

Reasoning

1. 'Players' are related to 'Team' in the same way as 'Books' are related to '.....'.

(A) Exams (B) Library
(C) Reading (D) Writer
(E) Chapters

2. Shreya started from Point P and walked 2 m towards West. She then took a right turn and walked 3 m before taking a left turn and walking 5 m. She finally took a left turn, walked 3m and stopped at Point Q. How far is Point Q from Point P ?

(A) 2 m (B) 6 m
(C) 7 m (D) 8 m
(E) 12 m

3. In a certain code 'where have you been' is written as 'been 4 have 3 where 2 you 1' and 'visiting London this summer' is written as 'London 4 summer 3 this 2 visiting 1'. How will 'repair may computer yesterday' be written in the same code ?

(A) computer 4 repair 3 may 2 yesterday 1
(B) yesterday 4 repair 3 may 2 computer 1
(C) computer 1 may 2 repair 3 yesterday 4
(D) yesterday 4 may 3 repair 2 computer 1
(E) computer 4 may 3 repair 2 yesterday 1

4. Four of the following five are alike in a certain way based on the English alphabetical series and so form a group. Which is the one that **does not** belong to that group ?

(A) MLJ (B) WVT
(C) OMK (D) JIG
(E) TSQ

5. Four of the following five are alike in a certain way and so form a group. Which is the one that **does not** belong to that group ?

(A) Diameter (B) Circumference
(C) Centre (D) Circle
(E) Radius

Directions—(Q. 6–10) Study the following information carefully and answer the given questions—

A, B, C, D, E, F, G and H are sitting around a circular table facing the centre but not necessarily in the same order.

- (a) C sits third to right of E
(b) G sits second to left of H
(c) H is not an immediate neighbour of E and C
(d) F and A are immediate neighbours of each other
(e) Only one person sits between F and B
6. Four of the following five are similar in a certain way based on their position in the seating arrangement. Which of the following **does not** belong to that group ?
(A) EH (B) CF
(C) AG (D) BD
(E) HG
7. Who amongst the following represent the immediate neighbours of D ?
(A) E, H (B) C, G
(C) F, B (D) H, G
(E) C, B
8. What is the position of A with respect to G in the above arrangement ?
(A) Third to the right
(B) Second to the left
(C) Fifth to the right
(D) Immediate right
(E) Third to the left
9. What will come in place of the question mark (?) according to the above seating arrangement ?
EF CG HB FA ?
(A) GD (B) CG
(C) GH (D) BH
(E) CD

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10. Who sits to the immediate right of A ?

- (A) E (B) C
(C) B (D) F
(E) D

Directions—(Q. 11–15) Study the following arrangement carefully and answer the questions given below—

6 4 2 5 2 8 5 2 6 4 1 3 9 1 8 1 2 5 8 6 3 5 1 4 9
4 7 3 2 7 2 5 9

11. How many 4s are there in the above arrangement, each of which is immediately preceded by a digit which has a numerical value of more than four ?

- (A) None (B) One
(C) Two (D) Three
(E) More than three

12. Which of the following is seventh to the left of the twentieth from the left end of the above arrangement ?

- (A) 3 (B) 9
(C) 2 (D) 7
(E) 1

13. If all the even digits are deleted from the above arrangement, which of the following will be tenth from the right end of the arrangement ?

- (A) 9 (B) 5
(C) 1 (D) 3
(E) 7

14. How many such 5s are there in the above arrangement each of which is immediately preceded by an odd digit and immediately followed by an even digit ?

- (A) None (B) One
(C) Two (D) Three
(E) More than three

15. How many such 1s are there in the above arrangement, each of which is immediately preceded by a perfect square ?

- (A) None (B) One
(C) Two (D) Three
(E) More than three

Directions—(Q. 16–20) Study the following information to answer the given questions—

In a certain code 'ring a bell' is written as '5 8 2', 'did not ring' is written as '3 5 9' and 'not a reason' is written as '7 2 9'.

