number of adults (male + female) in a village is 2000, out of which 1200 go to evening classes. Equal number of male and female adults attend evening classes. If 50% of male adults attend the evening classes, what percent of the total adult population in the village is females?

- (1) 30 (2) 50
 (3) 60 (4) 40
 (5) 25

85. A jar contains a mixture of milk and water, in which quantity of milk is thrice the quantity of water. When 20 litres of this quantity is taken out and 5 litres of pure milk is added, the final quantity of milk in the mixture is 20 litres. What was the initial quantity (in litres) of mixture in the jar?

- (1) 80 (2) 72
 (3) 100 (4) 40
 (5) 54

Directions (86-90) : In the given questions, two quantities are given, one as Quantity I and another as Quantity II. You have to determine relationship between two Quantities and choose the appropriate option.

- (1) $I < II$ (2) $I > II$
 (3) $I \leq II$ (4) $I \geq II$
 (5) $I = II$ or no relation can be established

86. Moina spends 20% of her monthly salary in a trip. She spends 75% of her remaining salary in other expenses and keeps the remaining Rs. 8000 as savings.

Quantity-I : Moina's monthly salary.

Quantity-II : Rs. 50000

87. **Quantity-I :** The distance covered by a car in 3 hrs 45 mins, travelling at a speed of 40 kmph.

Quantity-II : The distance covered by a boat downstream in 6 hrs, when the speed of the boat in still water is 20 kmph and the speed of the water current is 5 kmph.

88. A and B working together can complete a given task in $9\frac{3}{5}$

days. B alone can complete the task in 24 days.

Quantity-I : Number of days A alone takes to complete the same task.

Quantity-II : 20 days

89. Mahesh bought a watch at 50% discount on its labelled price and sold it at Rs. 3600, thereby earning a profit of 20%.

Quantity-I : Labelled price of the watch.

Quantity-II : Rs. 6000

90. 75% of the total number of boys and 75% of total number of girls in a class participate in an elocution competition. Out of the remaining 50 students (boys + girls) who do not participate in the competition, 30 are girls.

Quantity-I : Total number of girls in the class.

Quantity-II : Total number of boys in the class.

Directions (91-95) : What **approximate** value will come in place of question mark (?) in the given questions? (You are not expected to calculate exact value)

91. $419.78 + 6.99 + 91 + 15 + 144.12 = ?$

- (1) 250 (2) 170
 (3) 275 (4) 210
 (5) 290

92. $40\% \text{ of } (119.96 \times 7.99 + 424.82) = ?$

- (1) 550 (2) 680
 (3) 600 (4) 410
 (5) 420

93. $?\% \text{ of } (230.02 - 7.99 - 559.85) = 960$

- (1) 80 (2) 70
 (3) 75 (4) 20
 (5) 50

94. $35.08 + 5.02 + 449.92 \div 14.99 = ?$

- (1) 23 (2) 80
 (3) 37 (4) 92
 (5) 49

95. $?^2 \times 4.998 + 12^2 \times 5.09 = 899.99$

- (1) 6 (2) 12
 (3) 8 (4) 4
 (5) 2

Directions (96-100) : In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answer (1) if $x > y$ (2) if $x \geq y$ (3) if $x < y$ (4) if $x \leq y$ (5) if $x = y$ or relationship between x and y cannot be established.

96. I. $2x^2 - 23x + 65 = 0$

II. $7y^2 - 18y + 8 = 0$

97. I. $x^2 - 9x + 18 = 0$

II. $y^2 - 10y + 24 = 0$

98. I. $5x^2 + 19x + 18 = 0$

II. $9y^2 + 21y + 10 = 0$

99. I. $x^2 = 196$

II. $y^2 + 28y + 196 = 0$

100. I. $x^2 - 8x + 15 = 0$

II. $y^2 - 11y + 30 = 0$