ELITES GRID

CIRCULAR ARRANGEMENT & SELECTIONS

ASSIGNMENT

CIRCULAR ARRANGEMENT PUZZLE–1

Gitanjali, Shradda, Sujata, Harini, Manjula, Priya and Tanuja are sitting on a bench facing North.
=> Exactly three and exactly five persons are sitting to the left of Harini and Manjula respectively.
=> Shradda is the only one in between Priya and Sujata.
=> Priya and Tanuja are at the ends.

1. Who is sitting at the middle?
a) Harini b) Gitanjali
c) Shradda d) Sujata

2. Who is sitting at the right end?
a) Priya b) Tanuja
c) Shradda d) Cannot be determined

3. Who is sitting to the immediate left of Harini?
a) Shradda b) Priya
c) Sujata d) Cannot be determined

4. Who is sitting to the immediate right of Gitanjali?
a) Manjula b) Tanuja
c) Sujata d) None of these

OA - ABCA

CIRCULAR ARRANGEMENT PUZZLE–2

Eight persons - P, Q, R, S, T, U, V and W are sitting around a circular table and playing a game of cards. The following information is known about their positions:
(I) R is sitting to the immediate right of T, who is sitting two places away to the left of W.
(II) S is sitting three places away from V.
(III) S is adjacent to both U and W.

1. Who is sitting opposite P?
a) S b) R
c) W d) Cannot be determined

2. Who is sitting three places away to the right of S?
a) V b) P
c) Q d) Cannot be determined

3. If U is not sitting adjacent to P, then who will be sitting opposite S?
a) T b) Q
c) P d) Cannot be determined

OA – DAC

CIRCULAR ARRANGEMENT PUZZLE–3

Ten persons - A through J are sitting around a rectangular table such that three persons are along each of the longer sides and two persons are sitting along each of the shorter sides. Further it is known that,
(1) H is not adjacent to either F or G.
(2) J and E are sitting on the same side.
(3) A is sitting opposite I.
(4) J and I are sitting adjacent to each other and B is not opposite G.
(5) D is sitting opposite E.
(6) C is to the immediate left of G, who is adjacent to J.

Q1. Who is sitting two places away to the right of F?
a) C b) H
c) D d) Cannot be determined

Q2. Who is sitting opposite B?
a) D b) A
c) H d) C

Q3. Who among the following is sitting adjacent to D?
a) F b) B
c) C d) Cannot be determined

OA – DDB

CIRCULAR ARRANGEMENT PUZZLE–4

A, B, C, D, E, F, G and H are sitting around a circular table, some are facing the centre and the rest are facing away from the centre. The following information is known about their seating. B sits second to the left of G. F is an immediate neighbour of G and C. A sits adjacent to C and is facing D. D sits third to the right of C and second to the left of E, who is facing the centre. No three persons seated adjacent are facing the centre.

Q1. How many persons are sitting between H and F, when counted from the right of H?

a) Three b) Two
c) Four d) One

Q2. Who sits second to the right of F?

a) D b) C
c) B d) A

Q3. Four of the following five are alike in a certain way based on the given information and so form a group. Find the one that does not belong to that group.

a) B, E b) D, G
c) G, F d) F, C

Q4. How many persons are facing away from the centre?

a) Three b) Four
c) Five d) Cannot be determined

OA - CDCB

CIRCULAR ARRANGEMENT PUZZLE–5

Eight persons A through H are sitting around a circular table such that
. F is three places away to the left of H, who is not opposite D.
. C is not sitting adjacent to A, who is opposite G.
. B is not sitting opposite F and A is not adjacent to H.
. B is to the immediate left of G.

Q1. Who is sitting opposite H?
a) E b) F
c) B d) G

Q2. Who is sitting to the immediate left of E?
a) B b) F
c) D d) A

Q3. Who is sitting opposite F?
a) E b) D
c) C d) None of these

Q4. Who is sitting two places away to the left of G?
a) B b) F
c) E d) H

OA – a, d, c, b

CIRCULAR ARRANGEMENT PUZZLE–6

Eight persons A, P, B, Q, C, R, D and S sit around a circular table, not necessarily in the same order. Some of them are facing the centre and the rest are facing away from the centre.
R faces the person, who is two places away from S. P and A sit adjacent to each other and one of them is to the immediate right of Q and the other one is to the immediate right of R. B does not sit adjacent to S, but sits second to the right of P and sits third to the left of A. S neither faces P nor to the immediate right of D. Exactly one pair of adjacent persons is facing the centre and C and R are not adjacent to each other.

