

Reasoning Ability

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

Sixteen persons- A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, and P are sitting around two concentric circular tables as one is inscribed in another one. Eight persons are sitting on the inner table facing outside. Eight persons are sitting on the outer table facing the center. Each person is sitting on the outer table faces the persons sitting on the inner table and vice versa.

C sits second to the left of the one who faces O. C sits on the outer table. Two persons sit between C and K. B sits second to the right of K. J sits opposite to the one who sits immediate right of I. I and B are immediate neighbors. J and I sit on the same table. The number of persons sit between I and C (when counted from the counted from the right of I) is the same as the number of persons sit between O and E. The one who faces E sits immediate left of M. The one who faces M sits second to the right of F. P sits third to the left of F. H sits immediate left of N. N faces the one who sits immediate right of D. Neither L nor G sits on the same table as A. The one who sits immediate right of A does not face G.

1) Who among the following person faces the one who sits immediate right of J?

- a) E
- b) The one who sits immediate left of M
- c) H
- d) The one who sits immediate right of L

e) The one who faces L

2) Who among the following person sits third to the right of C?

- a) The one who sits immediate left of I
- b) B
- c) The one who sits immediate right of D
- d) The one who sits second to the left of N
- e) None of the above

3) Which of the following statement is true?

- I. H and C are facing each other
 - II. D and A are sitting opposite to each other on the same table
 - III. K sits second to the left of M
 - IV. G and H are immediate neighbors
- a) Only II and IV
 - b) Only I and III
 - c) Only III and IV
 - d) Only I and II
 - e) None of these

4) Four of the following five are alike in a certain way and hence forms a group as per the given arrangement. Find the one which does not belong to the group?

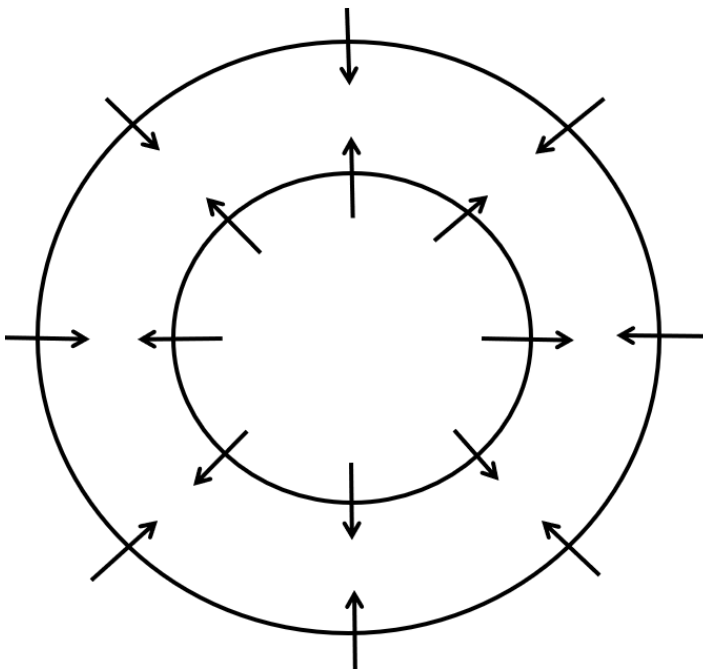
- a) DE
- b) BG
- c) OA
- d) KN
- e) HC

5) How many persons are sitting between J and the one who faces P when counted from the right of J?

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

Directions (6-10): Study the following information carefully and answer the questions given below:

Fourteen persons are sitting in two concentric circular tables as shown in the below diagram. P, Q, R, S, T, U, and V are sitting in the inner table facing away from the center, and A, B, C, D, E, F, and G are in the outer circular table facing the center. One chair in both the circular table is vacant but none of the vacant chairs are facing each other. All the information is not necessary in the same order.



