**Coding-decoding**

1. If ‘FISH’ is written as ‘EHRG’ in a certain code, then how would ‘JUNGLE’ be written in that same code? (1) ITMFKD (2) ITNFKD (3) KVOHMF (4) TIMFKD (5) None of these

2. If ‘GIRL’ is written as ‘FJSK’ in a certain code, then how would ‘BOY’ be written in that same code?

(1) CPX (2) APX (3) APZ (4) CPZ (5) None of these

3. If ‘HAPPY’ is written as ‘IBQQZ’ in a certain code, then how would ‘SORROW’ be written in that code? (1) TPSSXX (2) TTPSSPX (3) TPPSPX (4) TPSSSX (5) None of these

4. If the word ‘TABLECLOTH’ is coded as ‘XEMRANRIXT’, how can ‘HOTEL’ be coded?

(1) RIXAT (2) TIXAR (3) TAXIR (4) RAXIT

5. If in a certain code language, ‘MIRACLE’ is coded as ‘NKUEHRL’, then how is ‘GAMBLE’ coded in that same code language?

(1) JDOCMF (2) CLEMNK (3) HCPFQK (4) AELGMN (5) None of these

6. If in a certain code language, ‘BROWSER’ is written as ‘RESWORB’, then how ‘TEACHER’ be coded in that same language?

(1) REHCEAT (2) REHCAET (3) REHCTEA (4) AHRCTEA (5) None of the above

7.In a certain code, P is #, A is %, C isf and E is @. How is PEACE written in that code?

(1) #@%@# (2) #@#f@ (3) %#@f% (4) #@%f@ (5) None of these

8. In a certain code, ‘BELIEF’ is written as ‘AFKKDH’. How would ‘SELDOM’ be written in that code?

(1) RDKCHL (2) RFKENM (3) RFKFNO (4) TFKENP (5) None of these

9. In a certain code, ‘INSTITUTION’ is written as ‘NOITUTITSNI’. How would ‘PERFECTIONS’ be written in that code? (1) SNOICTEREP (2) SNOITCEFERP (3) SNOITCEFRPE (4) SNOITCEFREP (5) SNOITCEFPER

10. If ‘DELHI’ is coded as ‘73541’ and ‘CALCUTTA’ as ‘82589662’, how will ‘CALICUT’ be coded?

(1) 5279431 (2) 5978213 (3) 8251896 (4) 8543691

**Direction Test**

1. Deepak starts walking straight towards east. After walking 75 m he turns to the left and walks 25 m straight. Again he turns to the left and walks a distance 40 m straight, again he turns to the left and walks a distance of 25 m. How far is he from the starting point?

a) 140 m b) 35 m c) 115 m d) 25

2. Arun started walking towards north. After walking 30m , he turned left and walked 40m. He then turned left and walked 30m. He again turned left and walked 50m. How far was he from his original position?

a) 50 m b) 40 m c) 10 m d) 20m

3. Ramu went 15 kms to the west from his house, then he turned left and walked 20 kms. He then turned east and walked 25 kms and finally turning left covered 20 kms. How far was he from his house?

a) 5 kms b) 10 kms c) 40 kms d) 80 kms

4. Rekha who is facing south turns to her left and walks 15 m, then she turns to her left and walks 7 meters, then facing west she walks 15m. How far is she from her original position?

a) 22 m b) 37 m c) 44 m d) 7m

5. Going 50 m to the south of her house, Radhika turns left and goes another 20m. Then turning to the north, she goes 30m. and then starts walking to her house. In which direction is she walking now?

a) North-West b) North c) South -East d) East

6. Shailesh and Mohan starts from a fixed point. Shailesh moves 3 km northward, turns right and then covers 4 km. Mohan moves 5 km westwards, turns right and walks 3 km. The distance between Shailesh and Mohan now is

a) 10 km b) 9 k m c) 8 km d) 6 km

7. A man walks 30 meters towards south. Then, turning to his right , he walks 30 metres. Then turning to his left, he walks 20 meters. Again, he turns to his left and walks 30 meters. How far is he from his initial position?

a) 30 meters b) 20 meters c) 50 meters d) 60 meters

8. Suresh starts from his house towards west. After walking a distance of 30 m, he turned towards right and walked 20 meters. He then turned left and moving a distance of 10 meters, turned to his left again and walked 40 meters. He now turns to the left and walks 5 meters. Finally he turns to his left. In which direction is he walking now?

a) North b) South c) East d) West

9. Aman walks 10 km towards north. From there he walks 6 km towards south. Then he walks 3 km towards east. How far is he now and in which direction with reference to his starting point?

a) 7 km east b) 5 km west c) 5 km north-east d) 7 km west

10. One morning after sunrise, Sumesh and Ratheesh were standing on a lawn with their backs towards each other. Sumesh's shadow fell exactly towards left hand side. Which direction was Ratheesh facing?

a) East b) West c) North d) South

**Series**

Directions: What should come in place of question mark (?) in the following number series?

1. 1050 420 168 67.2 26.88 10.752 ?

(a) 4.3008 (b) 6.5038 (c) 4.4015 (d) 5.6002 (e) None of these

2. 0 6 24 60 120 210 ?

(a) 343 (b) 280 (c) 335 (d) 295 (e) None of these

3. 15 19 83 119 631 (?)

(a) 731 (b) 693 (c) 712 (d) 683 (e) None of these

4. 19 26 40 68 124 (?)

(a) 246 (b) 238 (c) 236 (d) 256 (e) None of these

5. 11 10 18 51 200 (?)