Q1. Who sits second to the right of D?
a) S b) P
c) A d) C

Q2. Who sits four places away from A?
a) Q b) S
c) C d) Cannot be determined

Q3. How many more number of persons are facing away from the centre when compared to the number of persons facing the centre?
a) None b) One
c) Two d) Cannot be determined

OA – c, c, a

CIRCULAR ARRANGEMENT PUZZLE–7

Eight persons A, B, C, D, E, F, G and H are sitting around a circular table (not necessarily in the same order). Some of them are facing the centre and the rest are facing away from the centre. The following information is known about them.

. E sits to the immediate left of D and is in the opposite position to F.

. C sits adjacent to neither G nor H.

. A and H sit facing each other.

. C faces the same direction as H faces.

. B sits second to the right of F and faces away from the centre.

. G and D sit in opposite positions and they are facing away from the centre.

Q1. How many persons are facing away from the centre?

a) Five b) Four

c) Three d) Cannot be determined

Q2. Who is sitting to the immediate right of F?

a) A b) G

c) D d) E

Q3. Which of the following is definitely true?

a) E faces the centre. b) C sits to the immediate left of A.

c) B and C are facing each other. d) None of these

Q4. 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) C D b) E D

c) H B d) F G

OA – d, b, d, b

CIRCULAR ARRANGEMENT PUZZLE–8

Eight persons E, G, H, M, N, P, Q and S sit around a circular table not necessarily in the same order. Some of them are facing the centre and the rest are facing away from the centre. If two persons are said to be facing different directions, it means that one of them is facing the centre and the other is facing away from the centre.
If two or more persons are said to be facing the same direction, it means that all of them face the centre or face away from the centre.
G sits to the immediate right of both M and P, and P sits to the immediate right of G. P and H face different directions. S sits between P and H. E and Q are adjacent to each other but neither of them is opposite G. E and Q face different directions. E does not sit adjacent to M. Persons sitting in opposite positions face the same direction.

Q1. Who sits second to the left of Q?

a) E b) N
c) S d) G

Q2. Who sits third to the left of G?

a) N b) S
c) Q d) E

Q3. What is the position of N with respect to P?

a) Third to the right b) Second to the right
c) Second to the left d) Third to the left

Q4. Three out of the following four are alike in a certain way, hence form a group. Find the one which does not belong to that group.

a) EM b) GQ
c) SN d) HP

OA – b, d, d, c

SELECTION PUZZLE–1

Amanda would like to visit different cities, around the world, from among A, B, C, D, E, F and G. Further, she finalized the cities that she would visit based on the following conditions:
Either A or C has to be visited, but not both.
D and E are to be visited together.
F cannot be visited, if E is visited.
B is always visited, if F is visited.

Q1. What is the maximum possible number of cities Amanda can visit without violating any condition?

Q2. If she would like to visit the maximum possible number of cities, which includes city F, then what is the number of different ways in which she can choose the cities?

Q3. If she visits exactly three cities, then how many different combinations of cities can she visit?

Q4. If B and G are not visited together on this trip, then in how many different ways can she visit the maximum possible number of cities?

OA – 5, 2, 6, 4

SELECTION PUZZLE–2

A team of five is to be selected from among six boys-A, B, C, D, E and F and five girls-P, Q, R, S and T such that the team must contain 3 boys and 2 girls. In selecting the team the following conditions are laid down.
Only one among A and R must be selected in the team.
C and R cannot be selected together. If B is selected S cannot be selected.
If A is selected then P must be selected.
The team must contain either both Q and T or neither of them.
If S is not selected then D must be selected. P and D cannot be selected together.

Q1. If A is selected, in how many ways can a team be selected?

Q2. If R is selected, in how many ways can a team be selected?

Q3. Who among the following must always be in a team?

a. P b. C
c. F d. S

Q4. f D is selected, who among the following cannot be in the team?

a. F b. R
c. C d. S

SELECTION PUZZLE–3

Four teams of two members each are to be formed from among four boys A, B, C and D and four girls P, Q, R, and S, such that
There can be at most one team that have both members of the same gender.
A can never team up with R.
R can never team up with C.

