

## RRB PO Pre Memory Based Reasoning Ability Question Paper

**Direction (1-5): Study the following information carefully and answer the given questions:**

Eleven boxes A, B, C, D, E, F, G, H, I, J, K are kept one above the other. Box G is kept at fifth position from the top. Two boxes are kept between G and H. Box D is kept just above box H. There are as many boxes above box D as below box B. Five boxes are kept between box F and box K, which is kept at one of the positions below box G. Box A is kept at one of the positions above box F. Only one box is kept between Box G and Box C. Box I is kept above box E but not just above. Box E is not kept immediately above or immediately below box C.

**Q1. What is the position of box I?**

- (a) 8th from the bottom
- (b) 7th from the top
- (c) 3rd from the top
- (d) 6th from the bottom
- (e) none of these

**Q2. How many boxes are kept between box E and Box H?**

- (a) seven
- (b) six
- (c) five
- (d) four
- (e) eight

**Q3. Which among the following statement is true regarding box J?**

- (a) it is 7th from the bottom
- (b) Box K is placed above box J
- (c) only two boxes are kept between box B and box J
- (d) It is kept just below box H
- (e) All are true

**Q4. Which of the following represents the boxes kept between boxes A and I?**

- (a) C, B
- (b) A, K
- (c) F, G
- (d) J, D
- (e) none of these

**Q5. Which of the following box is kept just above box B?**

- (a) C
- (b) K
- (c) F
- (d) D
- (e) none of these

**Direction (6-8): Study the following information carefully and answer the given questions**

Point B is 14m east of point A. Point C is 9m north of point B. Point D is 12m east of point C. Point E is 15m south of point D. Point F is 30m west of point E. Point G is 10m north of point E. Point H is 18 m east of point G.

**Q6. If point X is 6m south of point A then which point is at shortest distance from point X?**

- (a) E
- (b) A
- (c) F
- (d) B
- (e) G

**Q7. What is the distance of point C from point H?**

- (a) 9m
- (b) 5m
- (c) 4m
- (d) 6m
- (e) 7m

**Q8. Point B is in which direction with respect to point F?**

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

**Direction (9-13): Study the following information carefully and answer the given questions**

Eight persons A, B, C, D, E, F, G, H are sitting around a circular table such that five of them are facing towards the center and the rest are facing away from the center. Three persons are sitting between F and H, who is facing center. C is 2nd to the right of F and faces opposite direction to F. A sits 3rd to the left of C. G is one of the neighbor of E. Two persons sit between G and B, who is not neighbor of H. G does not face C. G and A face same direction but opposite to F.

**Q9. What is the position of E with respect to A?**

- (a) immediate right
- (b) 5th to the left
- (c) 2nd to the right
- (d) 2nd to the left
- (e) none of these

**Q10. How many persons are sitting between C and H, when counted from the left of C?**

- (a) one
- (b) two
- (c) three
- (d) four
- (e) none

**Q11. Four of the five are alike in a certain way, which among the following does not belong to that group?**

- (a) C
- (b) B
- (c) F
- (d) D
- (e) E

**Q12. Which of the following represents the immediate neighbor of G?**

- (a) C
- (b) B
- (c) F
- (d) D
- (e) A

**Q13. Which of the following is not true regarding F?**

- (a) it faces towards the center
- (b) E is immediate left to F
- (c) Two persons sit between F and D, when counted from the right to D
- (d) All are true
- (e) no one sits between F and B

**Direction (14-18): Study the following information carefully and answer the given questions.**

Certain number of persons are sitting in a row facing north. M sits 4th to the right of S. Five persons sit between M and X. T sits at one of the positions left to S. The number of persons sitting between M and U are same as between S and T. Q is 2nd from one of the extreme ends. Four persons sit between S and U. No one sits to the right of N, who is immediate right to P. X is 3rd left to P. Not more than two persons sit between Q and U.

**Q14. How many persons are sitting in the row?**

- (a) 17
- (b) 20
- (c) 24
- (d) 26
- (e) 27

**Q15. How many persons are sitting between S and T?**

- (a) seven
- (b) six
- (c) five
- (d) four
- (e) eight

**Q16. What is the position of U from the left end?**

- (a) 6th
- (b) 5th
- (c) 4th
- (d) 2nd
- (e) 3rd

**Q17. How many persons are sitting between Q and M?**

- (a) seven
- (b) eleven
- (c) ten
- (d) nine
- (e) eight

**Q18. Which of the following represents the person sitting at extreme end?**

- (a) M
- (b) U
- (c) X
- (d) P
- (e) T

**Q19. If the second, fourth, seventh and eighth letter of the word "FRACTION" are combined to form a meaningful word, then what will be the 3<sup>rd</sup> letter from the left in the so formed word. If more than one meaningful word is formed then the answer is X, if no such word is formed then answer is Z?**

