**REASONING ABILITY**

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

Twelve people are sitting in two parallel Row-1 and Row-2 with equidistance between each other and facing each other. In Row-1 A, B, C, D, E and F are sitting and facing north. In Row-2 P, Q, R, S, T and U are sittingand facing south but not necessarily in the same order.

E sits third from the extreme end of the row. Q sits second to the right of the person who sits opposite to E. Two people sit between Q and S. A and B are immediate neighbour of E. S does not faces A. R sits opposite to D. Two people sit between R and T. T is not an immediate neighbour of S.P does not sit at extreme end of the row. C does not face Q and not an immediate neighbour of D.
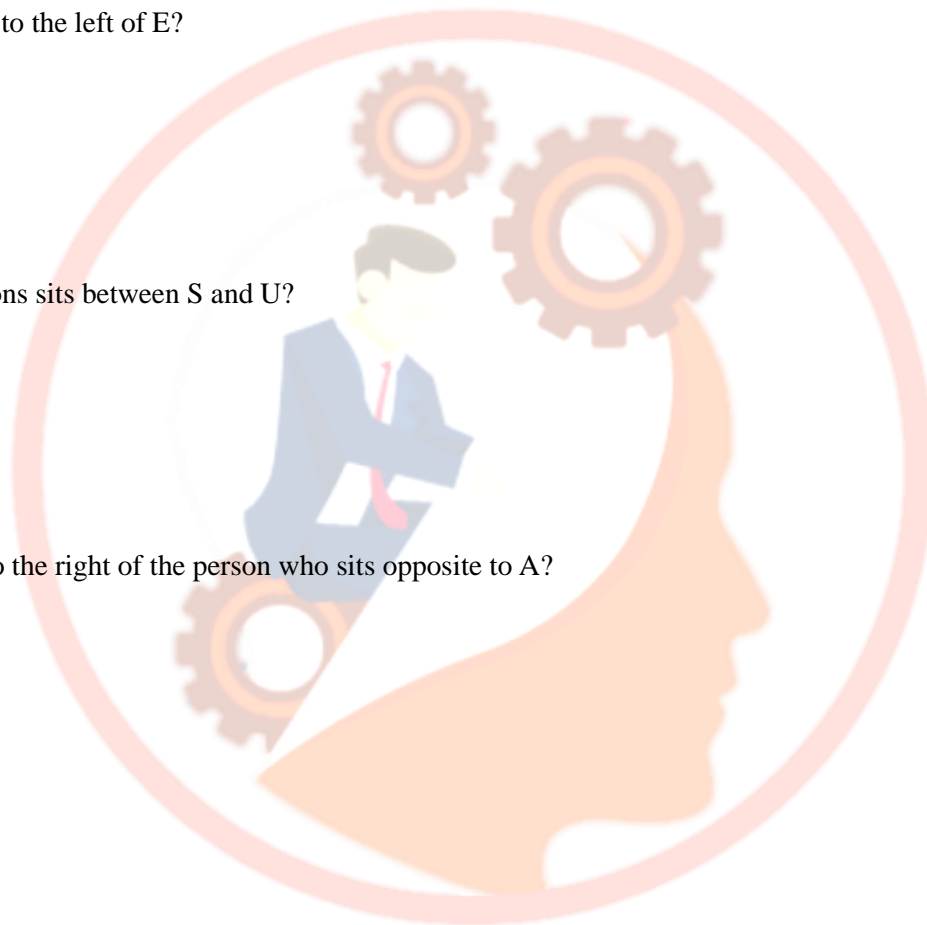
**1).** Who sits second to the left of E?
a) C
b) F
c) B
d) D
e) None of these

**2).** How many persons sits between S and U?
a) One
b) Two
c) Three
d) Four
e) None of these

**3).** Who is second to the right of the person who sits opposite to A?
a) P
b) Q
c) R
d) T
e) U

**4).** Four of the five among the following are similar in such a way to form a group, which one of the following does not belongs to the group?
a) U, F
b) Q, A
c) P, B
d) S, C
e) T, E

