LOGICAL DEDUCTIONS

INTRODUCTION:

This section of logical reasoning comprises of questions put in the form of puzzles involving certain numbers of items, persons or things. The candidate is required to analyze the given information, condense it, in a suitable form and deduce the result asked in the question.

Directions: (Questions 1 to 4): Read the following information to answer the given

There is a family of six persons G, J, B, E, T, and Z. Their professions are teacher, writer, actor, singer, dancer and lawyer but not respectively in the same order. G is a teacher. Z is a dancer. B is neither writer nor actor. E is neither singer nor lawyer. T is an actor. J is a lawyer.

1. Who among them has a profession of lawyer?
    (a) J   (b) B   (c) E   (d) T
2. Who is the teacher among them?
    (a) J   (b) B   (c) E   (d) G
3. Which profession does E belong to?
    (a) Writer   (b) Teacher   (c) Singer   (d) Dancer
4. Who is dancer among them?
    (a) T   (b) Z   (c) G   (d) J

Directions: (Questions 5 to 7): Read the following information carefully and answer the questions given below:

Rizwan and Kashif are good in Hockey and Volleyball. Saeed and Rizwan are good in Hockey and Baseball. Ghafoor and Kashif are good in Cricket and Volleyball. Saeed, Ghafoor and Muneeb are good in Football and Baseball.

5. Who is good in Hockey, Cricket and Volleyball?
    (a) Saeed   (b) Kashif   (c) Rizwan   (d) Ghafoor
6. Who is good in Baseball, Cricket, Volleyball and Football?
    (a) Saeed   (b) Kashif   (c) Ghafoor   (d) Rizwan
7. Who is good in Baseball, Volleyball and Hockey?
    (a) Saeed   (b) Kashif   (c) Rizwan   (d) Ghafoor

Directions: (Questions 8 to 12): Study the following information and answer the questions given below it:

There is a group of five students A, B, C, D and E from KIPS college. B and E are good in Dramatics and Computer Science. A and B are good in Computer Science and Physics. A, C and D are good in Physics and History. A and C are good in Physics and Mathematics. D and E are good in History and Dramatics.

8. Who is good in Physics, History and Dramatics?
    (a) A   (b) B   (c) D   (d) E
9. Who is good in Physics, History and Mathematics, but not in Computer Science?
    (a) A   (b) B   (c) C   (d) D
10. Who is good in Computer Science, History and Dramatics?
    (a) A   (b) B   (c) C   (d) E
11. Who is good in History, Physics, Computer Science and Mathematics?
    (a) A   (b) B   (c) C   (d) D

12. Who is good in Physics, Dramatics and Computer Science?
    (a) A   (b) B   (c) D   (d) E

Three persons A, B and C wore shirts of black, blue and orange colours (not necessarily in that order) and pants of green, yellow and orange colours (not necessarily in that order). No person wore pant and shirt of the same colour. Further, it is given that

(i) A did not wear shirt of black colour.
(ii) B did not wear shirt of blue colour.
(iii) C did not wear shirt of orange colour.
(iv) A did not wear pant of green colour.
(v) B wore pant of orange colour.

13. What were the colours of pant and shirt worn by C, respectively?
    (a) Yellow and Black   (b) Yellow and Blue
    (c) Green and Blue   (d) Orange and Black

In a group of six women, there are four dancers, four vocal musicians, one actress and three violinists. G and V are among the violinists while J and S do not know how to play on the violin. S and T are among the dancers J, V, S and T are all vocal musicians and two of them are also violinists.

14. If P is an actress, who among the following is both a dancer and a violinist?
    (a) J   (b) S   (c) T   (d) P

Four players A, B, C and D are holding 4 cards each. Each of them has an Ace, a King, a Queen and a Jack. All of them have all the suits (spades, hearts, clubs and diamonds).

(i) A has Ace of spades and Queen of diamonds.
(ii) B has Ace of clubs and King of diamonds.
(iii) C has Queen of clubs and King of spades.
(iv) D has Jack of clubs.

15. Jack of hearts is with
    (a) A   (b) B   (c) C   (d) D

Direction: (Questions 16 to 17): Read the following information and answers the questions given below it.

