

REASONING ABILITY BY- SAURABH SIR

Directions(1-5): Study the following information carefully and answer the questions given below.

Twelve persons were seated in two parallel rows containing six persons each, in such a way that there is an equal distance between adjacent persons. In row 1 – A, B, C, D, E, and F were seated and all of them are facing south and in row 2 – P, Q, R, S, T, and U were seated and all of them were facing north. P was seated second from the end. One person was seated between P and the one who faces A. B was seated to the immediate right of A. C was seated third to the right of D. Q faces the one who sits second to the left of B. One of the immediate neighbors of D faces S. T was seated second to the right of S. One person was seated between E and the one who faces U.

1. Who was seated second to the left of U?

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

2. How many persons were seated between Q and the one who faces C?

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

3. The number of persons seated between A and E was the same as the number of persons seated between _____

- (a) P and T
- (b) Q and R
- (c) R and T
- (d) T and U
- (e) U and S

4. Who is sitting between E and A in Row-1?

- (a) C and B
- (b) D and C
- (c) F and C
- (d) T and U
- (e) R and T

5. Who among the following sits 3rd to the left of Q in Row-2?

- (a) U
- (b) P
- (c) S
- (d) T
- (e) R

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

Eight friends P, Q, R, S, T, U, V and W are seated in a straight line, facing north, but not necessarily in the same order. There are four persons in between R and W. Q and U is immediate neighbour of R, who is second to the right of T. U is not an immediate neighbour of T. S is not an immediate neighbour of W. V sits second to the left of P. P does not sit on the immediate left of S.

Q6. What is position of R with respect to S?

- (a) Third to the right
- (b) Second to the right
- (c) third to the left
- (d) second to the left
- (e) forth to the right

Q7. How many persons sit between R and P?

- (a) Two
- (b) One
- (c) Three

(d) Four

(e) No one

Q8. Who sits second to the right of Q

(a) T

(b) S

(c) P

(d) W

(e) U

Q9. Who among the following sits at extreme end of the row?

(a) Q

(b) V

(c) P

(d) T

(e) S

10. In the word 'TRANQUIL', how many pairs of the letters have the same number of letters between them in the word as in alphabet?

(a) Four

(b) Two

(c) One

(d) Three

(e) More than four

Direction (11-15): Answer the following questions referring to the symbolletter- number sequence given below:

11. How many symbols are there in the above sequence which are immediately preceded by a number and immediately followed by a consonant?

(a) None

(b) Two

(c) One

(d) Three

(e) None of these

12. What should come in place of the question mark (?) in the following sequence?

13^ 80Y ? A9P

(a) Z2C

(b) C20

(c) Z\$C

(d) Z\$5

(e) None of these

13. Which of the following is exactly middle between the seventh element from the right end and sixth element from the left end?

(a) Z.

(b) 2

(c) \$

(d) P.

(e) None of these

14. Which of the following is the fifth element to the left of the ninth element from the right end in the above sequence?

(a) 2

(b) P.

(c) \$

(d) *

(e) None of these

15. If first and second halves of the above sequence are written in reverse order, then which will be the sixth element to the right of the fourteenth element from the right end?

- (a) L.
- (b) ~
- (c) 6
- (d) 9
- (e) None of these

Directions (16-17): Study the information carefully and answer the questions given below.

Harjot starts walking from point A towards north east directions after walking some distance reached point B and starts moving to east direction and walks 6m. and reached point C, from there he takes a left turn and walks 3m to reach point D, from there take a right turn and walk 5m to reach point E.

Q16. What is the shortest distance between point E and C?

- (a) $\sqrt[3]{34}$
- (b) $\sqrt{25}$
- (c) $\sqrt{34}$
- (d) $2\sqrt{8}$
- (e) None of these.

Q17. In which direction is A with respect to C?

- (a) North east
- (b) South West
- (c) East
- (d) West
- (e) South

Direction (18-20): In these questions, relationship between different elements is show 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 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.

Q18. Statements: $W > Q \geq P < N \leq A$; $N > R = X$

Conclusions: I. $A > X$ II. $Q > N$

Q19. Statements: $V \leq B \leq M = S \geq F \geq G = H$

Conclusions: I. $M > G$ II. $M = H$

Q20. Statements: $L \leq C \geq F > K \geq D > M$

Conclusions: I. $L < F$ II. $C > D$

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

Eight boxes i.e. A, B, C, D, E, F, G and H are placed one above the another but not necessarily in the same order. Three boxes are placed between G and E. No box is placed between D and G. The number of boxes placed above the box D is same as the number of boxes placed below the box H. Box H is exactly between the box G and E. Box F which is at top most position is placed just above the box B. Box B is placed above the box D. Box A is placed above the box C, which is not placed at the bottom most position.

21. How many boxes are placed below the box G?

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

(e) None of these

22. How many boxes are placed between B and G?

(a) None

(b) Two

(c) Three

(d) Five

(e) One

23. The number of boxes placed above C is same as the number of boxes placed below the box___?

(a) Box B

(b) Box A

(c) Box F

(d) Box C

(e) None of these

24. Four of the following five are alike in a certain way and so form a group. Find the one who does not belong to that group?

(a) B. (b) G.

(c) D. (d) E.

(e) C.

25. Which of the following box is placed exactly between B and H?

(a) A. (b) G.

(c) D. (d) C.