16. Which of the following represents 'did not' ?

- (A) '2 3' (B) '2 9'
(C) '3 5' (D) '5 2'
(E) '9 3'

17. What is the code for 'bell' ?

- (A) 5 (B) 8
(C) 2 (D) 7
(E) Cannot be determined

18. What does '2' stand for ?

- (A) ring (B) a
(C) bell (D) reason
(E) not

19. What does '7' stand for ?

- (A) not (B) a
(C) ring (D) reason
(E) Either 'a' or 'not'

20. What is the code for 'ring' ?

- (A) 8 (B) 2
(C) 5 (D) 3
(E) 9

Directions—(Q. 21–25) Following questions are based on the five three digit numbers given below—

219 742 936 587 853

21. If all the numbers are arranged in descending order from left to right, which of the following will be the product of the first and the second digits of the number which is exactly in the middle of the new arrangement ?

- (A) 18 (B) 28
(C) 54 (D) 21
(E) 45

22. One is subtracted from the first digit and two is subtracted from third digit of each of the numbers. What will be the difference between the first digit of the highest number and the third digit of the lowest number ?

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

23. What will be the resultant if third digit of the highest number is divided by the first digit of the lowest number ?

- (A) 1.5 (B) 2
(C) 3 (D) 4
(E) 1

24. If the positions of the first and the third digits of each of the numbers are interchanged, what will be sum of all the digits of the second highest number thus formed ?

(A) 20 (B) 16
(C) 18 (D) 13
(E) 12

25. If all the digits in each of the numbers are arranged in descending order within the number, which of the following will form the lowest number in the new arrangement of numbers ?

(A) 219 (B) 742
(C) 936 (D) 587
(E) 853

Directions—(Q. 26–30) Study the following information carefully and answer the given questions—

P, Q, R, S, T, V and W are sitting in a straight line facing North but not necessarily in the same order.

- (a) Q sits third to right of T. W sits second to right of Q.
(b) V and R are immediate neighbours of each other. V is not an immediate neighbour of T.
(c) Only one person sits between S and P
(d) S is not an immediate neighbour of Q
26. Four of the following five are alike in a certain way based on their seating positions in the above arrangement and so form a group. Which is the one that **does not** belong to that group ?

(A) QW (B) TV
(C) RQ (D) VW
(E) PS

27. How many persons sit between R and P ?

(A) None (B) One
(C) Two (D) Three
(E) Four

28. Which of the following pairs sits at the extreme corners of the line ?

(A) R, W (B) S, T
(C) W, Q (D) T, R
(E) S, W

29. What is the position of T with respect to V ?

(A) Second to the left (B) Third to the right
(C) Immediate right (D) Fourth to the left
(E) Immediate left

30. If all the persons are made to sit in alphabetical order from **right to left**, the positions of how many will remain unchanged as compared to the original seating positions ?

(A) None (B) One
(C) Two (D) Three
(E) Four

Directions—(Q. 31–35) In each question below are two statements followed by two conclusions numbered I and II. You have to take the two 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 disregarding commonly known facts. Give answers—

- (A) If only conclusion I follows.
(B) If only conclusion II follows.
(C) If either conclusion I or conclusion II follows.
(D) If neither conclusion I nor conclusion II follows.
(E) If both conclusion I and conclusion II follow.

31. **Statements :**

No house is an apartment.

Some apartments are bungalows.

Conclusions :

- I. No house is a bungalow.
II. All bungalows being houses is a possibility.

32. **Statements :**

All plants are animals.

All insects are plants.

Conclusions :

- I. All insects being animals is a possibility.
II. There is a possibility that some animals are neither insects nor plants.

33. **Statements :**

All pens are inks.

No ink is an eraser.

Conclusions :

- I. No pen is an eraser.
II. Some erasers are pens.

34. **Statements :**

Some trains are buses.

All trains are ships.

Conclusions :

- I. All ships are buses.
- II. All those trains if these are buses are also ships.

35. Statements :

Some numbers are digits.

All digits are words.

