

## CLASS WORK

**Directions for Q1 to Q5:** Seven friends Kiran, Mahesh, Rajesh, Abhi, Ganesh, Prasad and Parveen are sitting in a circle. Kiran, Mahesh, Rajesh, Abhi, Prasad and Parveen are sitting at equal distances from one another. Rajesh is sitting after two places right of Prasad, who is sitting one place right of Abhi. Kiran forms an angle of 90 degrees from Ganesh and an angle of 120 degrees from Mahesh. Mahesh is just opposite Parveen and is sitting on the left of Ganesh.

1. Who is the only person sitting between Rajesh and Mahesh?  
(a) Prasad (b) Abhi (c) Ganesh (d) Kiran
2. Ganesh is not sitting at equal distance from  
(a) Mahesh & Prasad (b) Abhi & Kiran  
(c) Rajesh & Prasad (d) All of the above
3. Ganesh is sitting ..... of Parveen.  
(a) to the left (b) two places right  
(c) to the right (d) three places left
4. The angle between Ganesh and Mahesh in the clockwise direction is?  
(a) 30 degree (b) 210 degree  
(c) 180 degree (d) 90 degree
5. Which of the following statements is not correct?  
(a) Prasad is between Mahesh and Kiran.  
(b) Mahesh is two places away from Parveen.  
(c) Ganesh is sitting opposite to Prasad.  
(d) All the above

**Directions for Q6 to Q10:** Bunty, Dev, Manav, Kavya, Payal, Qasturba, Wasir and Himmat are sitting around a circle facing the centre. Manav is to the immediate right of Bunty who is 4<sup>th</sup> to the right of Kavya. Payal is 2<sup>nd</sup> to the left of Bunty and is 4<sup>th</sup> to the right of Wasir. Qasturba is 2<sup>nd</sup> to the right of Dev who is 2<sup>nd</sup> to the right of Himmat.

6. Who is 3<sup>rd</sup> to the right of Bunty?  
(a) Wasir (b) Manav (c) Kavya (d) Himmat
7. Which of the following represents the immediate neighbours of Dev?  
(a) Payal and Qasturba (b) Kavya and Himmat  
(c) Payal and Kavya (d) Kavya and Qasturba
8. Who is 3<sup>rd</sup> to the right of Wasir?  
(a) Payal (b) Dev (c) Kavya (d) Qasturba
9. Who is 2<sup>nd</sup> to the left of Payal?  
(a) Dev (b) Himmat  
(c) Kavya (d) Data inadequate

10. Who is to the immediate left of Bunty?  
(a) Qasturba (b) Payal  
(c) Wasir (d) Data inadequate

**Directions for Q11 to Q15:** Eight bikes A, B, C, D, E, F, G and H are parked around a circular ground (facing the centre) with equal distance between one another, but not necessarily in the same order.

H is parked to the immediate left of C. Only one bike is parked between E and C. A is parked 3<sup>rd</sup> to the right of E. Only 3 bikes are parked between A and F. D is parked second to the left of F. G is not parked immediately next to A.

11. Which bike is parked fourth to the left of B?  
(a) G (b) E (c) C (d) A
12. If all the bikes are parked in alphabetical order in anticlockwise direction starting from A, the position of how many bikes will remain unchanged?  
(a) None (b) One (c) Two (d) Three
13. Which of the following pairs represents that both the bikes are parked immediately next to G?  
(a) DF (b) AB (c) BC (d) GE
14. Three of the following four are alike in a certain way based on the given arrangement. Which one of the following does not belong to that group?  
(a) HA (b) FH (c) BD (d) GE
15. Which of the following statements is true with respect to the given arrangement?  
(a) D is parked second to the right of E.  
(b) Only 2 bikes are parked between G and C.  
(c) Only 3 bikes are parked between G and H.  
(d) B is parked to the immediate left of D.

**Directions for Q16 to Q20:** Eight friends M, N, O, P, U, V, W and X are sitting in two circles in such a manner that each member of the inner circle sits exactly opposite to the member of the outer circle. The members sitting in the outer circle are U, V, W and X and all of them are facing towards the centre while the members of the inner circle are M, N, O and P and they are facing away from the centre. Each of them likes a different colour, viz Red, Yellow, Blue, Green, White, Black, Orange and Purple, but not necessarily in the same order.