The person facing C sitting third to the left of Q.
One person sits between C and E, none of them

are sitting adjacent to the vacant chair. The Person sits immediate right of E sits facing R, who sits third to the right of P. P sits facing the vacant chair. A sits third to the left of F. F neither sits adjacent to C nor sits adjacent to E. C doesn't sit facing the vacant chair. A neither sits facing the vacant chair nor sits facing U. One person sitting between U and S, who sits facing D. V sits immediate left of T and the person three places away from T sits facing B.

6) What is the position of U with respect to T?

- a) Second to the Left
- b) Immediate Right
- c) Third to the Right
- d) Third to the Left
- e) None of These

7) If all the persons in outer circular table are rearranged within the same position in alphabetical order in the counter-clockwise starting from A, then how many persons remain unchanged except A?

- a) Three
- b) One
- c) Two
- d) None
- e) More Than Three

8) Who among the following persons is sitting third to the right of the vacant chair in both tables?

- a) B and P
- b) Q and C
- c) G and V



- d) U and S
- e) None of These

9) Which of the statement is/are true?

- a) C sits second to the right of the one who sits facing Q
- b) Two persons are sitting between V and persons facing B when counted to the left of V
- c) As many persons are sitting between R and V is the same as the number of the persons sitting between C and D when counted to the left of C and to the right of R
- d) G sits second to the left of the vacant chair

- e) More than one statements are true

10) How many persons are sitting between V and S, when counted to the right of S?

- a) As many persons between G and F
- b) As many persons between the person facing C and Q when counted to the right of Q
- c) As many persons between the person facing R and A when counted to the left of A
- d) As many persons between the person facing U and D when counted to the right of D
- e) None of These

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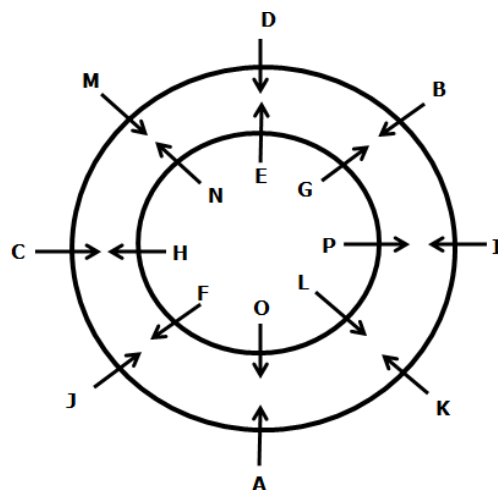


Answer Key with Explanation

Directions (1-5):

- 1) Answer: D
- 2) Answer: A
- 3) Answer: D
- 4) Answer: D
- 5) Answer: D

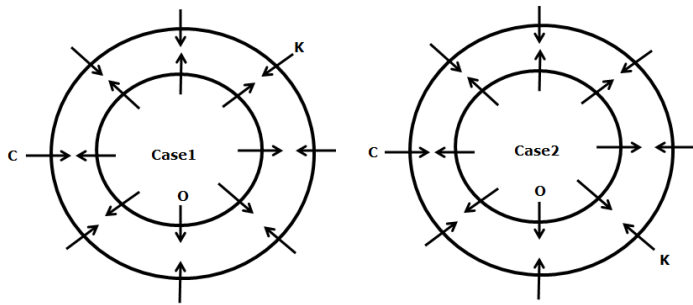
Final Arrangement



We have,

- C sits second to the left of the one who faces O.
- C sits on the outer table.
- Two persons sit between C and K.

