SNS COLLEGE OF TECHNOLOGY

Coimbatore-35
An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

VQAR-VERBAL QUANTITATIVE APTITUDE REASONING

IIYEAR/ III SEMESTER

UNIT 3 –VERBAL REASONING I

TOPIC 1-ANALYTICAL REASONING– LINEAR AND CIRCULAR ARRANGEMENT

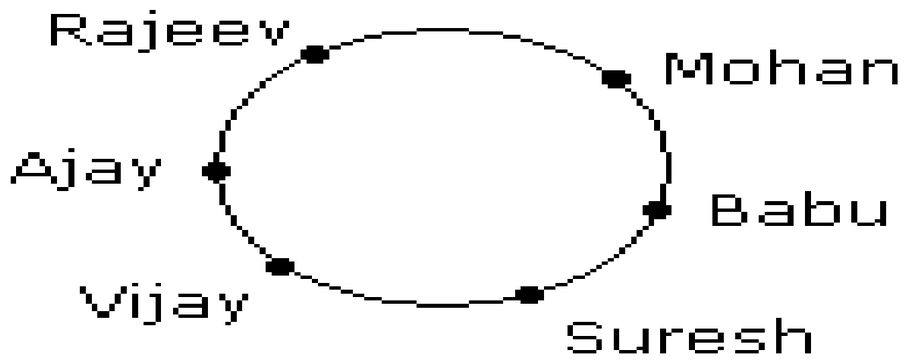
LINEAR AND CIRCULAR ARRANGEMENT

Example 1:

6 Boys are sitting in a circle and facing towards the centre of the circle. Rajeev is sitting to the right of Mohan but he is not just at the left of Vijay. Suresh is between Babu and Vijay. Ajay is sitting to the left of Vijay. Who is sitting to the left of Mohan ?

LINEAR AND CIRCULAR ARRANGEMENT

Solution :



Hence, Babu is sitting to the left of Mohan.

LINEAR AND CIRCULAR ARRANGEMENT

Example 2:

Eleven students A, B, C, D, E, F, G, H, I, J and K are sitting in first line facing to the teacher.

D who is just to the left of F, is to the right of C at second place.

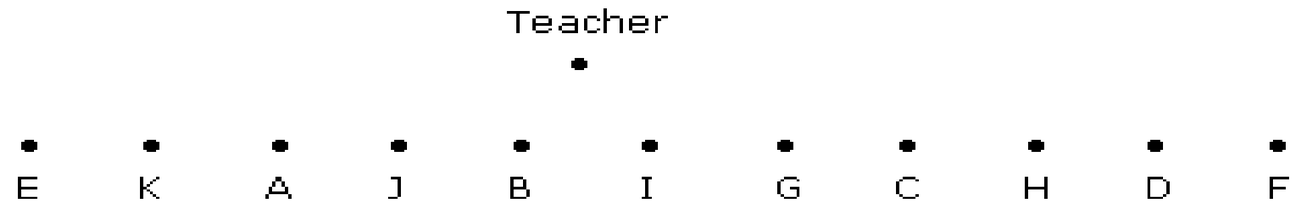
A is second to the right of E who is at one end.

J is the nearest neighbor of A and B and is to the left of G at third place.

H is next to D to the left and is at the third place to the right of I.

Who is just in the middle ?

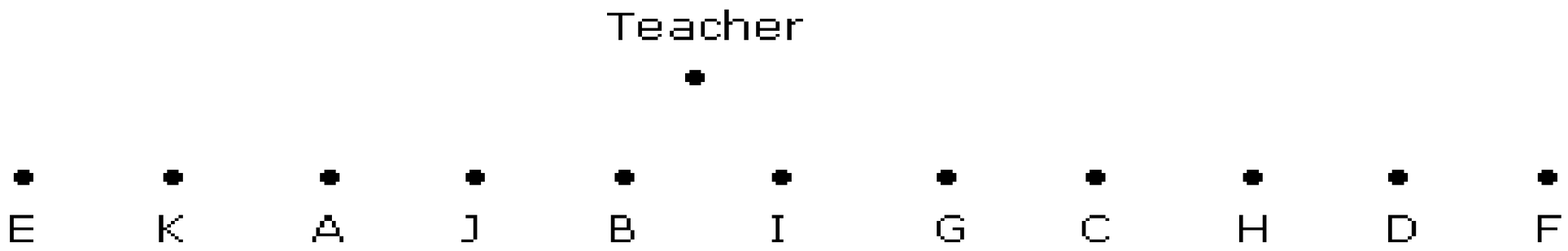
Solution :



Hence, I is just in the middle.