P likes neither Yellow nor White and faces W, who likes neither Black nor Purple. The person who likes Orange faces the person who likes Red. M, who likes Green, faces the immediate neighbor of the person who likes Blue.

W sits second to the left of X. The persons who like White and Red are in separate circles. The person who likes Black sits on the immediate left of X. V, who does not like Blue, does not face M.

The persons who like Black and Purple are immediate neighbors, and one of them faces N, who likes Yellow. The persons who like Orange and Green sit in the same circle but they are not immediate neighbors.

16. Which of the following colours does U like?  
(a) Red (b) Purple (c) Blue (d) Green
17. Who among the following likes White?  
(a) M (b) O (c) V (d) W
18. Who among the following does V face?  
(a) The one who likes Yellow  
(b) The one who likes Blue  
(c) The one who likes Green  
(d) The one who likes Orange
19. In a certain way if 'M' is related to 'Green' and 'P' is related to 'Orange', then which of the following is 'N' related to?  
(a) Yellow (b) Purple  
(c) Blue (d) Cannot be determined
20. Three of the following four are alike in a certain way and hence form a group. Which is the one that does not belong to that group?  
(a) Blue (b) White (c) Purple (d) Black

## HOME ASSIGNMENT

**Directions for Q1 to Q5:** A, B, C, D, E, F, G and H are eight persons sitting around a circle facing outward in one arrangement and in a straight line facing North in another arrangement.

One of the immediate neighbours of H in straight line sits opposite H in the circle. E sits third to the right of B in the circle, while fourth to his left in the straight line. F and C are the immediate neighbours of B in both the arrangements, but C is not at the extreme end of the row.

The one who sits on the extreme left end sits second to the right of E in the circle. H is not on the immediate left of F in both the arrangements. G sits on the immediate left of H in the circle, but both are not immediate neighbours of each other in the straight line. D sits third to the right of F in the straight line. The one who sits on the immediate left of B in straight line is sitting on the immediate right of B in the circle.

1. Which of the following pairs sits at the extreme ends of the row?  
(a) G,A (b) D,G (c) D,F (d) H,B
2. Who among the following sits on the immediate right of F in the circle?  
(a) A (b) B (c) C (d) E

3. The person sitting between G and C in the circle is sitting at what position in the straight line?  
(a) Between C and G  
(b) Immediate right of A  
(c) Second from the right end  
(d) Third from the left end
4. The person sitting in the right end of the row is sitting at what position in the circle?  
(a) Between B and F (b) Immediate right of G  
(c) Between E and G (d) Third to the right of C
5. Who sits second to the left of A in the circle?  
(a) E (b) B (c) C (d) H

**Directions for Q6 to Q10:** H, I, J, K, L, M, N and O are sitting around a circular table at equal distance between one another, but not necessarily in the same order. Some of the persons are facing the centre while some face outside.

L sits second to the right of N. N faces the centre. I sits third to the left of L. L faces outside the centre. Immediate neighbour of I faces the centre. J sits second to the right of I. O sits to the immediate left of J. H sits second to the left of K who faces the same direction as I. K is not an immediate neighbour of N. Immediate neighbour of L faces opposite direction.

6. How many persons in the given arrangement face outside?  
(a) One (b) Two (c) Three (d) Four
7. What is I's position with respect to H?  
(a) Fourth to the left (b) Third to the right  
(c) Second to the left (d) Immediate right
8. Who among the following does not belong to the group formed by the other three?  
(a) O (b) M (c) L (d) K
9. Who sits between N and O?  
(a) I (b) H (c) L (d) J
10. If they are sitting in an alphabetical order from H anticlockwise, whose position will remain unchanged?  
(a) K (b) M  
(c) L (d) None of the above

## ANSWER KEY

1. (b) 2. (a) 3. (d) 4. (c) 5. (b)
6. (b) 7. (a) 8. (c) 9. (d) 10. (d)