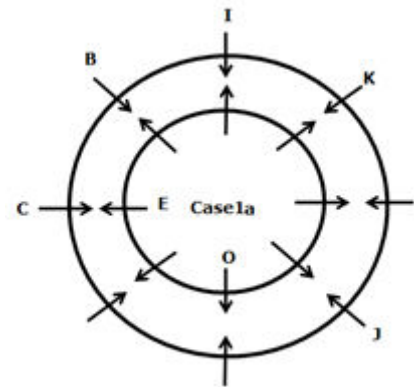
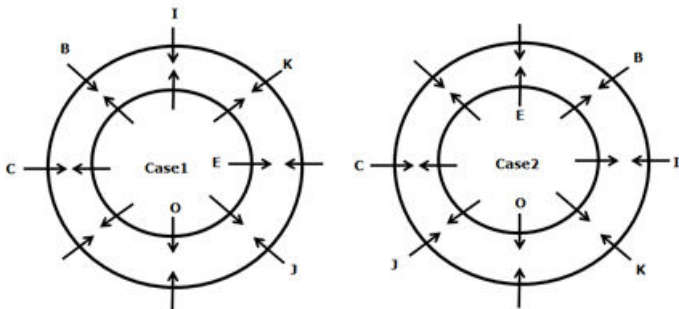
From the above condition, there are two possibilities.



Again we have,

- B sits second to the right of K.
- J sits opposite to the one who sits immediate right of I.
- I and B are immediate neighbors.
- J and I sit on the same table.
- The number of persons who sit between I and C (when counted from the counted from the right of I) is the same as the number of persons who sit between O and E.

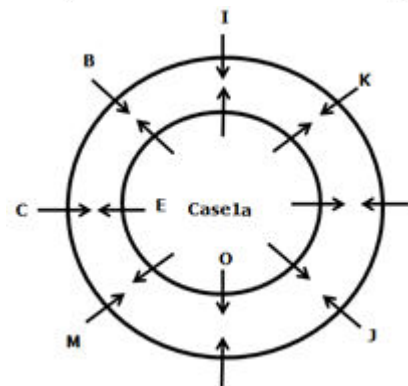
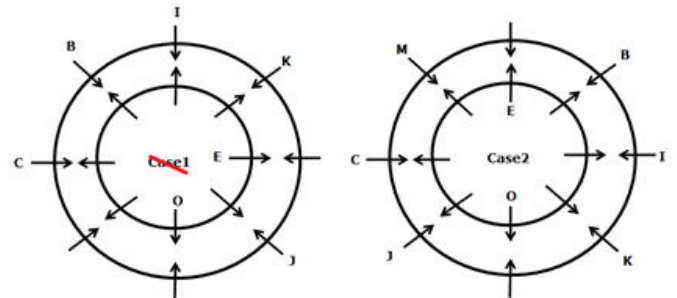
From the above condition, there are three possibilities.



Again we have,

- The one who faces E sits immediate left of M.

From the above condition, case1 gets eliminated.

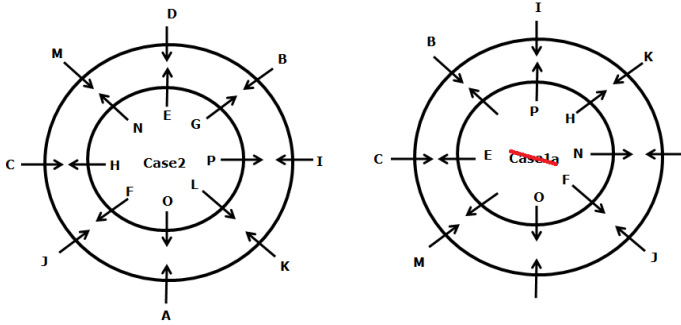


Again we have,

- The one who faces M sits second to the right of F.
- P sits third to the left of F.
- H sits immediate left of N.
- N faces the one who sits immediate right of D.
- Neither L nor G sits on the same table as A.

- The one who sits immediate right of A does not face G.

From the above condition, case 1a gets eliminated. Case 2 shows the final arrangement.

