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Prelims 2019
Memory Based
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Reasoning Ability

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

Six boxes i.e. A, B, C, D, E and F of different colors i.e. Orange, Red, Black, Yellow, Pink and White are placed one above another but not necessarily in same order. Box C is placed just above the orange coloured box. One box is placed between A and orange coloured box. Three boxes are placed between A and pink coloured box. Two boxes are placed between D and E. Red coloured box is placed just below A. There are as many boxes placed above red coloured box as below E. E is not Orange coloured box. Black coloured box is placed just above yellow coloured box. F is placed above B.

Q1. How many boxes are placed above F?

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

Q2. In which of the following position red coloured box is placed?

- (a) 2nd from bottom
- (b) 1st from bottom
- (c) 2nd from top
- (d) 1st from top
- (e) None of these

Q3. Which of the following box is Yellow coloured?

- (a) A
- (b) C
- (c) E
- (d) D
- (e) None of these

Q4. Which of the following color is box F has?

- (a) Orange
- (b) Pink
- (c) Red
- (d) Yellow
- (e) None of these

Q5. Four of the following five are alike in certain way based from a group; find the one which does not belong to that group?

- (a) F-Yellow
- (b) E-Orange
- (c) B-Black
- (d) C-Red
- (e) D-White

Q6. In some of the following logic TABLE is coded as BUEFM and PRAYS is coded as SQDTZ, following the same logic MINOR will be coded as

- (a) JNQSP

- (b) JPNSQ
- (c) PNSJQ
- (d) PSNQJ (e) None of the above

Q7. How many pairs of letters are there in the word 'PERSUADE', each of which have as many letters between them in the word as they have between them in the English alphabet?

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

Directions (8-10): Point R is 5m west of point Q. Point P is 16m north of point Q. Point R is 25m south of point T. Point T is 10m west of point V. Point V is 9 m north of Point J.

Q8. Point J is at how much distance and in which direction with respect to point P?

- (a) 10m, South-east
- (b) 5m, South
- (c) 5m, East
- (d) 10, North-west
- (e) 5m, West

Q9. If point W is west of point J and north of point R, then what is the distance between T and W?

- (a) 15m
- (b) 9m
- (c) 12m
- (d) 10m

(e) 5m

Q10. What is the direction of Point V with respect to Point R?

- (a) North
- (b) South-west
- (c) North-east
- (d) South
- (e) North-west

Directions (11-15): Study the following information carefully and answer the questions given below:

Nine persons are sitting in a row. Some of them are facing north and some are facing south. P sits 2nd from one of the extreme ends. Two persons sit between P and R. S sits 3rd to the left of R. U sits 2nd to the right of S. Immediate neighbours of S faces opposite to S. T sits 2nd to the right of U. W is an immediate neighbour of T. Persons sitting in an extreme end are facing opposite direction to each other. P sits 2nd to the right of T. W and P doesn't face north. Q sits 2nd to the left of V. X doesn't face south.

Q11. Who among the following person sits 3rd to the right of U?

- (a) P
- (b) R
- (c) S
- (d) T
- (e) None of these

Q12. How many persons are sitting between P and S?

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

- (d) Four
- (e) One

Q13. Who among the following pair of persons are sitting at extreme end?

- (a) S-V
- (b) V-X
- (c) P-W
- (d) P-X
- (e) None of these

Q14. How many persons are facing south?

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

Q15. Four of the following five are alike in certain way based from a group; find the one which does not belong to that group?

- (a) V
- (b) Q
- (c) W
- (d) X
- (e) P

Directions (16-18): Study the following information carefully and answer the questions given below:

There are six ropes i.e. E, F, G, H, I and J of different lengths. F is longer than E. I is longer than F. I is shorter than only G. J is longer than F. E is not the shortest rope. The length of 2nd longest rope is 54cm and 3rd shortest rope is 30cm.

Q16. Which of the following is 3rd longest rope?

- (a) I
- (b) J
- (c) F
- (d) E
- (e) Can't be determined

Q17. What may be the possible length of J?

- (a) 28cm
- (b) 42cm
- (c) 25cm
- (d) 55cm
- (e) 60cm

Q18. Which of the following is 2nd shortest rope?