(a) 885 (b) 1025 (c) 865 (d) 995 (e) None of these

6. 14 24 43 71 108 (?)

(a) 194 ( b) 154 (c) 145 (d) 155 (e) None of these

7. 144 173 140 169 136 (?)

(a) 157 ( b) 148 (c) 164 (d) 132 (e) None of these

8. 656 352 200 124 86 (?)

(a) 67 (b) 59 (c) 62 (d) 57 (e) None of these

9. 12 18 36 102 360 (?)

(a) 1364 (b) 1386 (c) 1384 (d) 1376 (e) None of these

10. 71 78 99 134 183 (?)

(a) 253 (b) 239 (c) 246 (d) 253 (e) None of these

**In each of these questions, a number series is given. In each series, only one number is wrong number. Find out the wrong number.**

1. 3601 3602 1803 604 154 36 12

(a) 3602 (b) 1803 (c) 604 (d) 154 (e) 36

2. 4 12 42 196 1005 6066 42511

(a) 12 (b) 42 (c) 1005 (d) 196 (e) 6066

3. 32 16 24 65 210 945 5197.5

(a) 945 (b) 16 (c) 24 (d) 210 (e) 65

4. 7 12 40 222 1742 17390 208608

(a)7 (b) 12 (c) 40 (d) 1742 (e) 208608

5. 6 91 584 2935 11756 35277 70558

(a) 91 (b) 70558 (c) 584 (d) 2935 (e) 35277

**Blood Relations**

1.A family has a man, his wife, their four sons and their wives. The family of every son also has 3 sons and one daughter. Find out the total number of male members on the whole family?

(a) 4 (b) 8 (c) 12(d) 17

2. A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C?

(a) Father (b) brother (c) Grandfather(d) Uncle (e) None of these

3. A is B's sister. C is B's mother. D is C's father, E is D's mother. Then, how is A related to D?

(a) Grandmother (b) Grandfather(c) Daughter (d) Grand daughter

Read the following information carefully and answer the questions given below(4-5): Ravi is the son of Aman's father's sister. Sahil is son of Divya who is mother of Gaurav and grandmother of Aman.

Ashok is the father of Tanya and grandfather of Ravi. Divya is wife of Ashok.

4. How is Ravi related to Divya?

(a) Nephew (b) Grandson (c) Son (d) Data inadequate (e) None of these

5. How is Gaurav's wife related to Tanya?

(a) Niece (b) Sister (c) Sister-in-law(d) Data inadequate (e) None of these

Read the following information carefully and answer the questions given below(6-9):

There are six children playing football, namely A, B, C, D, E, and F. A and E are brothers. F is the sister of E. C is the only son of A's uncle. B and D are daughter of the brother of C's father.

6. How is C related to F?

(a) Cousin(b) brother (c) son (d) Uncle (e) None of these

7. (ii) How many male players are there?

(a) One (b) Three(c) Four(d) Five (e) Six

8. How many female players are there?

(a) One (b) Two (c) Three(d) Four (e) Five

9. How is D related to A?

(a) Uncle (b) Sister (c) Niece (d) Cousin(e) None of these

Read the following information carefully and answer the questions given below(10-13):

Prashant Arora has three children—Sangeeta, Vimal and Ashish. Ashish married Monika, the eldest daughter of Mr. and Mrs. Roy. The Roys married their youngest daughter to the eldest of Mr. and Mrs. Sharma, and they had two children named Amit and Shashi. The Roys have two more children, Roshan and Vandana, both elder to Veena. Sameer and Ajay are sons of Ashish and Monika. Rahsmi is the daughter of Amit.

10. What is the surname of Rashmi?

(a) Sharma (b) Roy (c) Arora (d) Cannot be determined (e) None of these

11. How is Sameer related to Monika's father?

(a) Grandson(b) Son (c) Cousin (d) Son-in-law(e) None of these

12. What is the surname of Sameer?

(a) Roy(b) Sharma (c) Arora(d) Cannot be determined (e) None of these

13. How is Mrs. Roy related to Ashish?

(a) Aunt(b) Mother-in-law (c) Mother (d) Sister-in-law(e) None of these

14. If 'A$B' means 'A is the father of B', 'A \* B' means 'A is the mother of B' 'A @ B' means 'A is the wife of B’, then which of the following means ‘M is the grandmother of N'?

(a) M\*T$N@R (b) M\*T$R@N(c) M\*R$T@N (d) M\*R@T@N(e) None of these

Read the following information carefully to answer the question given below:

(i) 'A × B' means 'A is the brother of B';

(ii) 'A ÷ B' means 'B is the father of A';

(iii) 'A + B' means 'A is the sister of B';

(iv) 'A - B’ means 'A is the mother of B';

15. Which of the following means 'Q is the paternal uncle of K'?

(a) K × P ÷ M × Q

(b) K × B ÷ N × Q × D

(c) Q × L ÷R × K

(a) Only (a) (b) Only (b) (c) Only (c) (d) Both (a) and (b) (e) None of these

16. Which of the following statements is/are superfluous to answer the above question?

(a) (i) only (b) (ii) only (c) (iii) only (d) Only (iii) and (iv) (e) None

17. If 'P+Q' means 'P is the father of Q' 'P×Q' means 'P is the brother of Q'; 'P-Q' means 'P is the mother of Q', then which of the following is definitely true about C-A+B?

(a) B is the son of A. (b) A is the son of C. (c) B is the father of A. (d) C is the mother of B.