Conclusions :

- I. All numbers being words is a possibility.
 - II. All digits being numbers is a possibility.
36. Which of the following will come in place of the question mark (?) according to English alphabetical series ?
- CDB HIG MNL RSQ ?
- (A) UVT (B) WXY
(C) VWU (D) TVU
(E) WXV
37. The positions of how many alphabets will remain the same if each of the alphabets in the word WHILST is rearranged in the alphabetical order from left to right ?
- (A) None (B) One
(C) Two (D) Three
(E) More than three

38. How many meaningful English words can be formed with the letters MDU using each letter only once in each word ?

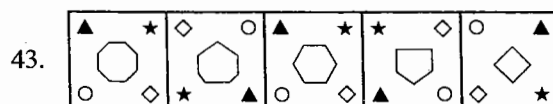
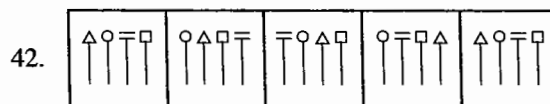
- (A) None (B) One
(C) Two (D) Three
(E) More than three

Directions—(Q. 39–40) Read the following information carefully and answer the questions which follow—

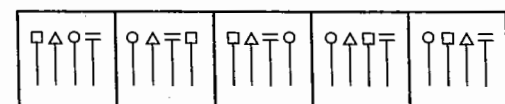
Mehul starts from point A, walks 6 m towards South to reach Point B. He then takes a right turn and walks 4 m to reach Point F before taking a right turn again and walking 6 m to reach Point C. From Point C he takes right turn again, walks 8 m and stops at Point E.

39. If Mehul takes a right turn from Point E and walks 6 m to reach Point D, how far and towards which direction will Point D be from Point B ?
- (A) 6 m towards West (B) 8 m towards East
(C) 4 m towards East (D) 6 m towards East
(E) Cannot be determined
40. Which of the following three points fall in a straight line ?
- (A) C, A, B (B) F, B, A
(C) F, A, C (D) E, A, B
(E) C, A, E

Directions—(Q. 41–50) In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued ?

Problem Figures**Answer Figures**

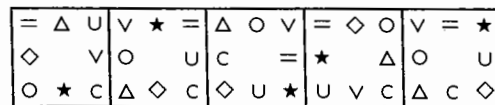
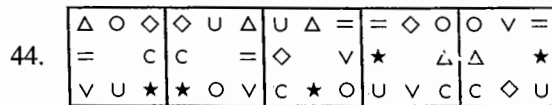
(A) (B) (C) (D) (E)



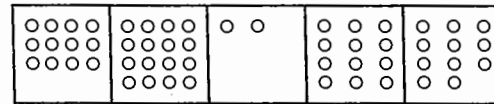
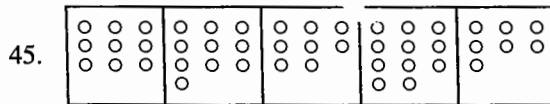
(A) (B) (C) (D) (E)



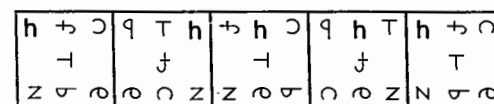
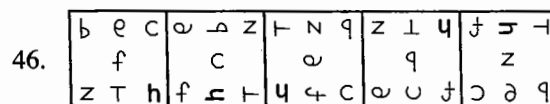
(A) (B) (C) (D) (E)



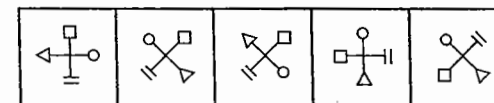
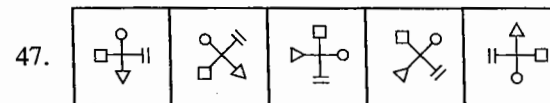
(A) (B) (C) (D) (E)



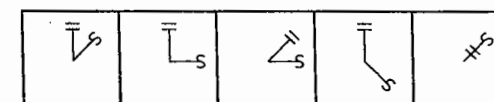
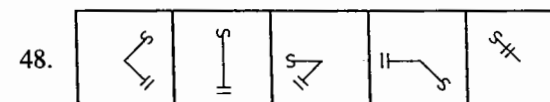
(A) (B) (C) (D) (E)