Q1. If B and S are in one of the teams formed, then which of the following cannot be members of one of the other teams that are formed?

a) C, Q
b) D, Q
c) D, R
d) C, P

Q2. How many possible combinations of teams can be formed?

a) 12
b) 15
c) 18
d) 24

Q3. If a team won in the match between two teams with A and Q in the opposite teams, who among the following cannot be in the winning team?

a) B
b) P
c) C
d) R

Q4. If it is further told that Q cannot team up with D, then what is the total number of possible combinations for forming the teams?

a) 6
b) 10
c) 12
d) 18

OA – b, a, d, b

SELECTION PUZZLE–4

Mr. Task Master, the head of ABC bank, has to select a team of five persons to take care of logistics of despatching new currency notes to ATMs. The available persons are Rahim, Sudha, Maitreyi, Anuradha, Akhilesh, Surendra, Maria and Anuj.
If Anuj or Maitreyi is taken into the team then neither of Anuradha and Rahim can be taken in the team.
Exactly one between Sudha and Akhilesh must be selected.
Either Rahim or Sudha is selected but not both.
Surendar is selected only if Akhilesh is selected.

Q1. If Surendar is selected, then in how many ways can the team be selected?

a) One b) Six
c) Three d) Four

Q2. If Anuj is selected, then in how many ways can the team be selected?

a) Four b) Three
c) Zero d) Five

Q3. If Sudha is not selected then who among the following will also not be selected?

a) Surendar b) Maria
c) Rahim d) Anuj

Q4. Each of the following pairs of persons can be selected together EXCEPT

a) Rahim and Surendar b) Akhilesh and Rahim
c) Maria and Anuradha d) Surendar and Maitreyii

OA – a, c, d, d

SELECTION PUZZLE–5

Out of 5 men – A, C, D, G and I – and 5 women – B, E, F, H and J – a group of 5 persons is to be selected which consists of exactly two men. It is also known that,
(i) Among A, C, D and F exactly two persons are to be selected.
(ii) If A or D is selected, then E, F and H are not to be selected.
(iii) If G is selected, neither H nor J will be selected.
(iv) I and E cannot be selected together.

Q1. Among the men, who must be selected?
a) C b) D
c) G d) I

Q2. Among the women, who must be selected?
a) B b) E
c) F d) H

Q3. If E is selected, who among the following must be selected?
a) B b) H
c) I d) J

Q4. How many groups are possible in all?
a) 2 b) 3
c) 4 d) 5

OA – a, c, a, c

SELECTION PUZZLE–6

Eight executives Keith, Michael, Russel, Bill, Anthony, Stephen, Jimmy and Courtney are conducting interviews for filling up some vacant posts in their company. The executives are divided into three groups; Group I, Group II and Group III, with each group having at least two executives. Any executive conducting an interview can change to another group only during the breaks given in between the interviews. Group III has at least as many executives as in Group II, which has at least as many executives as in Group I. Each executive must be in one group or the other and they divide themselves according to the following rules, such that no one is in two groups at the same time. Group II does not consist of least number of executives.

(i) Russel is always in group II.
(ii) Bill and Anthony are not in the same group.
(iii) Jimmy is in the same group as either Anthony or Russel.
(iv) If Courtney is in a group, then Michael should also be in that group, and if Anthony is in a group, Keith also must be in that group.

Q1. Who among the following could be together in Group II?

a) Keith, Russel and Stephen
b) Stephen, Jimmy and Courtney
c) Russel, Bill and Stephen
d) Bill, Anthony and Stephen

Q2. Which of the following is true?

(A) Keith is in Group II.
(B) Jimmy is in Group II.
(C) Courtney is in Group I.

a) Only (A)
b) Only (B)
c) Only (C)
d) None of the above

Q3. Each of the following could be in the same group as Russel, EXCEPT

a) Keith
b) Bill
c) Stephen
d) Jimmy

Q4. If Keith and Stephen are there in the same group, then who are in Group I?

a) Jimmy and Anthony
b) Bill and Stephen
c) Anthony and Russel
d) Michael and Courtney

OA – c, d, a, d

THANKS
&
HAPPY LEARNING