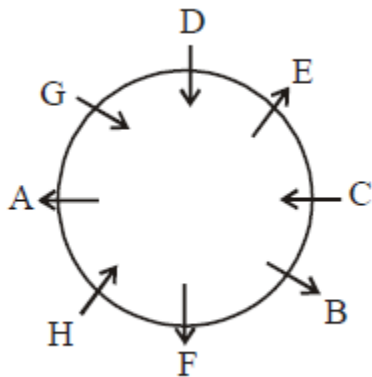# Circular Arrangements

Set 1

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

Eight Cetking students A, B, C, D, E, F, G and H are sitting around a circular table for playing a game. Four of them A, B, E and F are not facing the centre. D is third to the left of H, who is fourth to the right of E. A is third to the right of B, who is third to the left of D. F is second to the left of C.

1. How many persons sit between A and B (if the counting start from B in CW direction)?
1) None 2) One 3) Two 4) Three 5) Other than given options

2. Who among the following sits third to the left of E?
1) G 2) A 3) H 4) D 5) B

3. What is the position of G with respect to F?
1) Third to the right   2) Third to the left
3) Second to the right   4) Cannot be determined
5) Other than given options

4. Who among the following is the neighbour of F and C?
1) E 2) H 3) A 4) B 5) Other than given options

5. Four of the following five are alike in a certain way and hence form a group. Find the one that does not belong to that group.
1) EC 2) AG 3) DE 4) HA 5) FB

Start from H

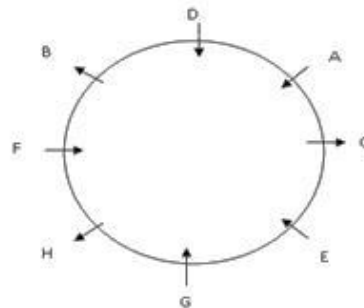

1. 3
2. 2
3. 1
4. 4
5. 5

SET 4

Directions (1-5): Read the information given below and then answer the questions that follow:

Eight Cetking students A, B, C, D, E, F, G and H are sitting around a circle in such a way that three of them are facing outside and rest of them are facing the centre.

E is 2nd to the left of H, who is facing outside. D is second to the left of F and third to the right of E, who is facing the centre. B is third to the left of G and faces outside. G is third to the left of A, who is not an immediate neighbor of E and F. The friends facing outside are not adjacent.

1. Which of the following group is facing outside?
(1) BHE (2) CBH (3) CDH (4) cannot be determined (5) None

2. What is D's position with respect to A?
(1) Immediate right   (2) 3rd to the left
(3) Opposite   (4) 2nd to the right
(5) Immediate left

3. Who is 2nd to the right of B?
(1) H (2) G (3) C (4) A (5) D

4. If all the friends change their respective position to immediate right place then who are still facing inside the centre?
(1) A and E (2) F and D (3) C and G (4) A and D (5) G and A

5. Which of the following is true about the given information?
(1) C and F are facing each other
(2) E is third to the left of F
(3) C is third to the left of B
(4) G and A are two places away from each other.
(5) None of these

Start from H

SET 5

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

Eight Cetking students Ameer, Sally, Nalini, Madie, Ruchi, Omkar, Phani and Tanmay are sitting around a circular table. Three of them are facing the centre.
Ruchi is not an immediate neighbor of Madie or Nalini. The one who sits exactly between Madie and Omkar, who is not facing the centre. Phani is third to the right of Ameer and is facing the centre. Nalini is third to the left of Madie and both are facing the centre. Omkar is immediate neighbor of Ruchi but not the neighbor of Ameer. Sally is the neighbour of Omkar.
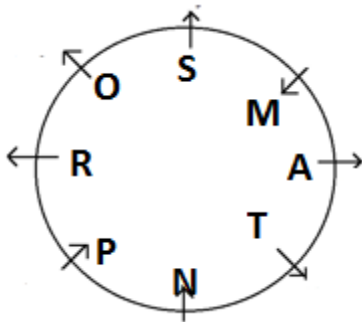
Q11. Who among the following is second to the right of Sally?
(a) Ruchi (b) Ameer (c) Nalini (d) Phani
(e) Other than given as options

Q12. Who among the following sits opposite Nalini?
(a) Sally (b) Ameer (c) Phani (d) Tanmay (e) Omkar