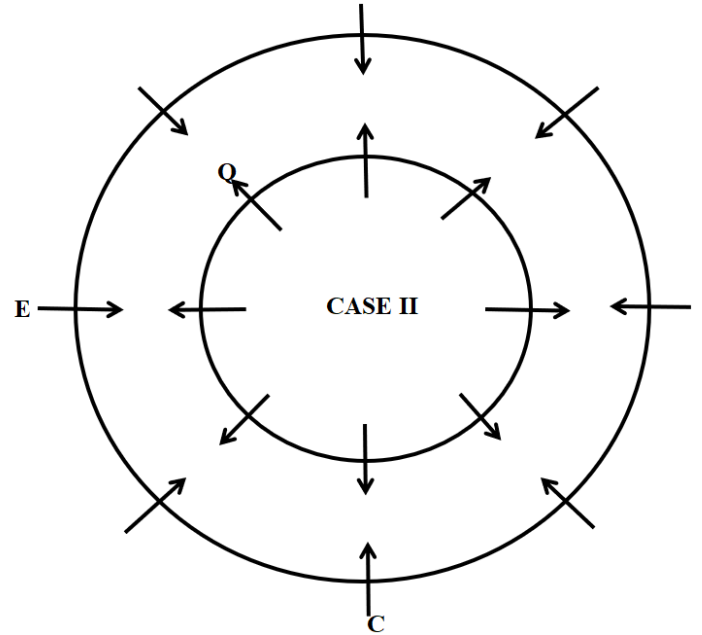
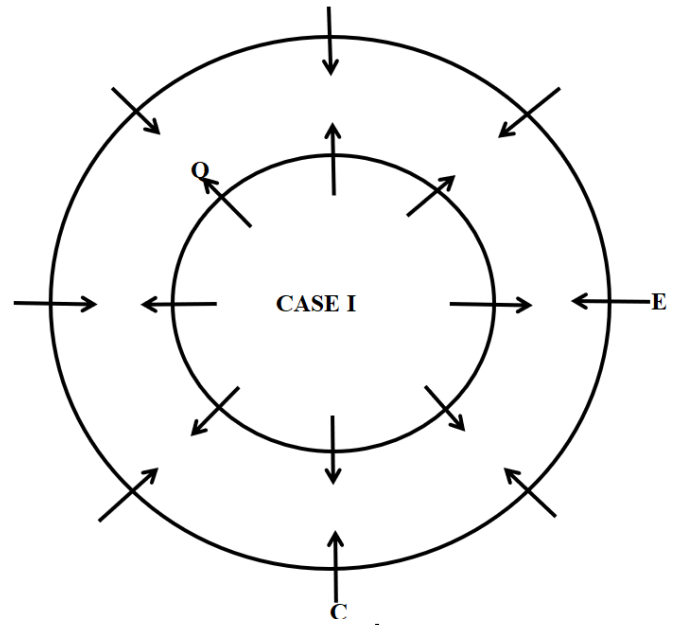


Directions (6-10):