- (a) J
- (b) F
- (c) E
- (d) H
- (e) None of these

Directions (19-22): Read the information carefully and answer the following questions:

J is married to C. B and D are the children of C. D is married to daughter of K, who is married to M. K is mother of R, who is husband of N. H is the grandson of C and K. L is daughter of N. V is only sibling of H. D has only one daughter.

Q19. How is D related to K?

- (a) Son
- (b) Wife
- (c) Son in law
- (d) Daughter
- (e) None of these

Q20. If T is daughter of K, then how is T related to D?

- (a) Wife
- (b) Son in law
- (c) Daughter
- (d) Husband
- (e) None of these

Q21. How is L related to K?

- (a) Wife
- (b) Granddaughter
- (c) Daughter
- (d) Son
- (e) Grandson

Q22. Who is father of R?

- (a) M
- (b) D
- (c) B
- (d) J
- (e) C

Q23. Four of the following five are alike in certain way according to English dictionary form a group; find the one which does not belong to that group?

- (a) NLQ
- (b) DBG
- (c) HFK
- (d) TRW
- (e) XVY

Directions (24-27): In each of the questions below are given some statements followed by two 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.

Q24. Statements:

Only a few Chart are Turbine

Only a few Turbine are Pores

Only a few Pores are fan

Conclusions: I. Some fan is chart is a possibility

II. All fan are Turbine

Q25. Statements:

All Beaches are Deltas

All Deltas are cushions

No Cushions is wave

Conclusions: I. Some Beaches can be wave

II. No Deltas is Wave

Q26. Statements:

Only a few Aces are Club

No club is Jack

Only a few Jack are Diamond

Conclusions: I. Some Diamond are Aces

II. Some Aces are Jack

Q27. Statements:

Some Apple are Banana

No Banana is Date

Conclusions: I. Some Date are not Apple is a possibility

II. All Apple can never be Date

Directions (28-32): Study the information carefully and answer the question given below.

There are ten persons J, P, Q, R, S, T, G, U, V and X living in a ten-floor building, such that ground floor is numbered as 1, just above the floor is numbered as 2 and so on the topmost floor is numbered as 10, but not necessary in the same order. P lives on the 5th floor. Only three persons live between P and V. T lives immediate above J, who lives on an odd numbered floor. S lives on one of the floors below R. Number of persons lives between J and P is same as number of persons lives between T and R. There is only one floor in between U and X. W lives on an odd numbered floor. R does not live on top floor. S lives on an odd numbered floor above X but not on seventh floor. V lives below the floor on which P lives. U lives above the floor on which X lives. Q lives on an even numbered floor above P but not on top floor.

Q28. How many persons live between W and S?

- (a) One
- (b) Four
- (c) None
- (d) Three
- (e) More than four

Q29. Who among the following Lives on topmost floor?

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

Q30. Four of the following five are alike in certain way based from a group; find the one which does not belong to that group?

- (a) Q
- (b) X
- (c) U
- (d) W
- (e) T

Q31. Who among the following lives immediate above Q?

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

Q32. Which of the following statement is not true about U?

- (a) U lives on 4th floor
- (b) Two persons live between U and W
- (c) V lives immediate below U
- (d) P lives immediate above U
- (e) All are true

Directions (33-35): Study the following information carefully and answer the following question.

Six persons are sitting around a triangular table. Persons who are sitting at corner are facing towards the table and the persons who are sitting at middle of the table are facing outside the table. A sits at one of the corners of the table. M is an immediate neighbour of A. Two persons sit between M and B. C sits immediate right of B. N is to the immediate right of O. O does not sit at any of the corner of the table.

Q33. Who sits second to the right of B?

- (a) M
- (b) A
- (c) N
- (d) O
- (e) C

Q34. Who is sitting between A and N when counted from the right of A?

- (a) C

- (b) B
- (c) O
- (d) M
- (e) None of these

Q35. Who sits immediate left of N?