**5).** Which of the following is not correct?
I) Two persons sits between C and E
II) Q sits opposite to F
III) R sits immediate right of S
a) Only I
b) Only II and III
c) Only I and III
d) Only III
e) All are correct

**Direction (6-10): Read the given information carefully and answer the questions given below.**
**236 458 684 536  735**
**6).** If all the digits in the numbers are arranged in descending order from right to left, then all the numbers are arranged in descending order from left to right. Then which of the following number will be third from the left end?
a) 536
b) 468
c) 735
d) 458
e) None of these

**7).** If the first and third digits of the numbers are interchanged, then which of the following will be fourth smallest number in the given series?
a) 485
b) 263
c) 536
d) 684
e) None of these

**8).** What will be the product of the third digit of the smallest number and second digit of the second highest number?
a) 30
b) 18
c) 48
d) 36
e) 32

**9.** What is the difference of third highest and fifth smallest number?
a) 299
b) 319
c) 189
d) 199

**10.** If third digit of each number is increased by 2, then how many digits are repeated in that number?
a) One
b) Two
c) Three
d) More than three
e) None

**Direction (11-13): Read the given information carefully and answer the questions given below.**

        Five boxes A, B, C, D and E is arranged in a shelves such that bottom most shelf is numbered one, the shelf above is numbered 2 and so on till the topmost shelf is numbered 5. Only one box is placed in each shelf.

        The box C is placed in odd number shelf. Only one box is placed between box C and box B, which is placed below box C. As many boxes placed between box A and box D is same as between box B and box E. Box E is placed above B but not immediately above. The box D is placed below box A.

**11).** How many boxes are placed between box A and box D?
a) One
b) Two
c) Three
d) None
e)Cannot be determined

**12).** Which of the following boxes is placed just above D?
a) A
b) B
c) C
d) Data in sufficient
e) None

**13).** Which of the following box is placed in shelf number 4?
a) D
b) E
c) F
d) B
e) A

**Direction (14-16): Read the given information carefully and answer the questions given below.**

        Point P is 10m to the north of Point Q. Anu starts walking from point Q 20m towards east direction to reach point X and then she walks 8m in south direction to reach point E.Then she turns left and walks 15m to stop at point L.

        Abi starts walking 10m towards east direction from point P to reach at point D. Then she take right turn and reach at point F after walking 5m.Then she walk 15m towards east direction to reach at point G. Then she took right and walks 5m to reach at point M. Finally she walks 10m towards east direction and stop at point K.

**14).** Which of the following points are in straight line?
a) Q, G, K
b) E, X, D
c) X, M, K
d) E, L, G

e) None of these

**15).** The point G is in which direction with respect to point Q?
a) North
b) West
c) Southeast
d) Northeast
e) None of these

**16).** What is the shortest distance between X and G?
a) 5√2 m
b) 2√5 m
c) √48 m
d) 8 m
e) Cannot be determined

**Direction (17-19): Read the given information carefully and answer the questions given below.**
Seven persons H, J, K, L, M, N and O are from same family but three different generations. M is the son of H. L is son of O, who is married to M. K has only one child. L is the grandson of N. O and J issiblings. J is the son of N. K is a married male.

**17).** How L is related to J?
a) Niece
b) Nephew
c) Father
d) Uncle
e) Cannot be determined

**18).** If X is son of J, then how O is related to X?
a) Nephew
b) Mother
c) Uncle
d) Aunt
e) None of these

**19).** How K is related to L?
a) Grandson
b) Grandfather
c) Uncle
d) Mother
e) None of these

**Direction(20-21): Study the following information carefully and answer the given questions.**
In a certain coding language,
"Sunday way his write" is written as "dil qzi cpx psr"
"way his profile holiday" is written as "xhm psr str qzi"
"Profile to for School back" is written as "oiz cmd xhm eji wza" and
"To for his Sunday moon" is written as "eji psr cmd cpx sby"
**20).** Which of the following code for "Back"?

a)oiz
b)wza
c)dil
d) Either a or b
e) None of these

**21)** If "Tomorrow school is holiday" is written as "eghshkoizstr", then which of the following is the code for "School"?
a)egh
b)oiz
c) shk
d)str
e) None of these

**Direction (22-26): Read the following information carefully and answer the questions given below.**

Eight persons P, Q, R, S, T, U, V and W were joined in a company in eight different years but same month and same date viz., 1954, 1993, 1982, 1978, 1949, 1972, 1989 and 1996 but not necessarily in the same order. Their experiences are calculated based on 2018 on same month and same date.

