Complex Assignments

Model 1

> **Exercise 1**

Directions (1-5): Study the following information to answer the given questions:

P,Q,R,S,T,V,W and Z are eight friends studying in three different engineering colleges – A, B and C in three disciplines – Mechanical, Electrical and Electronics with not less than two and not more than three in any college. Not more than three of them study in any of the three disciplines. W studies Electrical in college B with only T, who studies Mechanical, P and Z do not study in college C and study in the same discipline but not Electrical. R studies Mechanical in college C with V, who studies Electrical. S studies Mechanical and does not study in the same college where R studies. Q does not study Electronics.

1. Which of the following combinations of college student specialization is correct?

    1) C – R – Electronics   2) A- Z- Electrical   3) B-W-Electrical

    4) B-Z-Electronics   5)None of these

2. In which of the following colleges do two students study in Electrical discipline?

    1) A only   2) B only   3) C only

    4) Cannot be determined   5) None of these

3. In which discipline does Q study?

    1) Electrical   2) Mechanical

    3) Electrical or Mechanical   4) Data Inadequate

    5) None of these

4. In which of the colleges at least one student studies in Mechanical discipline?

    1) A only   2) B only   3) C only

    4) Both A and B   5) All A,B and C

5. S studies in which college?

    1) A   2) B   3) A or B

    4) Data Inadequate   5) None of these

Exercise 2

Directions (6-10): Study the following information to answer the given questions:

A,B,C,D,E,F,G and H are eight employees working in three departments – Marketing, Finance and Production – in an organization with at least two of them in any department. Each of them has a different choice of TV channels from Star, Zee, ESPN, DD, Sony, NDTV, AajTak and BBC not necessarily in the same order.

D likes ESPN and he works in Production department with only G.B and F do not work in the same department.H likes DD and does not work in Finance department. A does not work in the same department with either F or C, who does not work in Marketing department. E works with C in the same department and likes Star. B likes AajTak and none of his colleagues in the department likes either Sony or NDTV. G likes Zee. F does not like Sony.

6. Which channel does A like?

    1) DD   2) NDTV   3) BBC

    4) Data inadequate   5) None of these

7. In which department does F work?

   1) Marketing   2) Production   3) Finance

   4) Marketing or Finance   5) None of these

8. Which channel does F like?

   1) Zee   2) NDTV   3) BBC

   4) Data Inadequate   5) None of these

9. Which of the following groups work in marketing department?

   1) BAC   2) BGE   3) HBE   4) BAE   5) None of these

10. In which department does B work?

   1) Marketing   2) Production   3) Finance

   4) Data Inadequate   5) None of these

Model 2

▶ **Exercise 1**

Directions (11-15): Study the following information to answer the given questions:

P, Q, R, S, T, V and W are seven students of a school. Each of them studies in a different standard—from Standard IV to Standard X—-not necessarily in the same order. Each of them has a favorite subject from English, Science, History, Geography, Mathematics, Hindi and Sanskrit, not necessarily in the same order.

Q studies in VII Standard and does not like either Mathematics or Geography. R likes English and does not study either in V or in IX. T studies in VIII Standard and likes Hindi. The one who likes Science studies in X Standard. S studies in IV Standard. W likes Sanskrit. P does not study in X Standard. The one who likes Geography studies in V Standard.

11. In which standard does W study?

    1) VII   2) IX   3) X

    4) Data inadequate   5) None of these

12. Which subject does P like?

    1) Geography   2) Mathematics   3) English

    4) History   5) None of these

13. Which subject does S like?

    1) History   2) Geography   3)Mathematics

    4) Data inadequate   5) None of these

14. In which standard does P study?

    1) IV   2)VII   3) IX   4) X   5) None of these

15. Which of the following combinations of student standard-subject is correct?

    1) T - VIII – Mathematics   2) W - VII – Sanskrit   3) Q-VII-Geography

    4) V - X – Science   5) None of these

Exercise 2

Directions (16-20): Study the following information carefully and answer the given questions. A, B, C, D, E, F and G are seven friends studying seven different branches of engineering, namely Mechanical, Chemical, Electrical, Electronics, Civil, Computer and Aeronautical Engineering, not necessarily in this order. Each of them studies in three different colleges, X, Y and Z. Not less than two study in any college. D studies Electrical engineering in College X. The one who studies Chemical Engineering does not study in college Z. F studies Aeronautical Engineering in college Y with only B. A does not study in college X and does not study Civil

Engineering. E studies Computer Engineering and does not study in college X. G studies Electronics Engineering but not in college X. None in college X studies Mechanical or Civil Engineering.