(e) None of these

Directions (26-29): In each question below are given some statements 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. 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.

Q26. Statements:

Only a few Students are Kids.

All Kids are Adults.

No Adults are Children.

Conclusions:

I. Some Students are Children

II. No Children are Students

Q27. Statements:

Only Classes are Schools

Only a few Classes are Colleges.

All Colleges are Universities.

Conclusions:

I. No Schools are Universities

II. Some Schools can be Colleges

Q28. Statements:

Some Registers are not Diaries.

Only a few Diaries are Copies.

All Copies are Notebooks.

Conclusions:

I. Some Registers can be Notebooks

II. Some Diaries are not Copies

Q29. Statements:

Only a few Phones are Laptops.

Only Laptops are Computers.

Some Laptops are Smartphones.

Conclusions:

I. Some Phones can be Computers

II. Some Laptops are not Smartphones

30. I don't Remember

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

A, B, C, D, E, F, G and H are eight friends sitting in a circle facing the centre. F is on the immediate right of D while B is on the immediate left of E. A is neither sitting opposite to C nor H. And A is not the neighbour of H. E and H are sitting adjacent to C.

Q31. Which of the following is wrong?

I. F is to the immediate left of G.

II. A is to the immediate right of D.

III. H and D are sitting opposite each other.

(a) Only I

(b) Only II

(c) Only III

(d) Only II and III

(e) All I, II and III

Q32. Which of the following are two pairs of adjacent members?

(a) AF and BC

(b) FH and BG

(c) AG and CE

(d) BG and AG

(e) None of these

Q33. What is the position of G?

(a) Fourth to the left of F.

(b) Third to the left of B.

(c) Third to the right of B.

(d) Second to the left of D.

(e) None of these

Q34. Which of the following is/are correct?

I. D is third to the left of E.

II. D is fifth to the right of E.

III. A and F are adjacent to each other.

(a) Only I

(b) Only II

(c) Only I and II

(d) Only II and III

(e) All I, II and III

Q35. If A and E interchange places and so do F and H, then

(a) G and C are adjacent to F.

(b) D and B are adjacent to A.

(c) E is not sitting opposite A.

(d) H is not sitting opposite F.

(e) H is fourth to the left of C.

ANSWER KEY & SOLUTION

Direction (1-5):

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

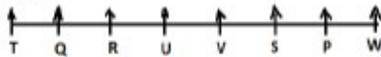
Row 1 (s) E C B A D F

Case 1:

Row 2 (n) R P U S Q T

Direction (6-9):

Case 1



- 6.Ans(c)
- 7.Ans(c)
- 8.Ans(e)
- 9.Ans(d)
10. C

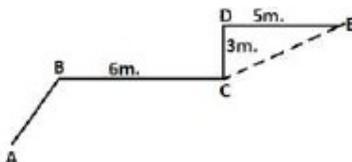
TRANQUIL

Direction (11-15)

- 11.Ans: b
Exp: 2 \$ P, 4 ~ F
- 12.Ans: d
Exp: 2\$5
13. Ans: b
Exp: '2'
14. Ans: b
Exp: 'P'
15. Ans: c
Exp: '6'

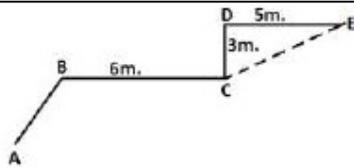
Direction (16-17)

16. Ans.(c)



$$\sqrt{25 + 9} = \sqrt{34}$$

17. Ans.(b)



Direction (18-20):

18. Ans. (a)

Exp. I. $A > X$ (True) II. $Q > N$ (False)

19. Ans. (c)

Exp. I. $M > G$ (False) II. $M = H$ (False)

20. Ans. (b)

Exp. I. $L < F$ (False) II. $C > D$ (True)

Direction (21-25)

21.b

22.e

23.a

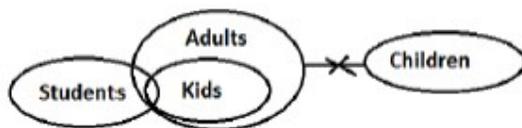
24.d

25.b

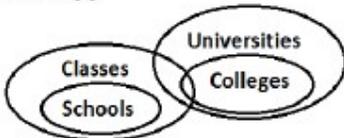
Box
F
B
D
G
A
H
C
E

Directions (26-29):

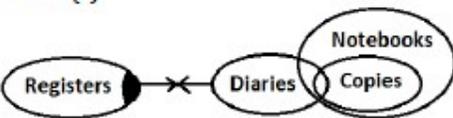
26. Ans. (c)



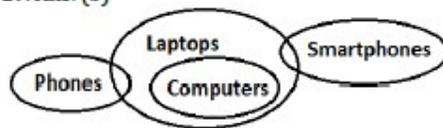
27. Ans. (a)



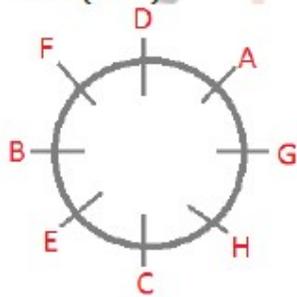
28. Ans. (e)



29. Ans. (b)



Direction (31-35):



31. Ans. (e)

32. Ans. (c)

33. Ans. (d)

34. Ans. (c)

35. Ans. (a)