- 6) Answer: E
- 7) Answer: B
- 8) Answer: E
- 9) Answer: E
- 10) Answer: C

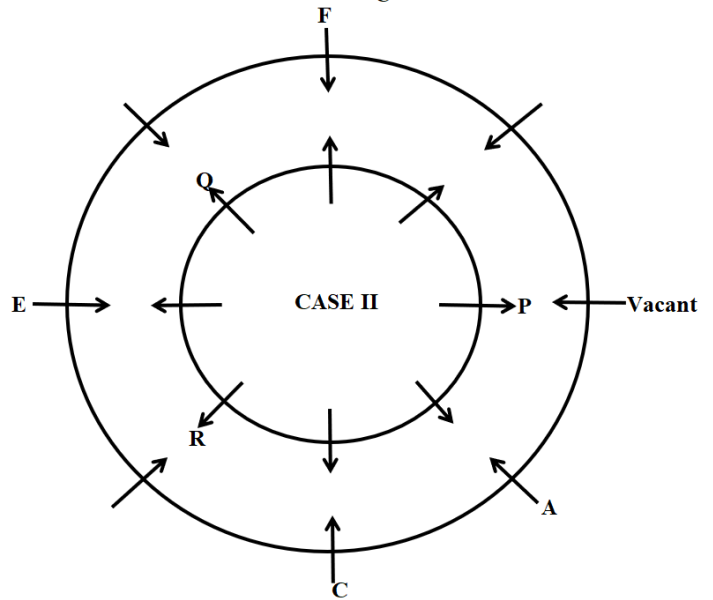
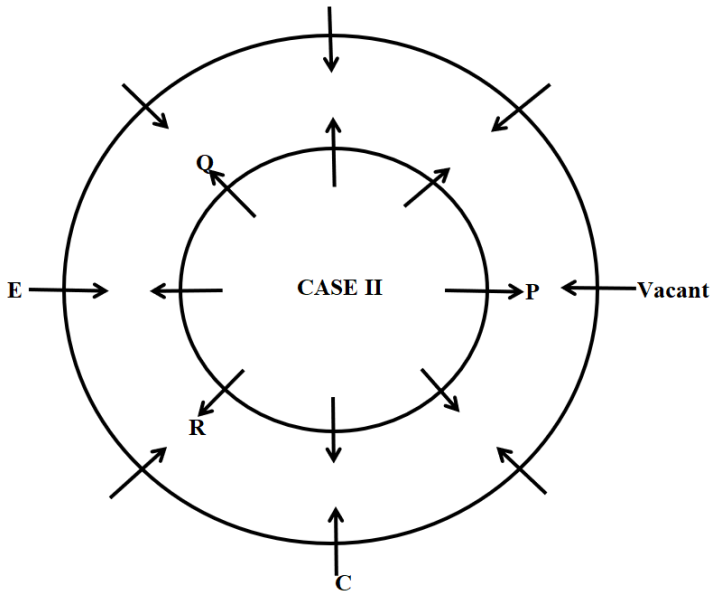
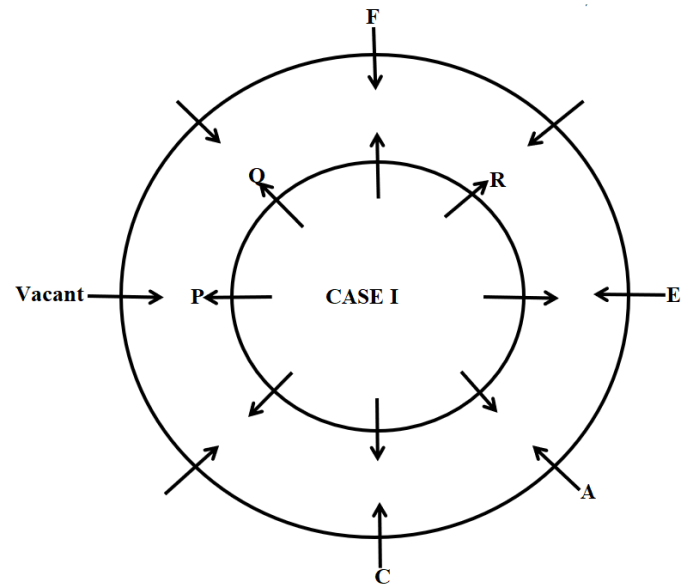
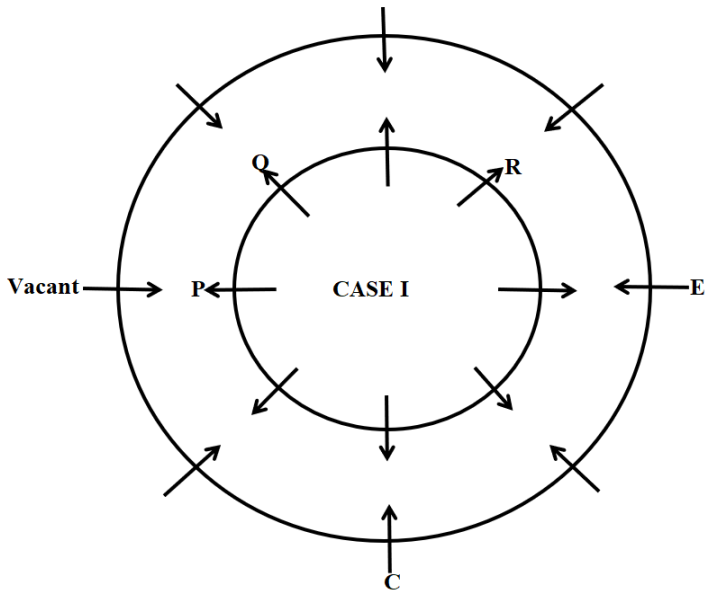
STEP I: The person facing C sitting third to the left of Q. One person sits between C and E, none of them are sitting adjacent to the vacant chair.