Q13. Who among the following sits third to the left of Nalini?
(a) Madie (b) Ruchi (c) Omkar (d) Phani (e) None of the above

Q14. What is the position of Omkar with respect to Sally?
(a) Third to the right   (b) Second to the left
(c) Immediate left   (d) Immediate right
(e) None of the above

Q15. Who among the following are immediate neighbours of Ameer?
(a) Madie, Tanmay (b) Madie, Sally   (c) Nalini, Tanmay
(d) Nalini, Ruchi   (e) None of the above

S11. Ans.(b)
S12. Ans.(a)
S13. Ans.(c)
S14. Ans.(c)
S15. Ans.(a)

SET 8

Directions (6-11): Study the following information carefully and answer the questions given below:

A, B, C, D, E, F and G are seven family members of a Cetking student are sitting around a circular table with only 3 people facing the centre.

There are two married couples, two sons and two daughters in the family.
D sits third to the right of her grandson and both faces centre.
G is son of C and father of B.
F sits second to the right of her mother but is not an immediate neighbor of her father.
E sits third to the left of her daughter but is not an immediate neighbor of her husband.
D is grandmother of A. A is not granddaughter of C, who is an immediate neighbor of his wife.

Q6. How many females are there in the family?
(a) Two
(b) Three
(c) Four
(d) Can't be determined
(e) None of the above

Q7. Who among the following are parents of A?
(a) F, D
(b) G, E
(c) C, D
(d) E, F
(e) None of the above

Q8. How is F related of E?
(a) Sister-in-law
(b) Son
(c) Daughter
(d) Sister
(e) None of the above

Q9. Who among the following is third to the right of D?
(a) F
(b) A
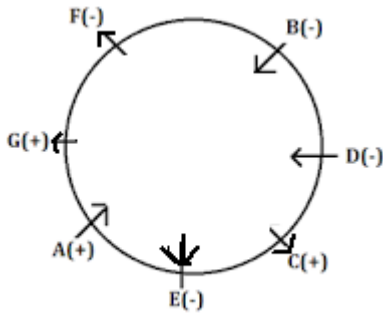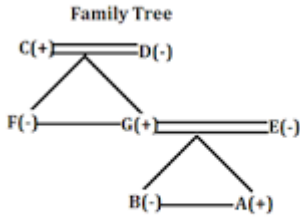(c) G
(d) E
(e) None of the above

Q10. Who among the following are immediate neighbours of F?
(a) G, D
(b) A, B
(c) D, C
(d) B, G
(e) None of these

Q11. Which of the following statements is/are true?
(a) G is mother of A
(b) F is granddaughter of D
(c) B is sister of F
(d) F is aunt of A
(e) None of the above

Circular Arrangements

Family Tree

C(+)══════D(-)

F(-)──────G(+)══════E(-)

B(-)──────A(+)

F(-)   B(-)

G(+)   D(-)

A(+)   C(+)

E(-)

C
B
A
C
D
D

SET 7

Eight family members with 3 couples of a Cetking student S, T, U, V, W, X, Y and Z are sitting around a circular table but not facing centre. Only two people sit between T and W. T faces the centre. X sits second to the right of T. W is the wife of S. No females is an immediate neighbour of W. U is not an immediate neighbour of T. U is the daughter of W. Both the immediate neighbours of U face the centre. Only three people sit between S and U's brother. X is not the brother or husband of U. S, U and U's brother none of them is an immediate neighbour of X. V sits three places away from Y's husband. Z, the wife of T, sits to the immediate left of V. Both Y and S face a direction opposite to that of U (i.e if U faces the centre then both Y and S face outside and vice-versa). U's husband sits second to the left of Y. T's father sits to the immediate right of W. T sits second to the right of S's father. Both the immediate neighbours of X are females. Y is grandmother of T.

1. How many people sit between T and S's father when counted from the right of T?
a) Four
b) Three
c) None
d) One
e) Two

2. Who amongst the following sits exactly between Y and W when counted from the left of Y?
a) T
b) X
c) S
d) z
e) U

3. Which of the following statements regarding T is definitely true?
a) X and Z are immediate neighbours of T.
b) T sits second to the left of X.
c) T is the son of S.
d) None of the given options is correct.
e) V is the father of T.