LINEAR AND CIRCULAR ARRANGEMENT

Solution :



Hence, I is just in the middle.

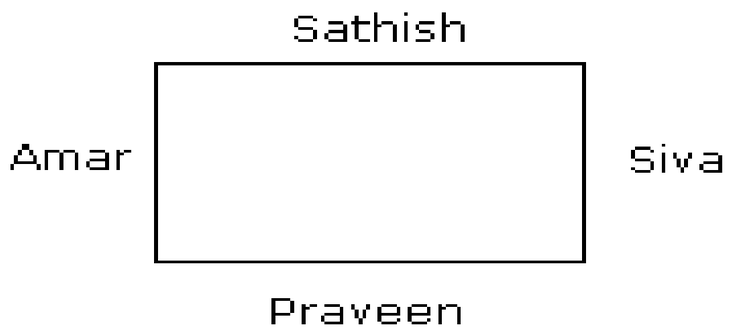
LINEAR AND CIRCULAR ARRANGEMENT

Example 3:

Siva, Sathish, Amar and Praveen are playing cards. Amar is to the right of Sathish, who is to the right of Siva.

Who is to the right of Amar ?

Solution :



Hence Praveen is to the right of Amar.

LINEAR AND CIRCULAR ARRANGEMENT

Solution :

Hence Praveen is to the right of Amar.

LINEAR AND CIRCULAR ARRANGEMENT

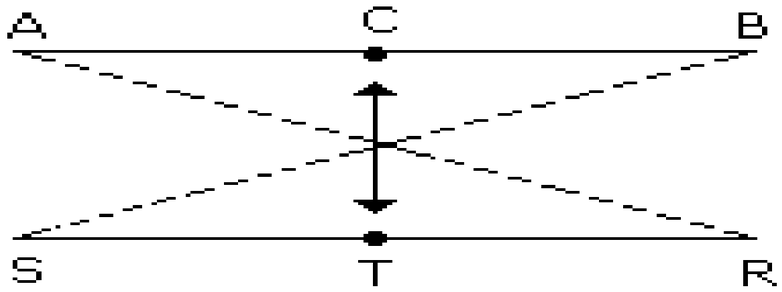
Example 4:

A, B and C are three boys while R, S and T are three girls.
They are sitting such that the boys are facing the girls.
A and R are diagonally opposite to each other.
C is not sitting at any of the ends.
T is left to R but opposite to C.
(A). Who is sitting opposite to B ?
(B). Who is sitting diagonally opposite to B ?

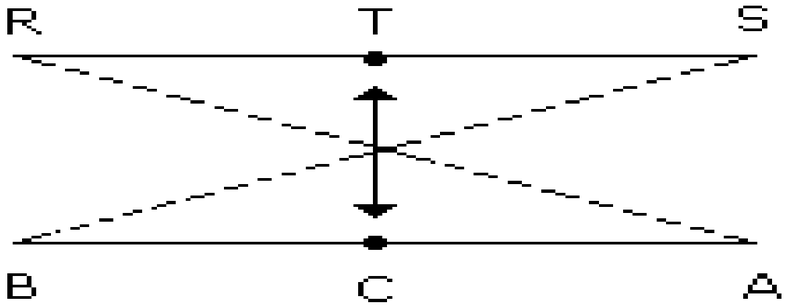
LINEAR AND CIRCULAR ARRANGEMENT

Solution :

I st position



II nd position



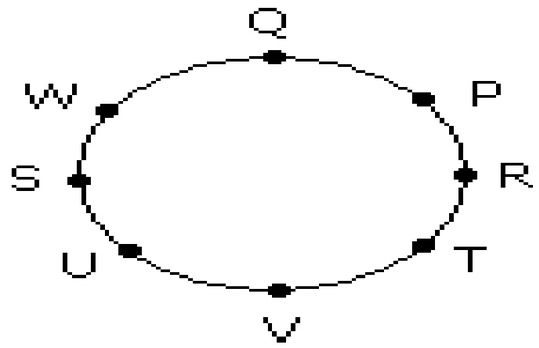
(A). Hence, R is sitting opposite to B.

(B). Hence, S is sitting diagonally opposite to B.

