TEAM FORMATION

SELECTIONS & GROUPINGS

The team consists of exactly three students from group II:

We know that the number of students in the team is five. If exactly three students from group II is in the team then the rest two students must come from group I. This will always be the distribution in the team – two from group I and three from group II.

ELITES GRID

A and B cannot be selected together:

1. If A is in the team, B cannot be in the team.

2. If B is in the team, A cannot be in the team.

3. It does not mean that any one between A and B need to be selected. Both of them could simultaneously be out of the team

ELITES GRID

If A is selected, neither X nor Y can be selected:

1. If A is in the team, X or Y is not in the team.

2. If X or Y or both are in the team, then A is not in the team.

3. All 3 can simultaneously be out of the team.

ELITES GRID

Among A, B, C and D, exactly two persons are to be selected.

1. We have to select any two among A, B, C and D, it is mandatory.

2. It can be – (A,B), (A,C), (A,D), (B,C), (B,D), (C,D)

ELITES GRID

If E is in the team, at most one among U and W can be in the team.

1. E and U can be in the team together.

2. E and W can be in the team together.

3. E can be in the team without U or W in the team.

4. E, U and W cannot be in the team together.

5. U and W can be in the team without E being in the team.

6. All three can simultaneously be out of the team.

ELITES GRID

If A is selected, X has to be selected.

1. If A is in the team, X has to be in the team.

2. If X is in the team, A may or may not be in the team.

3. If A is not in the team, X may or may not be in the team.

4. If X is not in the team, A will not be in the team.

ELITES GRID

Z will be in the team if and only if C is selected

1. This means if Z is in the team C is in the team.

2. C can be present alone.

ELITES GRID

A team of five is to be selected from amongst five boys A, B, C, D and E and four girls P, Q, R and S. Some criteria for
selection are:
- A and S have to be together.
- P cannot be put with R.
- D and Q cannot be together.
- C and E have to be together.
- R cannot be put with B.
Unless otherwise stated, these criteria are applicable to all the question below:

Q1. If two of the members have to be boys, the team will consist of:
A. A, B, S, P, Q   B. A, D, S, Q, R
C. B, D, S, R, Q   D. C, E, S, P, Q

Q2. If R be one of the members, the other members of the team are :
A. P, S, A, D   B. Q, S, A, D
C. Q, S, C, E   D. S, A, C, E

Q3. If two of the members are girls and D is one of the members, the members of the team other than D are :
A. P, Q, B, C   B. P, Q, C, E
C. P, S, A, B   D. P, S, C, E

There are five men A, B, C, D and E and six women P, Q, R, S, T and U, A, B and R advocates; C, D, P, Q and S are doctors and the rest are teachers. Some terms are to be selected from amongst these eleven persons subject to the following condition:
- A, P and U have to be together.
- B cannot go with D or R.
- E and Q have to be together.
- C and T have to be together.
- D and P cannot go together.
-C cannot go with Q.

Q1. If the term is to consist of two male advocates, two lady doctors and one teachers, the members of the team are :
A. A, B, P, Q, U   B. A, B, P, U, S
C. A, P, R, S, U   D. Both A and B are possible

Q2. If the term is to consist of one advocate, two doctors, three teachers and C may not go with T, the members of the
team are :
A. A, E, P, Q, S, U   B. A, E, P, Q, T, U
C. B, E, Q, S, T, U   D. E, Q, R, S, T, U

Q3. If the term is to consist of one male advocate, on male doctor, one lady doctor and two teachers, the members of
the term are:
A. A, C, P, T, U   B. A, D, E, P, T
C. A, D, E, P, U   D. B, C, E, Q, U

ELITES GRID

There are five men A, B, C, D and E and six women P, Q, R, S, T and U. A, B and R advocates; C, D, P, Q and S are doctors and the rest are teachers. Some terms are to be selected from amongst these eleven persons subject to the following condition:
- A, P and U have to be together.
- B cannot go with D or R.
- E and Q have to be together.
- C and T have to be together.
- D and P cannot go together.
-C cannot go with Q.

Q1. If the team is to consist of two male advocates, two lady doctors and one teachers, the members of the team are :
A. A, B, P, Q, U   B. A, B, P, U, S
C. A, P, R, S, U   D. Both A and B are possible

Q2. If the team is to consist of one advocate, two doctors, three teachers and C may not go with T, the members of the
team are :
A. A, E, P, Q, S, U   B. A, E, P, Q, T, U
C. B, E, Q, S, T, U   D. E, Q, R, S, T, U

Q3. If the team is to consist of one male advocate, on male doctor, one lady doctor and two teachers, the members of
the term are:
A. A, C, P, T, U   B. A, D, E, P, T
C. A, D, E, P, U   D. B, C, E, Q, U

From amongst five doctors A, B, C, D and E, four engineers G, H, K and L and six teachers M, N, O, P, Q and R, some teams are to be selected. Of these, A, B, G, H, O, P and Q are females and the rest are males.

The formation of teams is subject to the following conditions:
- Wherever there is a male doctor, there will be no female teacher.
- Wherever there is a male engineer, there will be no female doctor.
- There shall not be more than two male teachers in any team.

Q1. If the team consists of two doctors, three females teachers and two engineers, the members of the team are :
A. A, B, O, P, Q, G, H   B. C, D, K, L, O, P, Q
C. C, D, O, P, Q, G, H   D. D, E, G, H, O, P, Q

Q2. If the team consists of two doctors, one engineer and four teachers, all the following teams are possible except :
A. A, B, G, M, N, O, P   B. A, B, H, M, O, P, Q
C. A, B, H, M, R, P, Q   D. A, B, K, N, R, P, Q

Q3. If the team consists of two doctors, female teachers and two engineers, all the following teams are possible except :
A. A, B, G, H, O, Q   B. A, B, G, H, P, Q
C. A, B, K, L, P, Q   D. O, P, G, H, A, B

Eight students A, B, C, D, E, F, G and H are planning to enjoy car racing. There are only two cars and following are the conditions:
(i) One car can accommodate maximum five and minimum four students.
(ii) A will sit in the same car in which D is sitting but H is not in the same car.
(iii) B and C can't sit in the same car in which D is sitting.
(iv) F will sit in the car of four people only along with A and E but certainly not with G.

Q1. If H and G are sitting in the same car, who are other two students sitting in the same car ?
A. B and C
B. C and D
C. B and D
D. E and B

Q2. If E and A are sitting in the same car, which of the following statements is true?
A. Five students are sitting in the same car.
B. B is sitting in the same car.
C. F is not sitting in the same car.
D. G is not sitting in the same car.

A director is casting a movie about twins. Selection must be made from among nine people - A, B, C, D, E, F, G, H, and I. A is B's twin, C is D's twin, and E is F's twin. G, H and I may each be selected only as "extras".
- At least two pairs of twins must be selected.

- At least as many women as men must be selected.

- A and B must both be selected if either is selected.

- C and D must be selected if either is selected.

- E and F need not both be selected.

- At least one "extra" must be selected.

- A, B, E, G and H are men.

Q1. Which of the following is an acceptable case for the movie?
a. A, B, E, F, I
b. C, D, F, G, H, I
c. B, C, D, E, H, I
d. C, D, E, F, G, H, I

Q2. Which of the following people must be included in the cast?
a. D
b. I
c. F
d. H