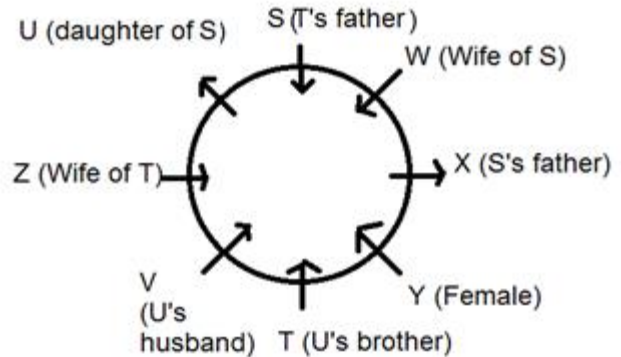4. Who amongst the following faces outside (i.e opposite to the centre)?
a) W
b) V
c) U
d) Z
e) T

5. If it is given that Y is married to X, then what is the position of T with respect to Y's daughter-in-law?
a) Third to the right
b) Second to the right
c) Immediate right
d) Second to the left
e) Third to the left

D
D
C
C
E

U (daughter of S)   S (T's father)
W (Wife of S)
Z (Wife of T)   X (S's father)
V (U's husband)   Y (Female)
T (U's brother)

SET 9

Directions: Study the following information carefully and answer the questions given below:

Eight Cetking students Q, R, S, T, V, W, Y and Z are sitting around a circular table, facing the centre. There are three males and five females in the group of friends. No two males are immediate neighbours of each other.
•V sits second to the right of his wife.
•S sits third to the right of V.
•W sits second to the right of her husband Z. Z is not an immediar neighbour of V's wife.
•T is a male and Y is not an immediate neighbour of V.
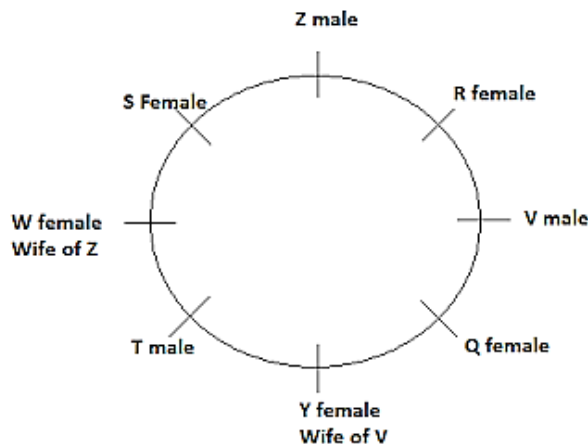•R sits second to the right of Q.

1.What is the position of T with respect to Z?
1) Second to the left   2) Immediately to the right

3) Third to the left   4) Second to the right
5) Third to the right

2.Which of the following statements regarding S is definitely correct?
1) S is one of the male members of the group.
2) Both the immediate neighbours of S are females.
3) S sits third to the left of T.
4) W is an immediate neighbour of S.
5) S sits second to the right of Q.

3.Who amongst the following is V's wife?
1) Q 2) Y 3) R 4) T 5) None of these

4.Who amongst the following has a male sitting to the immediate left and the right?
1) Y 2) R 3) Q 4) S 5) None of these

5.Which of the following is not true regarding T?
1) T is an immediate neighbour of Z's wife.
2) No male is an immediate neighbour of T.
3) Q sits second to right of T.
4) The one who sits third to the left of T is a male.
5) All are true

6.Which of the following pairs represents the immediate neighbours of T
1) RQ 2) WZ 3) YV 4) WY 5) None of these

7.How many people sit between V and S when counted in anti-clockwise direction?
1) None 2) One 3) Two 4) Three 5) Four

8.Who amongst the following sits exactly between V and Y?
1) Q 2) W 3) R 4) T 5) Z

9.Who amongst the following is Z's wife?
1) S 2) W 3) Y 4) T 5) None of these

10.Who Sit's Opposite to V?
1) Wife of Z 2) Wife of R 3) Wife of T 4) Wife of Q 5) None of these

SET 3 Most difficult
Directions (1-5): Study the following information carefully and answer the questions given below:

Eight Cetking students A, B, C, D, E, F, G and H are sitting around a circular table but not necessarily in the same order. Some of them are facing outward. They are working at four stalls, viz Cloth, Food, Footwear and Book, in a trade fair. Two persons are working at each stall.
Note: Facing the same direction means if one person faces the centre then the other person also faces the centre and if one person faces outward then the other person also faces outward.
Facing opposite directions means if one person faces the centre then the other person faces outward and vice versa.