P was the most experienced in the group. Two persons were joined between P and Q. T was joined one of the even numbered years after Q. W"s experience was two years more than that of twice the experience of R. Three person joined between W and U. S was joined before V.

**22).** When was V joined in a company?
a) 1982
b) 1949
c) 1972
d) 1989
e) None of these

**23).** How many persons were joined between U and S?
a) One
b) Two
c) Three
d) Four
e) More than Four

**24).** What is the sum the experience of W, V and R (in years)?
a) 98
b) 99
c) 97
d) 100
e) None of these

**25).** Four of the five among the following are similar in such a way to form a group, which one of the following does not belongs to the group?
a) P
b) S
c) W
d) Q

e) T

**26).** Who was joined just after P?
a) Q
b) S
c) P
d) T
e) None of these

**27).** If only one meaningful word can be formed by using $1^{st}, 5^{th}, 7^{th}$ and $9^{th}$ letters only once of the word
**"ENFRANCHISEMENT",** then which is the second letter of the meaningful word? If no such word can be formed, then
give „X" as the answer. If more than one word can be formed, then give „Y" as the answer.
a) A
b) C
c) X
d) Y
e) I

**28).** In the given number 857327439132, the position of first and second letter are interchanged, similarly the position of third
and fourth letter are interchanged and so on till the end. Then, which of the following number will be third to the left of the
number which is seventh from the left end?
a) 2
b) 3
c) 4
d) 7
e) Cannot be determined

**Direction (29-30): Read the following information carefully and answer the questions given below.**
        Seven persons H, I, J, K, L, M and N are in different heights. H is shorter than at least three persons. I is taller than
M. J is shorter than K. I is not the tallest person. K is not as much as height as H. J is not the shortest person. I is taller than N.

**29).** Who is the tallest person in the group?
a) H
b) J
c) M
d) L
e) Cannot be determined

**30).** If M"s height is 162cm and the shortest person"s height is 150cm, then what may be the possible height of J?
a) 148 cm
b) 155 cm
c) 166 cm
d) 168 cm
e) 149 cm

**Direction (31-35): Each of the questions below consists of a question and three statements numbered I, II and III given
below it. You have to decide whether the data provided in the statement are sufficient to answer the question and give
answer.**

a) Only Statement I is sufficient to answer
b) Only Statement II is sufficient to answer
c) Either Statement I or Statement II are sufficient to answer.
d) Neither Statement I nor Statement II are sufficient to answer.
e) Both Statement I and Statement II are sufficient to answer.

**31).** P, Q, R, S, and T are the five persons in the group. How many persons are taller than T?
**Statement I:** P is taller than Q, who was only shorter than P and T.
**Statement II:** R is shorter than P, who was shorter than T.

**32).** Among V, W, X, Y and Z seated in a straight line facing south, who sits at the extreme end of the row?
**Statement I:** W sits second to right of V. Z is not immediate neighbour of Y.
**Statement II:** V sits third to left of Y. W sits on the immediate right of X.

**33).** How is X related to N?
**Statement I:** X is mother of J. T is married to Z. N is daughter of T.Z is brother of J.
**Statement II:** X is married to Y. Y is father of J. J is married to L. J is uncle of N.

**34).** On which floor does C lives? If A, B, C, D, E are living in a building. The lowermost floor of the building is numbered 1 its above floor numbered 2 and so on till the topmost floor of the building is numbered 5.
**Statement I:** A lives one of the floor below D, who lives in topmost floor.
**Statement II:** E lives two floors above C, who neither lives in third or second floor.