(i) Amna is older than Sanya.
(ii) Muskan is elder than Amna but younger than Kashmala.
(iii) Kashmala is elder than Sanya.
(iv) Sanya is younger than Muskan.
(v) Gulrukh is the eldest.

16. Who is the youngest?
    (a) Kashmala   (b) Amna   (c) Muskan   (d) Sanya

17. Age wise, who is in the middle?
    (a) Kashmala   (b) Amna   (c) Muskan   (d) Sanya

18. A, B, C, D and E are five friends. A is shorter than B but taller than E. C is the tallest. D is shorter than B and taller than A. Who has two persons taller and two persons shorter than him/her?
    (a) A   (b) B   (c) C   (d) D

19. If P is taller than Q, R is shorter than P, S is taller than T but shorter than Q, then who among them is the tallest?

   (a) P   (b) Q   (c) S   (d) T

(i) Ghulam Rasool is shorter than Ali but taller than Kamran.
(ii) Naeem is shorter than Kamran.
(iii) Jameel is taller than Naeem.
(iv) Ali is taller than Jameel.

20. Who among them is the tallest?

   (a) Ali   (b) Naeem   (c) Kamran   (d) Jameel

21. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre, and A and P are at the ends. R is sitting on the left of A. Then who is sitting on the right of P?

   (a) A   (b) S   (c) X   (d) Z

22. In a March Past, seven persons are standing in a row. Q is standing left to R but right to P. O is standing right to N and left to P. Similarly, S is standing right to R and left to T. Find out who is standing in the middle.

   (a) P   (b) Q   (c) R   (d) O

23. In the Olympic games, the flags of six nations were flown on the masts in the following way:
   The flag of America was to the left of Pakistan and to the right of the flag of France. The flag of England was on the right of the Pakistan flag but was to the left of the flag of Japan, which was to the left of the flag of China. Find the two flags which are in the centre.

   (a) Pakistan and England   (b) America and Pakistan

   (c) Japan and England   (d) America and England

   In a cricket season, Pakistan defeated Australia twice, West Indies defeated Pakistan twice, Australia defeated West Indies twice, Pakistan defeated New Zealand twice, and West Indies defeated New Zealand twice.

24. Which country has lost most number of times?

   (a) Pakistan   (b) Australia   (c) New Zealand   (d) West Indies

   There is a family of six persons E, I, R, K, T, and Y. I and R are sisters. T is mother of R and E is son-in-law of K. K is father of I. Y is grandson of T and I is mother of Y.

25. How is R related to Y?

   (a) Aunt   (b) Niece   (c) Sister   (d) Mother

   H, Q, C, L, N and F are six members of a family. There are two married couples among them. C is the mother of H and F. N is the father of L. H is the grandson of Q.
   The total number of female members in the family is three.

26. How is Q related to F?

(a) Sister   (b) Grandmother   (c) Wife   (d) Data missing

P, Q, R, S, T and U are six members of a family. Two married couples are there. Q is a priest and the father of T. U is grandfather of R and is a lawyer. S is a doctor and she is the grandmother of T. Other professionals include one priest, one lawyer, one engineer, one doctor and two graduates in the family.

27.   Who is the husband of P?

(a) R   (b) U   (c) Q   (d) S

Direction: (Question 28 to 29): Read the following information to answer the given

A, B, C, D and E are five friends. B is elder to E, but not as tall as C. C is younger to A, and is taller to D and E. A is taller to D, but younger than E. D is elder to A but is shortest in the group.

28.   Who among the following is the eldest?

(a) A   (b) B   (c) C   (d) None of these

29.   Which of the following pairs of students is elder to D?

(a) BA   (b) BC   (c) BE   (d) None of these

30.   If F, another friend, is taller than C, how many of them will be between F and E according to their height?

(a) Three   (b) One   (c) Two   (d) None of these

ANSWER KEY

1	a	11	a	21	c
2	d	12	b	22	b
3	a	13	c	23	a
4	b	14	c	24	c
5	b	15	a	25	a
6	c	16	d	26	b
7	c	17	c	27	c
8	c	18	d	28	d
9	c	19	a	29	d
10	d	20	a	30	d