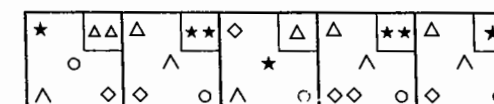
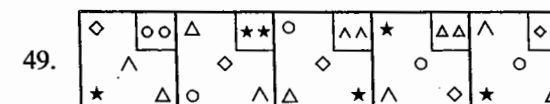
(A) (B) (C) (D) (E)



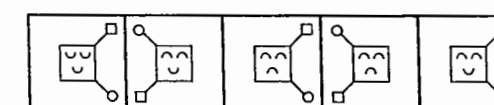
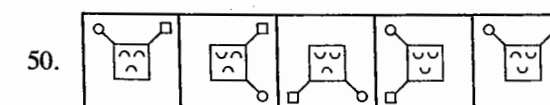
(A) (B) (C) (D) (E)



(A) (B) (C) (D) (E)



(A) (B) (C) (D) (E)

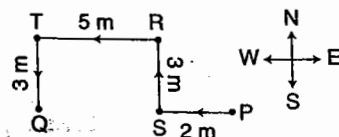


(A) (B) (C) (D) (E)

Answers with Hints

1. (B) As group of 'Players' is called 'Team' similarly group of 'Books' is called 'Library'.

2. (C)



The distance from P to Q is 5 + 2 i.e. 7m.

3. (E) where have you been

→ been 4 have 3 where 2 you 1

visiting London this summer

→ London 4 summer 3 this 2 visiting 1

repair may computer yesterday

→ computer 4 may 3 repair 2 yesterday 1

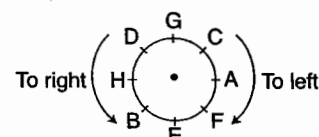
4. (C)

M	L	J	W	V	T	O	M	K
↑	↑	↑	↑	↑	↑	↑	↑	↑
-1	-2	-1	-2	-1	-2	-2	-2	-2

J	I	G	T	S	Q
↑	↑	↑	↑	↑	↑
-1	-2	-1	-2	-1	-2

5. (D) Rest of others are parts of circle.

For Q. 6 to 10

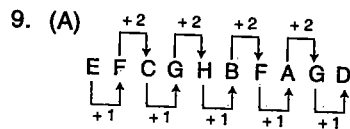


6. (C)

E	H	C	F	A	G	B	D	H	G
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
-2	-2	-2	-2	-2	-2	-2	-2	-2	-2

7. (D) 8. (B)

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10. (B)

11. (D) 64, 64 and 94

12. (B) In the given arrangement 20th from the left is '6' and 7th to the left of '6' is '9'.

13. (B) After removing all the even digits :
5 5 1 3 9 1 1 5 3 5 1 9 7 3 7 5 9
Here 10th from the right is '5'.

14. (A)

15. (C) 41 and 91

For Q. 16 to 20

ring a bell \Rightarrow 5 8 2

did not ring \Rightarrow 3 5 9

and not a reason \Rightarrow 7 2 9

ring \rightarrow 5, not \rightarrow 9, a \rightarrow 2, bell \rightarrow 8, did \rightarrow 3,
reasons \rightarrow 7.

16. (E) did not \Rightarrow 93

17. (B) 18. (B) 19. (D) 20. (C)

21. (B) 219 742 936 587 853
936 853 **742** 587 219

$\therefore 7 \times 4 = 28$

22. (E) 219 742 936 587 853
117 640 **834** 485 751

$\therefore 8 - 7 = 1$

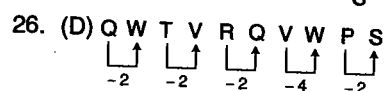
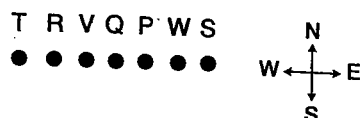
23. (C)

24. (A) 219 742 936 587 853
912 247 639 785 358

$\therefore 7 + 8 + 5 = 20$

25. (B) 219 742 936 587 853
921 **742** 963 875 853

For Q. 26 to 30



27. (C) 28. (B) 29. (A)

30. (A) T R V Q P W S
W V T S R Q P