• C sits third to the left of H, who works at the Footwear stall, and both are facing the same direction.
• G sits on the immediate right of B, who works at the Cloth stall.
• C and B are not facing the same direction but C is an immediate neighbor of E, who is fourth to the left of G
• E and G both are facing opposite directions but both work at the same stall.
• Those who work at the Cloth stall sit adjacent to each other but face opposite directions.
• The person, who work at the Food stall sit opposite each other.
• The immediate neighbour of E are not facing outward.
• a person who works at the Footwear stall is an immediate neighbour of the both persons who work at the Book stall.
• D and F are immediate neighbour of H.
• D is not facing the centre and works at the Book stall.
• The one who is on the immediate left of F is not facing the centre. F sits second to the right of C.

Q1. Who among the following work at the Footwear stall?
(a) D and F (b) H and F (c) G and C (d) C and H
(e) None of the above

Q2. Who among the following sits on the immediate right of the person who works at the Food stall?
(a) B (b) D (c) A (d) F (e) H

Q3. How many persons are facing outward?
(a) Two (b) Three (c) Four (d) Can't be determined
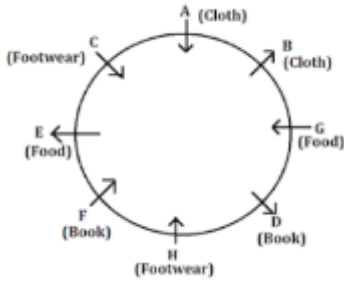(e) None of the above

Q4. A works at which of the following stalls?
(a) Either Cloth or Footwear   (b) Either Book or Food
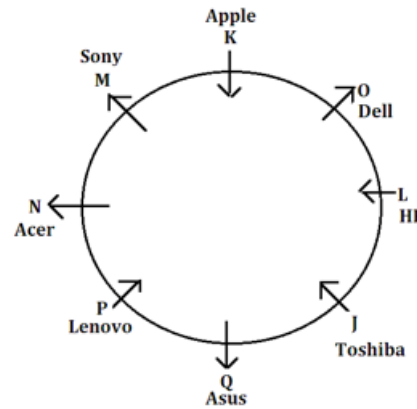(c) Cloth   (d) Book
(e) None of the above

Q5. If D and F interchange their places then who among the following is on the immediate left of G?
(a) B (b) D (c) H (d) F (e) None of the above

Start with B
1. D 2. B 3. A 4. C 5. D

Directions (1-6): Study the following information carefully and answer the questions given below.

Eight Cetking students J, K, L, M, N, O, P and Q are sitting around a circular table. Each of them has a laptop of a different company, viz Dell, Lenovo, HP, Sony, Acer, Apple, Asus and Toshiba but not necessarily in the same order. Four of them are not facing the centre. The one who has Acer is on the immediate left of M, who does not have Asus. M is third to the right of Q. P is fourth to the left of O. Neither P nor O is an immediate neighbor of M. L has HP and sits exactly between J and O. L is facing the centre and is to the right of both J and O. N is third to the left J, who has Toshiba.
J sits third to the left of the one who has Acer. The one who has Lenovo sits second to the left of the one who has Toshiba. The one who has Dell sits second to the right of M. The one who has Apple sits second to the right of the person who has HP. K does not like Acer. J faces the centre.

Q1. Who among the following has the laptop of Sony?
(a) M (b) O (c) Q (d) L (e) None of the above

Q2. Who among the following sits third to the right of the one who has the laptop of Asus?
(a) N (b) M (c) O (d) L (e) None of the above

Q3. Who among the following sits third to the left of Q?
(a) L (b) K (c) O (d) M (e) None of the above

Q4. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?
(a) OK (b) LN (c) JM (d) MN (e) LQ

Q5. Who among the following sits opposite N?
(a) The one who has Toshiba (b) The one who has Apple
(c) The one who has HP   (d) The one who has Sony
(e) None of the above

Q6. Which of the following statements is/are true?
(a) The one who has Asus is not facing the centre.
(b) O has Dell and he is facing the centre.
(c) The one who has Apple is on the immediate right of M.
(d) Only (a) and (c) are true
(e) None of the above