- (a) O
- (b) X
- (c) R
- (d) Z
- (e) C

**Q20. How many pair of digits have same number of digits between them in the number "573814269" as in the numeric series?**

- (a) five
- (b) four
- (c) six
- (d) three
- (e) more than six

**Direction (21-25): Study the following information carefully and answer the given questions:**

Movies of different duration released on different days starting from Monday to Friday (starting from Monday). Movie A was released On Tuesday. No movie released between A and the one which is of 75-minute duration. Only one movie is released between the one which is of 75-minute duration and the one which is of 100-minute duration. No movie released between the one which is of 100 minute and B. Only one movie released after B. B released immediately after 100-minute duration movie. Movie C released immediately after the one which is of 130-minute duration. More than two movies released in between C and D. The movie which is of 90-minute duration released before E. One of movie was of 20 minutes more duration than E.

**Q21. How many movies were released after E?**

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

**Q22. Which of the following movie was of 150-minute duration?**

- (a) E
- (b) A
- (c) There is no such movie
- (d) C
- (e) D

**Q23. What is the total duration of movie D and E together?**

- (a) 135
- (b) 225
- (c) 165
- (d) 175
- (e) 190

**Q24. Which of the following statement is true regarding B?**

- (a) The movie released after B is of 120-minute duration
- (b) Two movies released in between A and B
- (c) Movie B is of 100-minute duration
- (d) Total duration of movie B and A is 225 minutes
- (e) Movie A released after B.

**Q25. Which of the following statement is true?**

- (a) The movie released before A is of 130-minute duration
- (b) Three movies released in between A and E
- (c) No movie released in between A and E
- (d) Total duration of movie C and A is 230 minutes
- (e) Movie C released immediately after E.

**Direction (26-28): Study the following information carefully and answer the given questions:**

F is the husband of G. K is the mother-in-law of G. H is the Father of F. M is the mother of H, P is the mother of K and B.

**Q26. If Y is the father of H then how is Y related to M?**

- (a) Mother
- (b) Father
- (c) Sister
- (d) Brother
- (e) Husband

**Q27. How is P related to F?**

- (a) Grandfather
- (b) Aunt
- (c) Mother
- (d) Grandmother
- (e) Wife

**Q28. How is B related to H?**

- (a) Sister
- (b) Brother
- (c) Husband
- (d) Can't be determine
- (e) Wife

**Direction (29-31): Study the following information carefully and answer the given questions:**

There are six persons M, N, O, P, Q, R of different heights. N is shorter than M but taller than Q. Only two person are taller than M. R is taller than Q and O. Q is not the shortest. The one who is second shortest is 154m. P is not the shortest person.

**Q29. If M is 19m taller than Q then what is the height of M?**

- (a) 190m
- (b) 181m
- (c) 175m
- (d) 130m
- (e) 173m

**Q30. If P is 181m than which of the following is true?**

- I. Only one person is taller than P.
  - II. The difference between the heights of P and Q is 27m
  - III. O is the shortest person.
- (a) Only I
  - (b) Only II and I
  - (c) All are true
  - (d) Only III and II
  - (e) Only III and I

**Q31. How many persons are shorter than N?**

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

**Directions (32-35):** Question consists of Some statements followed by two conclusions. Consider 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 does not logically follow from the given statements using all statements together.

**Q32. Statements:** All Grills are Arrow. Some Hat are Grills. Some Cell are Arrow.

**Conclusions: I.** Some Cell are definitely not Grills.

**II.** Some Hat can never be Arrow.

- (a) Only I follows
- (b) Only II follows
- (c) Neither I nor II follow
- (d) Both I and II follow
- (e) Either I or II follow

**Q33. Statements:** All Grills are Arrow. Some Hat are Grills. Some Cell are Arrow.

**Conclusions: I.** Some Hat are Arrow.

**II.** Some Grills are Cell.

- (a) Only II follows
- (b) Only I follows
- (c) Either I nor II follow
- (d) Both I and II follow
- (e) Neither I or II follow

**Q34. Statements:** Some Door are Fan. No Door is Rose. No Fan is Shelf.

**Conclusions: I.** Some Fan can never be Rose.

**II.** Some Rose are Shelf is a possibility.

- (a) Neither I nor II follows
- (b) Only I follows
- (c) Either I or II follow
- (d) Both I and II follow
- (e) Only II follows

**Q35. Statements:** Some Door are Fan. No Door is Rose. No Fan is Shelf.

**Conclusions: I.** All Door are Shelf is a possibility.

**II.** All Shelf can be Doors.

- (a) Either I or II follows
- (b) Only II follows
- (c) Neither I nor II follow
- (d) Both I and II follow
- (e) Only I follows

**Direction (36-40): Study the following information carefully and answer the given questions:**

Fourteen persons are sitting in two parallel rows such that seven persons are sitting in each row. A, B, C, D, E, F, G are sitting in row-1 facing north while P, Q, R, S, T, U, V are sitting in row-2 facing south. G sits third to the left of A and neither of them sits at an extreme end of the row. The one faces A sits immediate right to T. Only one person sits between T and Q. The one who faces Q sits third to the right of E. S sits to the immediate left of V. S neither faces G nor E. D is an immediate neighbour of the one who faces S. The one who faces C sits fifth to the left of P. B sits third to the left of F. U sits at one of position to the right of R.

