SET-1

A flower garden has 5 parallel rows of flowers. The gardener has a choice of 7 different types of flowers, Azaleas, Begonias, Camellias, Dahlias, Gardenias, Petunias and Zinnias. He observes certain rules every year while planting the garden, viz:

a) No two adjacent rows contain the same type of flower

b) A single type of flower can be planted in not more than two rows

c) If Azaleas are planted, Dahlias also must be planted

d) Gardenias are not planted unless Petunias are also planted

e) Camellias cannot be planted immediately next to Dahlias

f) At least two out of Azaleas, Camellias and Zinnias must be present in a given planting

g) Begonias and Petunias must be planted together, though not necessarily in adjacent rows

Q1. Which of the following, in order, cannot be planted in a given year?

1) Camellias, Zinnias, Dahlias, Azaleas, Camellias

2) Azaleas, Dahlias, Zinnias, Camellias, Azaleas

3) Azaleas, Dahlias, Azaleas, Gardenias, Camellias

4) Begonias, Petunias, Gardenias, Camellias, Zinnias

Q2. If the first and third row contain Azaleas and the second has Camellias then the fifth row can have

1) Zinnias 2) Gardenias

3) Petunias 4) Camellias

Q3. If Dahlias are planted in the second and fourth rows, then the other three rows, in order, can contain

1) Azaleas, Zinnias, Begonias

2) Azaleas, Azaleas, Zinnias

3) Azaleas, Camellias, Zinnias

4) Camellias, Azaleas, Gardenias

SET-2

Eight speakers L, M, N, O, P, Q, R and S are to be scheduled to speak in eight slots, one after another, the first four in the morning session and the rest after a lunch break in the afternoon session. It is also known that:

P must speak in the afternoon session.

R cannot be the first speaker in a session.

M and N must be awarded consecutive slots (not necessarily in that order).

Q and O must not be scheduled to speak in the same session.

Q1. If N is the 6th speaker, which of the following slots could be allocated to R?

1) 1st

2) 3rd

3) 7th

4) 8th

Q2. Which of the following, in order, could be a possible schedule for the morning session?

1) Q, M, N, P

2) R, O, Q, S

3) Q, R, S, N

4) S, M, N, R

Q3. If the first two speakers are S and M, which of the following can be true?

1) L can be the 4th speaker

2) R can be the 5th speaker

3) Q can be the 6th speaker

4) N can be the 7th speaker

SET-3

Akira and Aroki read four books each from among A, B, C, D, E, F, G and H such that each of the eight books was read by exactly one person. Further the following information was known. The person who read D, also read F. Books A and B were not read by the same person. The person who read book F, did not read book C.

Q1. If Akira read books E and G, then Aroki did not read book

(A) D (B) F (C) H (D) C

Q2. If books C and E were not read by the same person, then which of the following two books was definitely read by the same person

(A) A and C (B) B and C

SET-4

Nine workers – W1, W2, W3, W4, W5, W6, W7, W8, and W9 are to be allotted work in four shifts – Morning, Afternoon, Evening and Night with not more than three workers in the same shift. The workers are allotted the shifts as per the following conditions. Each worker can be allotted work in only a single shift.

W1 and W2 do not work in the same shift.

W3 is to be allotted a shift, earlier than W6 but later than W2.

W2 is to be allotted the morning shift and W4 is to be allotted a shift which is two shifts after W1.

W5 and W7 are both allotted the same shift and it is one shift earlier than the shift allotted to W6.

W9 is allotted the same shift as W3. W8 cannot be allotted work in which of the following shift?

(A) Morning (B) Afternoon

(C) Evening (D) Night

SET-5

(1) If A wins, then B wins.

(2) If B wins, then C does not win.

(3) Only if D wins, then at most one of A or C wins.

If there are only four players A, B, C and D, then which of the following must be true?

(A) D wins

(B) D does not win

(C) B wins

(D) A does not win

SET-6

A housing society has 6 primary members A, B, C, D, E & F and 4 associate members G, H, I & J. These members are to be used to form 3 working committees X, Y and Z. Each member of the housing society has to be a member of exactly one of the committees. Committee X has the highest number of members and Committee Z the least number of members, with no two committees having equal number of members. The following conditions are also known to us.

1. Each committee is to have at least 1 primary member and at least 1 associate member.

2. I will not work on Committee Y.

3. A and G cannot be part of the same committee.

4. C and J only work on the same committee.

5. E will work only on Committee Z and H will work only on Committee X.

6. No more than 2 out of B, D and F can work on the same committee.

Q1. All of the following can be part of Committee X except:

1) B

2) C

3) G

4) A

Q2. If F & G belong to the same committee, then which two of the following are definitely in a committee together?

1) A & D

2) A & C

3) B & C

4) B & A

Q3. If G belongs to Committee Y, then which of the following cannot be Committee X?

1) HCJAB

2) HCJBD

3) HCJAD

4) HCJAF

SET-7

Seven persons - Raj, Tharun, David, Jacob, Ratan, Murthy, and Ahmed - attended meetings on different days of the same week Sunday to Saturday, not necessarily in the same order. Each day only one person attended the meeting. The following information is known about the meetings attended by them.

1. Either David or Murthy attended the meeting on Monday.

2. Tharun attended the meeting either on Monday or on Thursday.

3. Jacob attended the meeting on either Tuesday or Sunday.

4. Ahmed did not attend the meeting on Saturday.

5. Either Raj or Murthy attended the meeting on Sunday.

6. Ratan attended the meeting on Friday.

1. Who attended the meeting on Wednesday?

a) Murthy

b) Ahmed

c) Jacob

d) Cannot be determined

2. On which day did Jacob attend the meeting?

a) Tuesday

b) Wednesday

c) Monday

d) Saturday

3. If Raj attended the meeting immediately after the day on which Ratan attended, then on which day did Murthy attend the meeting?

a) Tuesday

b) Wednesday

c) Monday

d) Sunday

SET-8

Each of the five friends-Sheetal, Emanuel, John, Katrina and Hrithik works in a different company among TCS, Infosys, IBM, Wipro, CTS and likes a different colour among White, Black, Blue, Pink and Yellow, not necessarily in the same order. The following information is known about them.

1. The five friends are, Emanuel, the one who likes Pink, the one who works in Infosys, the one who works in IBM and John.

2. Either Katrina or Hrithik likes Blue colour.

3. Neither the person who works in Wipro nor the person who works in CTS likes Yellow colour.

4. Emanuel does not work in CTS and John does not like Black colour.

5. Sheetal works in TCS.

Q1. Who works in CTS?

a) Emanuel

b) John

c) Katrina

d) Cannot be determined

Q2. In which company does Katrina work?

a) CTS

b) Infosys

c) IBM

d) Cannot be determined

Q3. Which of the following is the correct combination of the person, the company he/she works and the colour he/she likes respectively?

a) Emanuel-IBM-Black

b) John-CTS-White

c) Katrina-Infosys-Yellow

d) Hrithik-IBM-Blue

Q4. Which of the following data is sufficient to get the complete arrangement?

a) The person who works in IBM does not like yellow colour.

b) Hrithik works in Infosys but does not like yellow colour.

c) Hrithik likes Blue colour.

d) None of the above is sufficient.