As per these statements, there are two possible cases and in **CASE I** E sits second to the right of C and in **CASE II** E sits second to the left of C and the arrangement will look like this:



STEP II: The Person sits immediate right of E sits facing R, who sits third to the right of P. P sits facing the vacant chair.

As per these statements, the arrangement will look like this:

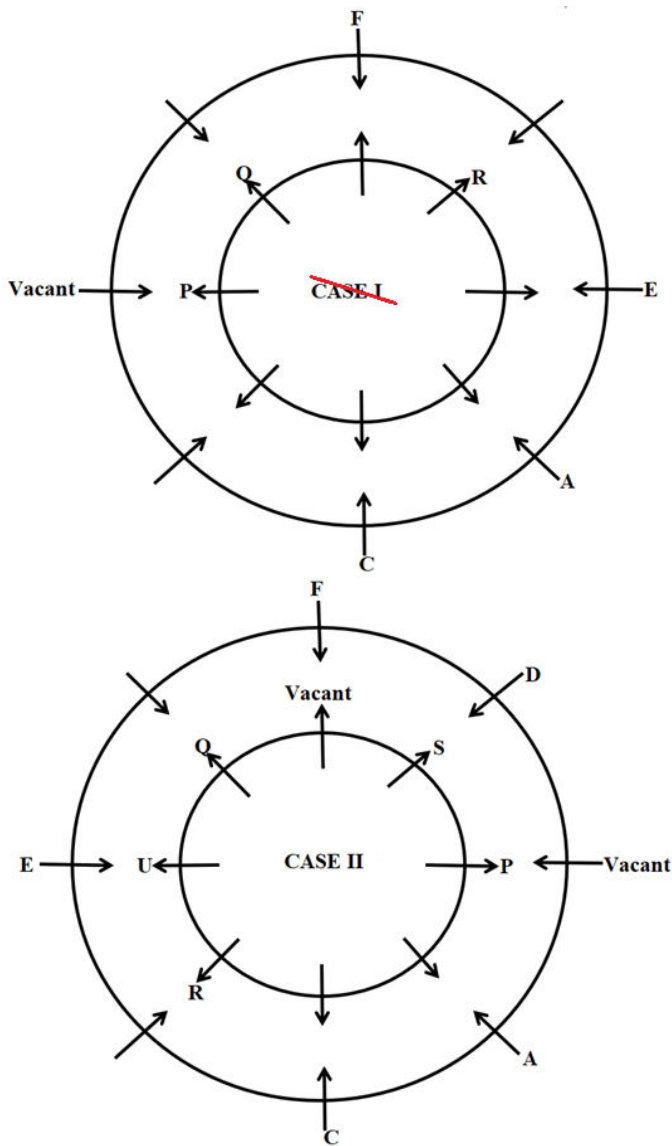


STEP III: A sit third to the left of F. F neither sits adjacent to C nor sits adjacent to E.

As per these statements, in **CASE I** and **CASE II** A sits immediate right of C and the arrangement will look like this:

STEP IV: C doesn't sit facing the vacant chair. A neither sits facing the vacant chair nor sits facing U. One person sitting between U and S, who sits facing D.

As per these statements, **CASE I** will get eliminated because A neither sits facing the vacant chair nor sits facing U and now we will continue with **CASE II** and the arrangement will look like this:



STEP V: V sits immediate left of T and the person three places away from T sits facing B.

As per these statements, it can be concluded that T sits facing C and B sits facing Q and the final arrangement will look like this:

