

Circular Arrangements**Part 1 - Basic****Model 1: Simple Arrangement**

Directions (1-6): Study the following information to answer the given questions:

A, B, C, D, E, F, G and H are sitting around a circle facing the centre. H is fourth to the left of B and second to the right of F. A is third to the left of C, who is not an immediate neighbor of F. G is second to the left of A. D is second to the right of E.

1. Who is on the immediate right of F?
1) H 2) A 3) G 4) Data inadequate 5) None of these
2. Who is third to the left of A?
1) C 2) F 3) B 4) Data inadequate 5) None of these
3. In which of the following pairs is the first person sitting on the immediate left of the second person?
1) EH 2) CE 3) AF 4) DB 5) None of these
4. Which of the following pairs represents the immediate neighbors of E?
1) DH 2) HC 3) CA
4) Data inadequate 5) None of these
5. Who is on the immediate right of H?
1) E 2) C 3) H
4) Data inadequate 5) None of these
6. Who is on the immediate right of B?
1) D 2) E 3) F
4) Data inadequate 5) None of these

Directions (7-11): Study the following information to answer the given questions:

A, B, C, D, E, F, G and H are sitting around a circle facing the centre. B is third to the right of F and third to the left of H. C is fourth to the left of A, who is not an immediate neighbor of F or B. E is not an immediate neighbor of B. G is second to the right of D.

7. Who is to the immediate left of B?
1) D 2) G 3) D or G 4) Data inadequate 5) None of these
8. Who is to the immediate right of H?
1) A 2) E 3) F 4) Data inadequate 5) None of these
9. Which of the following pairs represents the immediate neighbors of F?
1) CH 2) ED 3) HD 4) CE 5) None of these
10. In which of the following pairs is the first person sitting to the immediate right of the second person?
1) BG 2) GA 3) AH 4) HE 5) CF
11. Who is third to the left of E?
1) A 2) C 3) G
4) Data inadequate 5) None of these

Directions (12-16): Study the following information to answer the given questions:

Eight friends A, B, C, D, E, F, G and H are sitting around a circle facing the centre. E is third to the left of G, who is on the immediate right of B, who is third to the left of A. H is second to the right of F, who is not an immediate neighbor of E. D is not an immediate neighbor of B.

12. Who is second to the right of B?
1) F 2) A 3) H 4) D 5) None of these

- ### Model 2: Complex Arrangement

The politician sits third to the right of G. C is an immediate neighbour of G. The architect sits second to the right of C. B sits third to the right of H. H is neither a politician nor an architect. Only one person sits between C and the teacher. A and F are immediate neighbours of each other. Neither A nor F is a politician. The doctor sits second to the right of A. Two people sit between D and the engineer. D is not a politician. The pilot is not an immediate neighbour of the politician. The banker sits second to the left of A.

- 1) Businessman 2) Architect 3) Banker 4) Politician 5) Engineer

C is facing the centre. E is sitting third to the right of C. F is sitting third to the left of E. Three persons are sitting between F and B. The immediate neighbours of B are females. G is sitting third to the right of F. D is sitting third to the right of A. A is not

an immediate neighbour of E. Neighbours of E are males. The immediate neighbours of Dare are females and face outside. The one sitting third to the left of B is a male. No female is an immediate neighbour of G.

24. Who is sitting second to the right of E?

- 1) C 2) B 3) G 4) H 5) None of these

25. How many persons are sitting between H and C when counted from the left side of H?

- 1) One 2) Two 3) Three 4) Four 5) More than four

26. Which of the following statements is true regarding H?

- 1) The one who is second to the right of H is a female.
 2) H is facing the centre.
 3) H is a male.
 4) The immediate neighbours of H are facing outside.
 5) None is true.

27. What is D's position with respect to G?

- 1) Third to the left 2) Third to the right 3) Second to the left
 4) Second to the right 5) None of these

Directions (28-29): Four of the following five are alike in a certain way based on their seating positions in the above arrangement and hence form a group. Which of the following does not belong to the group?

28. 1) BE 2) CG 3) GA 4) DH 5) AF
 29. 1) B 2) F 3) G 4) A 5) D

30. If all the friends are asked to sit in an alphabetical order starting from A in an anti clockwise direction, the positions of how many will remain unchanged (excluding A)?

- 1) Four 2) Three 3) Two 4) One 5) None

Answers

1 - 2	2 - 3	3 - 4	4 - 2	5 - 1	6 - 5	7 - 1	8 - 2	9 - 4	10 - 5
11 - 3	12 - 1	13 - 4	14 - 3	15 - 5	16 - 2	17 - 1	18 - 3	19 - 3	20 - 5
21 - 2	22 - 4	23 - 4	24 - 3	25 - 2	26 - 1	27 - 2	28 - 3	29 - 4	30 - 4

Part 2 - Advanced

Directions (1-7): Study the following information carefully and answer the given questions: A, B, C, D, E, F, G and H are sitting around a circle around a circle facing the centre but not necessarily in the same order.

- 1) B sits second to left of H's husband. No female is an immediate neighbor of B.
 2) D's daughter sits second to right of F. F is the sister of G. F is not an immediate neighbor of H's Husband.
 3) Only one person sits between A and F. A is the father of G. H's brother D sits to the immediate left of H's mother. Only one person sits between H's mother and E.
 4) Only one person sits between H and G. G is the mother of C. G is not an immediate neighbour of E.

1. What is the position of A with respect to his mother-in-law?

- 1) Immediate left 2) Third to the right 3) Third to the left
 4) Second to the right 5) Fourth to the left

2. Who amongst the following is D's daughter?

- 1) B 2) C 3) E 4) G 5) H

- Directions (8-12):** Study the following information carefully and answer the given questions. P, Q, R, S, T, V, W and X are captains of eight different cricket teams, namely Australia, New Zealand, India, Pakistan, Sri Lanka, England, West Indies and South Africa, but not necessarily in the same order. All of them are seated around a circular table and are facing centre. P sits third to the left of the Sri Lanka captain. Only two people sit between T and W. Neither T nor W is immediate neighbour of P. Neither T nor W is the captain of Sri Lanka. The captain of South Africa sits second to the right of S. S is not an immediate neighbour of P. S is not the Sri Lankan captain and P is not the captain of South Africa. The Australian captain sits third to the left of V. The Australian and Sri Lanka captains are not immediately neighbours. Only one person sits between S and the Indian captain. Captains of Pakistan and New Zealand are immediate neighbours. S is not the captain of New Zealand's team. Only one person sits between Q and the captain of England. The captain of England is an immediate neighbour of X. W and Q are not immediate neighbours.

- Directions (13-17):** Study the following information carefully and answer the questions given below:

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four of them at four corners of the square table while four sit in middle of each of the four sides. The ones who sit at the four corners face the centre while those who sit in the middle of the sides face outside.

- S is an immediate neighbour of both E and V. S sits in the middle of one of the sides of the table.
- Only one person sits between E and H.
- T sits second to the right of U. U is not an immediate neighbour of E but V.
- F is not an immediate neighbour of G.
- G faces a direction opposite to that of U. (i.e. If U faces the centre then G faces outside and vice-versa)

13. How many people sit between F and G when counted from the right side of F?

- 1) Three 2) Two 3) Four 4) None 5) One

14. Which of the following is true regarding F?

- 1) Only three people sit between F and H
 2) F sits in middle of one of the sides
 3) F sits second to right of U
 4) None of the given options is true.
 5) Both S and G are the immediate neighbours of F.

15. Who sits to the immediate right of H?

- 1) U 2) S 3) G 4) F 5) T

16. Four of the following five are alike in a certain way based on the given arrangement and so form a group. Which is the one that does not belong to that group?

- 1) T 2) V 3) G 4) H 5) E

17. What is the position of U with respect to E?

- 1) Third to the right 2) Fifth to the left 3) Second to the left
 4) Third to the left 5) Second to the right

Directions (18-20): Study the following information carefully and answer the questions given below:

Seven friends A, B, C, D, E, F and G are sitting around a circular table facing either the centre or outside. Each one of them belongs to different department, Finance, Marketing, Sales, HR, Corporate Finance, Investment Banking and Operations but not necessarily in the same order. C sits third to the right of G. G faces the centre. Only one person sits between C and the person working in the HR department. Immediate neighbours of C face outside. Only one person sits between F and D. Both F and D are facing the centre. D does not work in HR Department. A works in Investment Banking Department. A faces the centre. Two person sit between the person who works in Investment Banking and Marketing departments. The person who works in the Corporate Finance sits immediate left of E. C faces same direction as E. The person who works in the Corporate Finance sits to the immediate left of the person who work for Operations department.

