# SNS COLLEGE OF TECHNOLOGY 

COIMBATORE-35
DEPARTMENT OF MECHANICAL ENGINEERING
QUANTITATIVE ABILITY II

## Linear and circular arrangement,

## Questions and Answers

Problems on seating arrangement are differentiated into many types they are:

- Circle Seating Arrangement
- Square Seating Arrangement
- Rectangle Seating Arrangement
- Triangle Seating Arrangement
- LINEAR Seating Arrangement
- Parallel rows Seating Arrangement
- A certain number of people CIRCLE
- A certain number of people LINEAR
- 3 row parallel
- Linear arrangements with meaningful words


## Seating Arrangement Workbook

Directions (Q. 1-5) Study the following information to answer the given questions.
i) There are 9 friends A, B, C, D, E, F, G, H seated in a circle facing the centre.
ii) AC, DG, HE and FB are seated adjacent to each other. A is also seated adjacent to H.
iii) $\quad \mathrm{B}$ is $2^{\text {nd }}$ to the right of H .
iv) $E$ is $3^{\text {rd }}$ to the right of $C$.

1. Who is $2^{\text {nd }}$ to the left of $A$ ?
a) $D$
b) G
c) F
d) Cannot be determined
e) None of these
2. Who is $3^{\text {rd }}$ to the left of $C$ ?
a) $G$
b) $D$
c) $B$
d) Cannot be determined
e) None of these
3. What is C's position with reference to $E$ ?
a) $5^{\text {th }}$ to the right
b) $4^{\text {th }}$ to the left
c) $4^{\text {th }}$ to the right
d) $3^{\text {rd }}$ to the right
e) Cannot be determined
4. Who is $2^{\text {nd }}$ to the right of $A$ ?
a) $B$
b) $E$
c) F
d) Cannot be determined
e) None of these
5. Who among the following pairs may not be seated adjacent to each other?
a) AH
b) DC
c) EB
d) Cannot be determined
e) None of these

## Directions ( $\mathrm{Q} .6-11$ ) Read the following information carefully and answer the questions that

 follow.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 a different department viz. 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 face the centre. D does not work in the HR department. A works in Investment Banking Department. A faces the centre. Two people sit between the persons who work in Investment Banking and Marketing Departments. The person who works in Corporate Finance sits to the immediate left of E . C faces same direction as $E$. The person who works in corporate finance sitsto the immediate left of the person who works for Operations Department.
6. For which of the following departments does B work?
a) Finance
b) Marketing
c) HR
d) Corporate Finance
e) Operations
7. What is position of $B$ with respect to the person who works for Sales Department?
a) Immediate right
b) Third to the left
c) Second to the right
d) Second to the left
e) Fourth to the right
8. Who sits to the immediate right of E ?
a) The person who works for Marketing Department
b) C
c) $B$
d) The person who works for HR Department
e) A
9. Who amongst the following sits exactly between C and the person who works for HR Department?
a) B
b) The person who works for Marketing Department
c) The person who works for Operations

Departmentd)D
e) $G$
10. Who amongst the following sit between the persons who work for Marketing and Investment Banking departments when counted for the left hand side of the person working for Marketing Department?
a) $F$ and $G$
b) E and C
c ) C and B
d) F and D
e) B and D
11. How many people sit between the person who workds for Operations Department and $A$, when counted from the right hand side of $A$ ?
a) One
b) Two
c) Three
d) Four
e) None of these

## Directions ( $\mathrm{Q} .12-19$ ) Read the following information carefully to answer the given questions.

Eight persons from different banks viz., Bank of India, Punjab National Bank, Canara Bank, Bank of Baroda, Oriental Bank of Commerce, Dena Bank, Union Bank of India and Bank of Maharashtra are sitting in two parallel rows containing four people each, in such a way that there is anequal distance between adjacent persons. The names of these persons are A, B, C, D, E, F, G and H . Each members seated in a row faces another member of the other row. (All the information given above does not necessarily represents the order of seating as in the final arrangement)

- A faces north and seated second to the left of the person, who is from Punjab National Bank. The person from Oriental Bank of Commerce is opposite to one who is second to the left ofH.
- The persons from Bank of Baroda is not near to H and F and not at the end of the row. Theperson from Canara Bank is opposite to the person who is from Dena Bank.
- The person from Bank of India is not at the end of the row but left of the person who is fromCanara Bank.
- $D$ is immediately right of the person who is from Bank of Maharashtra. The person fromCanara Bank faces north while D faces South and opposite to B.

The person from Union Bank of India is not opposite to E. The person from Canara Bank is oppositeto C.
12. Which of the following is true regarding $E$ ?
a) The person from Bank of Maharashtra faces E
b) The person from Dena Bank is an immediate neighbour of $E$
c) The person who is second to the right of $G$ faces $E$
d) E is from Union Bank of India
e) E sits at one of the extreme end of the row
13. Who is seated between $G$ and the person from Bank of Maharashtra?
a) The person from Bank of

Barodab)H

## Seating Arrangement Workbook

c) $F$
d) $E$
e) The person from Dena Bank
14. Who amongst the following sit at extrememe end of the row?
a) A and the person from Bank of Maharashtra
b) The person from Punjab National Bank and Union Bank of India
c) The person from Dena Bank and E
d) The person from Union Bank of India and C
e) $G$ and $B$
15. Who amongst the following faces the person from Bank of Baroda?
a) The person from Bank of India
b) F
c) $A$
d) The person from Union Bank of India
e) The person from Oriental Bank of Commerce
16. ' $B$ ' is related to 'Dena Bank' in the same way as ' $F$ ' is related to 'Bank of Baorda' on the given arrangement, who amongst the following is ' $G$ ' related to following the same pattern?
a) Oriental Bank of Commerce
b) Punjab National Bank
c) Bank of India
d) Canara Bank
e) Union Bank of India
17. Four of the following five are alike in a certain way based on the given seating arrangement and thus form a group, which is the one that does not belong to that group?
a) Canara Bank
b) C
c) Union Bank of India
d) Oriental Bank of Commerce
e) Bank of Maharashtra
18. G is from which of the following banks?
a) Oriental Bank of Commerce
b) Dena Bank
c) Bank of Maharashtra
d) Canara Bank
e) Punjab National Bank
19. Who amongst the following is from Punjab National Bank?
a) $E$
b) H
c) $G$
d) C
e) None of these

## Answers:

1. Option D
2. Option E
3. Option A
4. Option B
5. Option B
6. Option A
7. Option D
8. Option D
9. Option B
10. Option C
11. Option A
12. Option B
13. Option A
14. Option D
15. Option A
16. Option B
17. Option E
18. Option A
19. Option B