**Q36. Four of the following are alike in a certain way so form a group which of the following does not belong to that group?**

- (a) U
- (b) B
- (c) T
- (d) C
- (e) P

**Q37. How many persons sits between F and C?**

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

**Q38. Which of the following is not true regarding U?**

- (a) No one sits to the right of U
- (b) U sits third to the right of Q,
- (c) P is an immediate neighbour of U.
- (d) E is an immediate neighbour of the one who faces U,
- (e) Only two persons sit between U and S

**Q39. What is the position of C with respect to A?**

- (a) Second to the left
- (b) Third to the right
- (c) Immediate right
- (d) Immediate left
- (e) Second to the right

**Q40. What is the position of B with respect to D?**

- (a) Third to the left
- (b) Second to the left
- (c) Forth to the left
- (d) Third to the right
- (e) Fifth to the right

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## Solution

### Solution (1-5):

<b>BOX</b>
D
H
A
F
G
I
C
J
E
K
B

S1. Ans. (d)

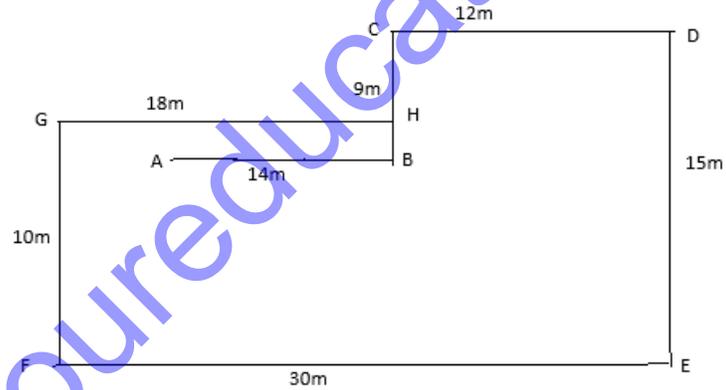
S2. Ans. (b)

S3. Ans. (c)

S4. Ans. (c)

S5. Ans. (b)

### Solution (6-8):

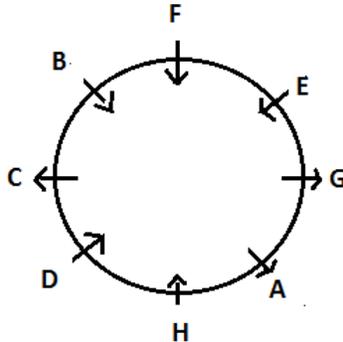


S6. Ans. (c)

S7. Ans. (b)

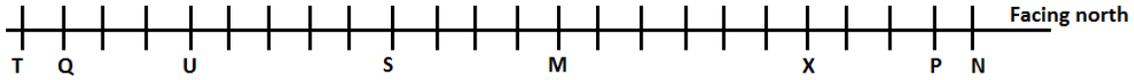
S8. Ans. (d)

### Solution (9-13):



- S9. Ans. (d)  
 S10. Ans. (a)  
 S11. Ans. (a)  
 S12. Ans. (e)  
 S13. Ans. (c)

Solution (14-18):



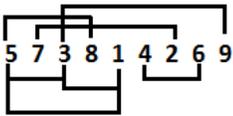
- S14. Ans. (c)  
 S15. Ans. (e)  
 S16. Ans. (b)  
 S17. Ans. (b)  
 S18. Ans. (e)

S19. Ans. (c)

Sol. 2<sup>nd</sup>, 4<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> letters are R, C, O, N  
 The meaningful word formed is CORN

S20. Ans. (e)

Sol.

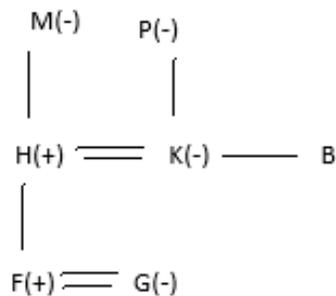


Solution (21-25):

Days	Movies	Duration
Monday	D	75
Tuesday	A	90
Wednesday	E	100
Thursday	B	130
Friday	C	120

- S21. Ans. (b)  
 S22. Ans. (c)  
 S23. Ans. (d)  
 S24. Ans. (a)  
 S25. Ans. (c)

Solution (26-28):



S26. Ans. (e)

S27. Ans. (d)

S28. Ans. (d)

Direction (29-31):

Sol.