18. For which of the following Department Does B works?

- 1) Finance 2) HR 3) Operation 4) Marketing 5) Corporate Finance

19. Who sits to the immediate right of E?

- 1) The person works for Marketing Department
 2) The person works for HR Department
 3) C 4) B 5) A

20. Who sits exactly between C & the person who works for HR department?

- 1) The person works for Marketing Department
 2) The person works for Operation Department

3) B

4) D

5) G

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

Ravi, Minal, Himanshu, Amit, Santosh, Ankit, Usha and Savita are eight persons sitting around a circle facing center in one arrangement and in a straight line facing north in another arrangement. Usha sits on the immediate left of Savita in the circle, but both are not immediate neighbours of each other in the straight line. Santosh sits third to the right of Minal in the circle, while fourth to his left in the straight line. The one who sits on the immediate left of Minal in straight line is sitting on the immediate right of Minal in the circle. Ankit and Himanshu are the immediate neighbour of Minal in both the arrangements, but Himanshu is not at the extreme ends of the row. One of the immediate neighbour of Savita in straight line sits opposite Savita in the circle. The one who sits on the extreme left end sits second to the right of Santosh in the circle. Savita is not on the immediate left of Ankit in both the arrangements. Amit sits third to right of Ankit in the straight line.

21. Who sits third to left of Ravi in the circle?
a) Santosh b) Minal c) Himanshu d) Savita e) None of these
22. Which of the following pair sits at extreme ends of the row?
a) Savita, Minal b) Usha, Ravi c) Amit, Ankit
d) Amit, Usha e) None of these
23. Who among the following sits on the immediate left of Amit in the circle?
a) Ravi b) Minal c) Himanshu d) Santosh e) None of these
24. The person sitting exactly between Usha and Ankit in the straight line is sitting at what position in the circle?
a) Second to right of Minal b) Immediate right of Ravi
c) Between Himanshu and Usha d) Third to left of Santosh e) None of these
25. The one who sitting in the left end of the row is sitting at what position in the circle?
a) Between Minal and Ankit b) Immediate right of Savita
c) Between Santosh and Usha d) Second to the right of Santosh e) None of these

Directions (26): Study the following information carefully and complete the arrangement:

26. Eight members A, B, C, D, E, F, G and H of a family are sitting around a circular table. Four among them are facing the center of a table whereas rest four members are facing outward. There are three married couples among them. Each family member is born in a different year. Among A and B, one is facing the center and the other is facing outward. D is facing opposite side of that of A and is sitting beside A. G is the oldest member and is beside the one who is facing A. A's husband is facing inward. B is brother of G and they have 8 years of gap between them. C is the son of F who is the only sister-in-law of B. C was born when his mother was 20 years old. G's wife was born in 1964 and is younger to G by 3 years. D is younger to his sister by 5 years. C is second to the left of B's wife and is to the immediate left of C's father. C is the nephew of A's husband. F is three places from C and is sitting beside C's wife who is 3 years younger to C. D is the maternal uncle of H and is third to the left of his brother-in-law. H is the youngest among them and was born in 2010. H is third to right of his Grandfather.

Directions (27-31): Study the following information carefully and answer the given questions.

P, Q, R, S, T, V, W and X are captains of eight different cricket teams, namely Australia, New Zealand, India, Pakistan, Sri Lanka, England, West Indies and South Africa, but not necessarily in the same order. All of them are seated around a circular table and are facing centre. P sits third to the left of the Sri Lanka captain. Only two people sit between T

and W. Neither T nor W is immediate neighbour of P. Neither T nor W is the captain of Sri Lanka. The captain of South Africa sits second to the right of S. S is not an immediate neighbour of P. S is not the Sri Lankan captain and P is not the captain of South Africa. The Australian captain sits third to the left of V. The Australian and Sri Lanka captains are not immediately neighbours. Only one person sits between S and the Indian captain. Captains of Pakistan and New Zealand are immediate neighbours. S is not the captain of New Zealand's team. Only one person sits between Q and the captain of England. The captain of England is an immediate neighbour of X. W and Q are not immediate neighbours.

27. How many people sit between T and the captain of England when counted in clockwise direction from T?

- 1) None 2) One 3) Two 4) Four 5) Five

28. Who is the captain of the Australian team?

- 1) P 2) V 3) W 4) T 5) Q

29. Which of the following is true with respect to the given seating arrangement?

- 1) R is the captain of South Africa.
 2) W is an immediate neighbour of V.
 3) The captains of Australia and England are immediate neighbours.
 4) Four people sit between W and Q.
 5) X sits second to the left of S.