**35).** How many chocolate does Seetha has?
**Statement I:**Abi has 10 chocolates which is five more than Geetha. Seetha has 2 chocolates more than Swetha, who has 2 more than Geetha.
**Statement II:**Swetha has more chocolates than Geetha but less than Abi, who has 10 chocolates.

**AnswerKey:**

**Directions (1-5):**

| U | Q | T | P | S | R |
|---|---|---|---|---|---|
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| C | F | A | E | B | D |
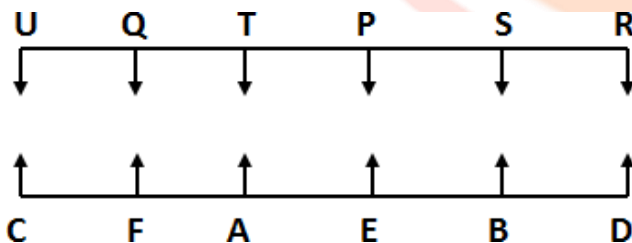
**1. b**
**2. c**
**3. e**
**4. d**
**5. d**
**Directions (6-10):**
**6. c**
**7. a**

7

**8. c**
**9. d**
**10. b**
**Directions (11-13):**

| Shelves | Boxes |
|---------|-------|
| 5 | A |
| 4 | E |
| 3 | C |
| 2 | D |
| 1 | B |

**11. b**
**12. c**
**13. b**
**Directions (14-16):**
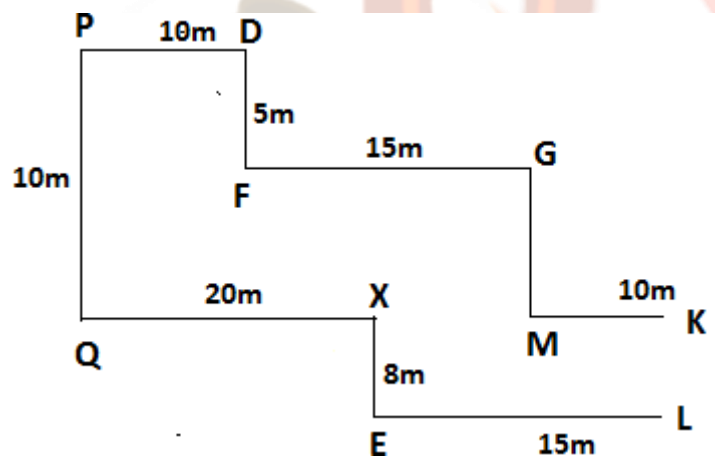


**14. c**
**15. d**
**16. a**
**Directions (17-19):**



**17. b**
**18. d**
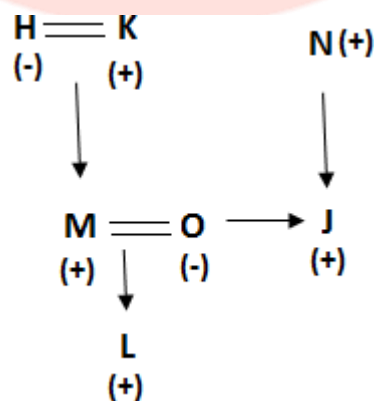
**19. b**
**Directions (20-21):**

| | |
|---|---|
| Sunday | cpx |
| write | dil |
| way | qzi |
| to/for | cmd/ eji |
| his | psr |
| holiday | str |
| Back/school | oiz/ wza |
| profile | Xhm |
| moon | sby |

**20.d**
**21. b**

**Direction (22-26):**

| Year | Person |
|------|--------|
| 1949 | P |
| 1954 | S |
| 1972 | W |
| 1978 | Q |
| 1982 | T |
| 1989 | V |
| 1993 | U |
| 1996 | R |

**22. d**

**23. d**

**24. c**

**25. a**

**26. b**

**27. c**

**28. d**

**29. d**

**L>I>M>H>K>J>N**

**30. b**

**31. e**

**32. e**

**33. c**

34. b
35. a