- (a) M
- (b) C
- (c) O
- (d) B
- (e) None of these

Solutions:

Boxes	Colors
E	Pink
C	White
F	Orange
D	Black
A	Yellow
B	Red

S1. Ans. (a)

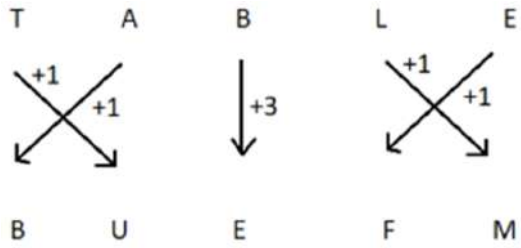
S2. Ans. (b)

S3. Ans. (a)

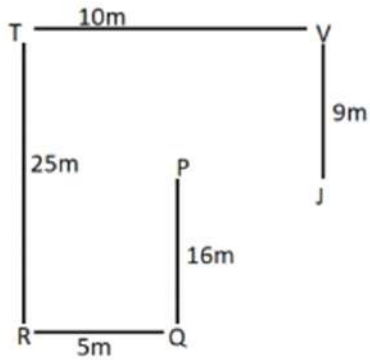
S4. Ans. (a)

S5. Ans. (d)

S6. Ans. (a)



S7. Ans. (e)



S8. Ans. (c)

S9. Ans. (b)

S10. Ans. (c)



S11. Ans. (e)

S12. Ans. (c)

S13. Ans. (b)

S14. Ans. (c)

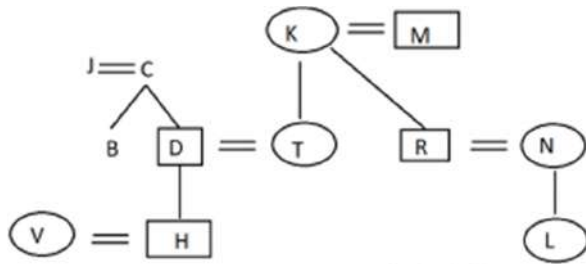
S15. Ans. (d)

$$\begin{array}{ccccccc} G & > & I & > & J & > & F & > & E & > & H \\ & & \downarrow & & & & \downarrow & & & & \\ & & 54\text{cm} & & & & 30\text{cm} & & & & \end{array}$$

S16. Ans. (b)

S17. Ans. (b)

S18. Ans. (c)



S19. Ans. (c)

S20. Ans. (a)

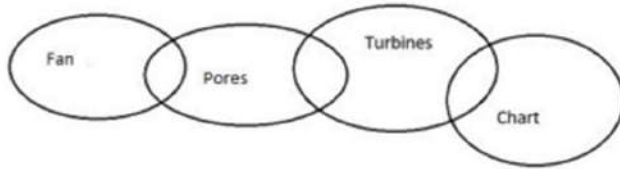
S21. Ans. (b)

S22. Ans. (a)

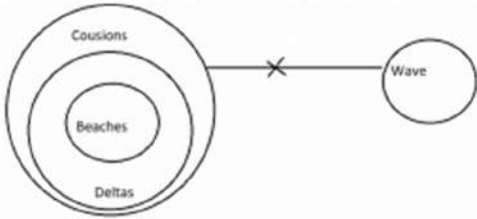
S23. Ans. (e)

$$H \xrightarrow{-2} F \xrightarrow{+5} K$$

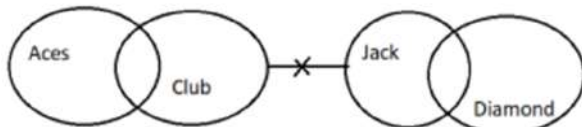
S24. Ans. (a)



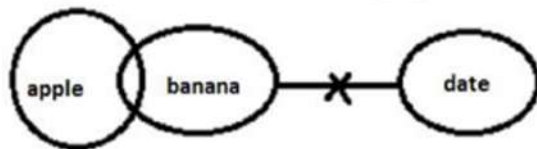
S25. Ans. (b)



S26. Ans. (d)



S27. Ans. (e)



Floors	Persons
10	T
9	J
8	Q
7	W
6	R
5	P
4	U
3	S
2	X
1	V

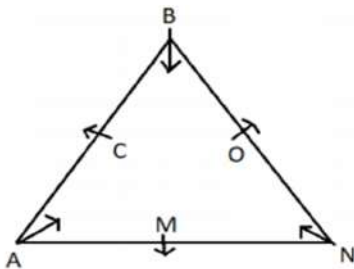
S28. Ans. (d)

S29. Ans. (c)

S30. Ans. (d)

S31. Ans. (a)

S32. Ans. (c)



S33. Ans. (b)

S34. Ans. (d)

S35. Ans. (a)

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