30. Who is the Indian captain?

- 1) Q 2) V 3) X 4) T 5) Cannot be determined

31. What is the position of the captain of West Indies with respect to R?

- 1) Immediately left 2) Second to the left 3) Third to the right
 4) Second to the right 5) Third to the left

Directions (32): Study the following information carefully and complete the arrangement:

32. There are eight friends – Prema, Tina, Ruchi, Bhumu, Vani, Kriti, Radha and Shreya. They have been given 8 different letters token – A, B, C, D, E, F, G and H, but not necessarily in the same order. They like different fruits – apple, grapes, banana, lichi, papaya, mango, orange and melon but not necessarily in the same order. They all are sitting around a circular table with equal people facing inside and outside. The one having token D is sitting third to left of one having token A whose name is not Vani and does not like banana. The one having token C is facing outside and sitting between the ones having tokens F and G who like mango and papaya respectively. Tina is sitting to the immediate left of the one having token A who does not like lichi and melon. Shreya is sitting second to right of the one who likes mango. The one who likes melon is facing inside and sitting second to left of the one who likes lichi and he is also sitting third to right of Prema. The one having token C is sitting second to right of the one having token D whose name is Ruchi and likes apple. Kriti who likes grapes is neither A nor H. Prema is not sitting to the immediate left of Ruchi. Both the neighbors of the one having token B are facing inside. The one having token F is facing inside. The ones having tokens B and C face same direction. The one having token E is to the immediate right of Radha and he is also sitting second to right of the one having token H. The one who likes orange is sitting second to left of the one having token G.

Directions (33-36): Study the given information and answer the following questions.

A, B, C, D, E, F, G and H are the eight family members. These members are four married couples and are sitting in a circle facing the centre. Each male member likes different games football, cricket, tennis and baseball. D and H are sitting together. D takes cricket and H likes baseball. The wife of each man is seated beside her husband. G, the wife of the person who likes football is seated second to the right of H. F is seated between G and H. B is the wife of the person who likes tennis. C does not like tennis and E is male.

- Directions (37):** Study the following information carefully and complete the arrangement:

38. Six couples have been invited to a dinner party. They are Nitika, Geetika, Lajwanti, Rekha, Savitri, Chameli and Faizal, Harbhajan, Akshay, Tirlochan, Ranveer, Aamir. They are seated on a circular table facing each other.

39. There are 16 persons – B,C,D,E,F,G,H,I,P,Q,R,S,T,U,V and W standing in a Circular plot. Inside a circular plot, a circularly shaped garden is developed. The persons who are standing inside the garden facing outside. The persons who are standing outside the garden facing inside the centre and lives in a different number of floors. So all the persons standing in the inner circle faces the persons standing in the outer circle and hold a different number of chocolates.

G faces outside and S faces G. D sits immediate right of G. There are four persons sits between G and E. H is not an immediate neighbour of E. There are two persons standing between D and H. H faces R. There are three persons standing between R and U. U stands exactly between the B and F. B faces D. There are two persons standing between P and C. Neither S nor R is an immediate neighbour of P. I stands to the immediate left of H. I faces T. The one who faces F stands exactly between the person's Q and W. W faces P. H stands second to the left of G. B lives on the second floor and sits exactly opposite to the person

who lives on the floor which is the square number of the floor of B. F lives on the third floor and stands exactly opposite to the person who lives on the floor which is the square number of the floor of F. P lives on 6th floor and S lives immediately above P. U lives immediately below B. R lives immediately above T. The one who faces P holds chocolates two less than the number of the floor occupied by P. The one who faces U holds chocolates six more than the number of the floor occupied by U. Number of chocolates hold by E is the difference between the number of chocolates hold by D and W. Number of chocolates hold by G is the sum of the number of chocolates hold by D and E also equals to number of chocolates hold by V and H. Number of chocolates hold by I is the square of the number of chocolates hold by H.

Answers

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|---|---|
| 1. Second to the right | 21. Himanshu |
| 2. E | 22. Amit, Usha |
| 3. Immediate right | 23. Santosh |
| 4. Three | 24. Between Himanshu and Usha |
| 5. C | 25. Second to the right of Santosh |
| 6. B is the mother of H | 26. - |
| 7. F's grandmother | 27. Two |
| 8. Two | 28. T |
| 9. P | |
| 10. The captains of Australia and England are immediate neighbours. | 29. The captains of Australia and England are immediate neighbours. |
| | 30. T |
| 11. T | 31. Second to the right |
| 12. Second to the right | 32. - |
| 13. Four | 33. Second to the left |
| 14. F sits in middle of one of the sides. | 34. B |
| 15. T | 35. F is H's wife |
| 16. T | 36. C and H |
| 17. Third to the left | 37. - |
| 18. Operation | 38. - |
| 19. The person works for HR Department. | 39. - |
| 20. The person works for Marketing Department | |