LINEAR AND CIRCULAR ARRANGEMENT

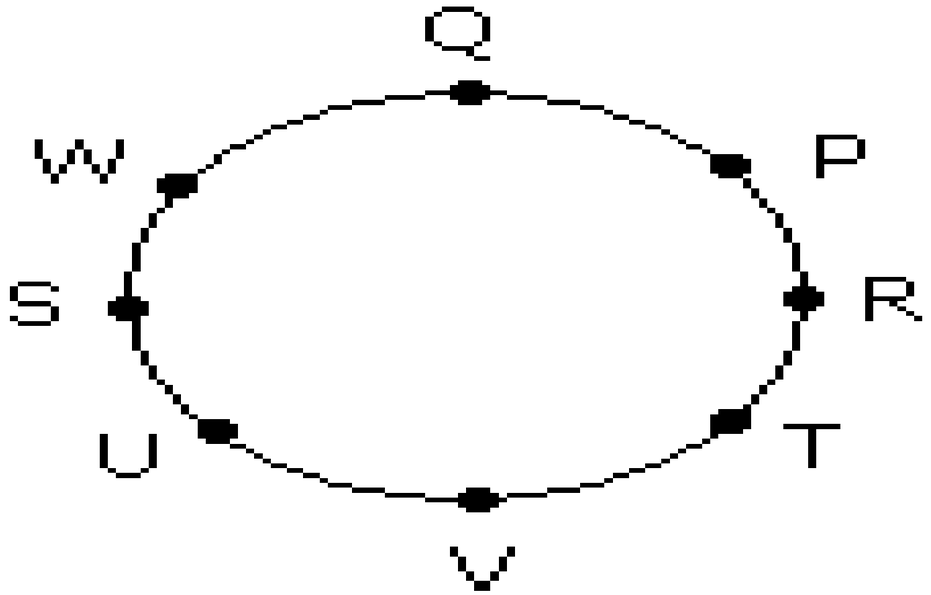
P, Q, R, S, T, U, V and W are sitting round the circle and are facing the centre is second to the right of T who is the neighbor of R and V.
S is not the neighbor of P.
V is the neighbor of U.
Q is not between S and W. W is not between U and S.

Explanation:



LINEAR AND CIRCULAR ARRANGEMENT

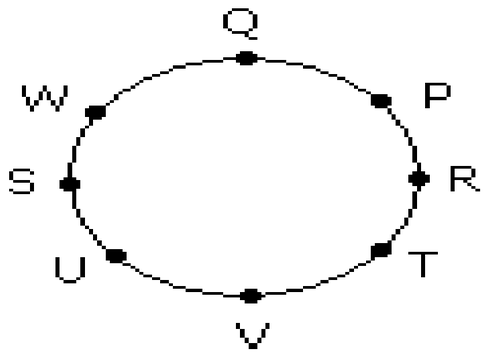
Explanation:



LINEAR AND CIRCULAR ARRANGEMENT

2.Which one is immediate right to the V ?

Explanation:



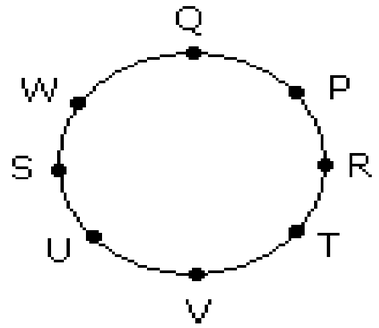
T is immediate right to the V.

LINEAR AND CIRCULAR ARRANGEMENT

Which of the following is correct ?

A.	P is to the immediate right of Q
B.	R is between U and V
C.	Q is to the immediate left of W
D.	U is between W and S

Explanation:



LINEAR AND CIRCULAR ARRANGEMENT

1.A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P ?

Explanation:

The seating arrangement is as follows:

•	•	•	•	•	•
P	X	S	Z	R	A

Therefore, right of P is X.

LINEAR AND CIRCULAR ARRANGEMENT

Explanation:

The seating arrangement is as follows:

P	X	S	Z	R	A

Therefore, right of P is X.

LINEAR AND CIRCULAR ARRANGEMENT

2. A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting ?

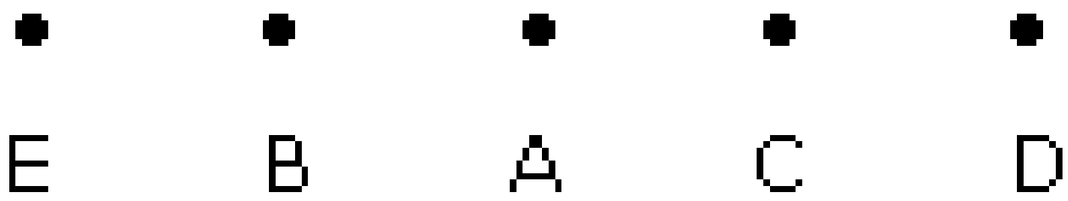
Explanation:

•	•	•	•	•
E	B	A	C	D

Therefore, A is sitting in between B and C.

LINEAR AND CIRCULAR ARRANGEMENT

Explanation:



Therefore, A is sitting in between B and C.


THANK
YOU!