16. Which of the following groups represents the persons studying in college Z?

    1) D,B   2) C, E, G   3) A, G   4) G,E,A   5) None of these

17. In which of the following colleges does C study?

    1) X   2) Y   3) Z

    4) Either X or Z   5) Cannot be determined

18. Which of the following combinations is correct?

    1) A-Civil-Z   2) B-Chemical-Y   3) C-Chemical-Z

    4) D-Electronics-Y   5) None of these

19. B studies which of the following branches of engineering?

    1) Chemical   2) Mechanical   3) Civil

    4) Cannot be determined   5) None of these

20. In which branch and in which college does D study?

    1) Civil-Z   2) Chemical-Y   3) Electrical-X

    4) Electronics-Y   5) None of these

Answers

1 - 3	2 - 3	3 - 1	4 - 5	5 - 1	6 - 3	7 - 3	8 - 2	9 - 5	10 - 1
11 - 2	12 - 1	13 - 3	14 - 5	15 - 4	16 - 4	17 - 1	18 - 5	19 - 3	20 - 3

Additional Examples

Directions (1-5): Study the following information carefully and answer the questions.

Seven people, P, Q, R, S, T, U and V have a seminar, but not necessarily in the same order, in seven different months (of the same year), namely January, February, March, June, August, October, December. Each of them also likes a different fruit, namely Banana, Grapes, Papaya, Orange, Mango, Litchi and Apple, but not necessarily in the same order.

R has a seminar in a month which has less than 31 days. Only two people have a seminar between R and S. The one who likes Banana has a seminar immediately before S. Only one person has a seminar before the one who likes Papaya. Q has a seminar immediately after the one who likes Papaya. Only three people have a seminar between Q and the one who likes Mango. T likes neither Mango nor Papaya. P has a seminar immediately before T. V likes Apple. The one who likes Grapes has a seminar in the month which has less than 31 days. The one who has a seminar in March does not like Orange.

1. In which of the following months does S have a seminar?

    1) January   2) Cannot be determined   3) October

    4) December   5) June

2. Who among the following have seminars in January and June respectively?

    1) V,S   2) U,S   3) Q,T   4) V,R   5) U,R

3. How many people has/have a seminar between the months in which V and R have seminars?

    1) None   2) Two   3) Three   4) One   5) More than three

4. As per the given arrangement, R is related to Banana and Q is related to Orange following a certain pattern. Which of the following is V related to following the same pattern?

   1) Mango   2) Litchi   3) Apple   4) Papaya   5) Grapes

5. Which of the following fruits does U like?

   1) Orange   2) Papaya   3) Mango   4) Banana   5) Grapes

Directions (6-8): Study the following information carefully and answer the questions given below:

Five persons V, W, X, Y and Z are participating in a cycling race. They ride on five tracks. Track 1 is at the extreme left and Track 5 is at the extreme right. W and Z are not cycling adjacent to each other. Y is not on the tracks on the extreme ends. W is on track three. V is to the left of X.

6. If X is on Track 4 then Z is on which of the following tracks?

   1) Track 1   2) Track 5   3) Track 2

   4) Cannot be determined   5) None of these

7. X rides definitely on which of the following tracks?

   1) Track 2   2) Track 4   3) Either 1) or 2)

   4) Track 1   5) None of these

8. If Y is to the left of V then X is on which of the following tracks?

   1) Track 4   2) Track 2   3) Track 1   4) Track 5   5) None of these

Directions (9-13): Study the following information carefully and answer the given questions.

Ten members of a family are sitting in a restaurant in two parallel rows of chairs containing five people each, in such a way that there is equal distance between adjacent persons. In row 1- M, N, O, P and Q are seated and all of them are facing south. In row 2-A, B, C, D, and E are seated and all of them are facing north. Each of them likes different flavor of ice cream, viz Butterscotch, Vanilla, Strawberry, Black Cherry, Chocobar, Mango Bar, Butter Cluster, Tutti Frutti, Orange Sorbet and Kurly Wurly but not necessarily in the same order. In the given seating arrangement, each member seated in a row faces another member of the other row.

D sits third to the left of the person who likes Orange Sorbet. M, who likes Black Cherry faces the immediate neighbour of D. O, who likes Strawberry, sits second to the right of M. Only one person sits between N and P, who like Vanilla and Mango Bar respectively. B and E are immediate neighbours of each other. E, who does not face M and N, likes Butterscotch. B does not like Orange Sorbet. A sits second to the right of the person who likes Chocobar. C likes neither Black Cherry nor Butter Cluster. The one who likes Vanilla faces the one who likes Kurly Wurly. Q does not like Black Cherry.

9. Who likes Black Cherry?

    1) Q   2) D   3) C   4) M   5) None of these

10. Who sits third to the left of N?

    1) P   2) Q   3) M   4) O   5) None of these

11. Which of the following information is true in respect of the given information?

    1) D likes Tutti Frutti

    2) P likes Mango Bar and sits on the immediate left of N

    3) A likes Black Cherry

    4) E is the immediate neighbour of B and D

    5) None of these

12. Who faces the one who likes Butter Cluster?

    1) E   2) A   3) B   4) D   5) None of these

13. Which of the following combinations is false with respect to the given information?

    1) D- Kurly Wurly   2) M – Black Cherry   3) Q- Orange Sorbet

    4) B-Chocobar   5) None of these

Answers

1 - 4	2 - 4	3 - 2	4 - 2	5 - 2	6 - 5	7 - 5	8 - 4	9 - 4	10 - 2
11 - 5	12 - 2	13 - 3							