$R/P > R/P > M > N > Q > O$

S29. Ans. (e)

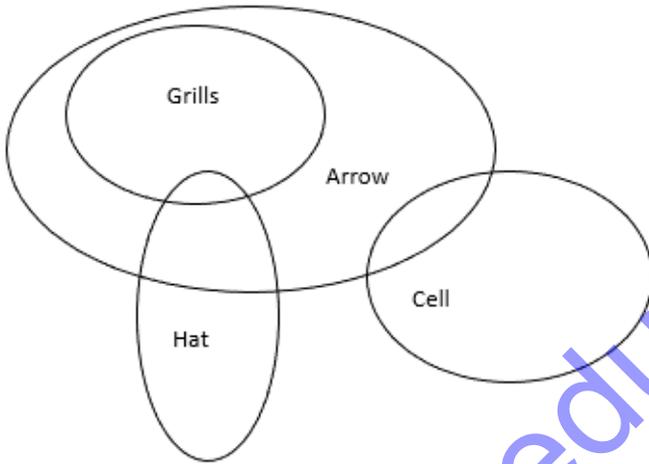
S30. Ans. (d)

S31. Ans. (b)

Solution (32-35):

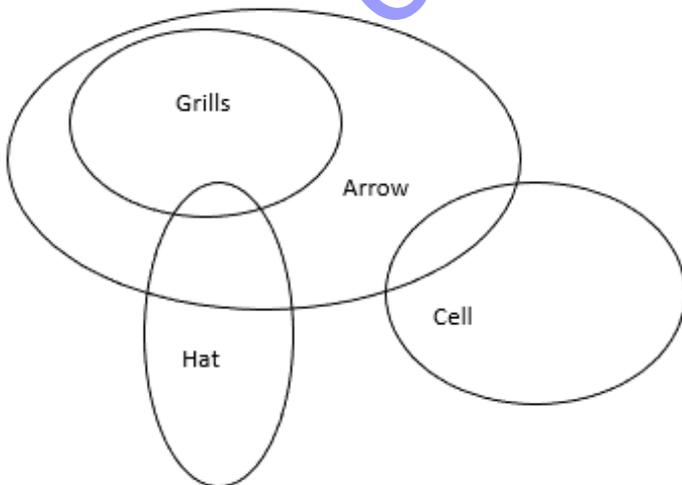
S32. Ans. (c)

Sol.



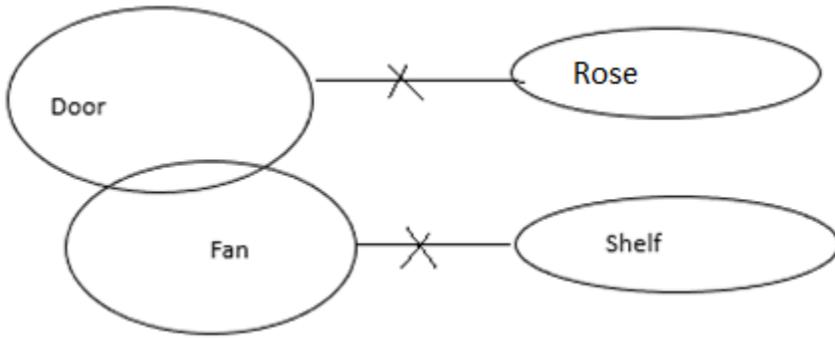
S33. Ans. (b)

Sol.



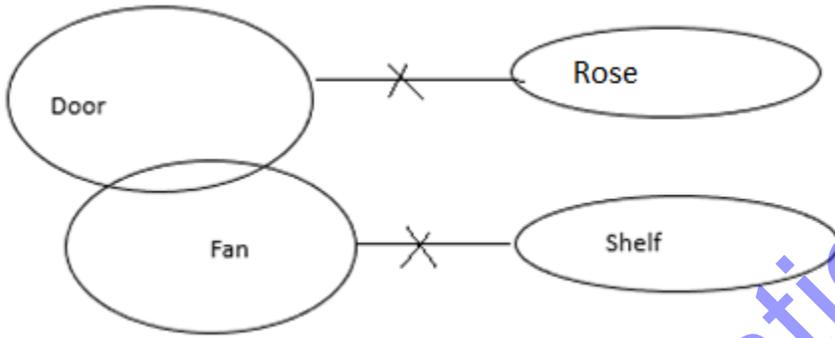
S34. Ans. (d)

Sol.



S35. Ans. (b)

Sol.



Solution (36-40):

Sol.

U P V S Q R T  
| | | | | | |  
Row-2

| | | | | | |  
B E G F D A C  
Row-1

S36. Ans. (e)

S37. Ans. (b)

S38. Ans. (b)

S39. Ans. (c)

S40. Ans. (c)

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