AB TUTORIALS

Bhatara Law Institute (Estd. 1994)

Creating value in lives

2017

SERIES

Directions: *In each of the following questions, a number series is given with one term missing. Choose the correct alternative that will continue the same pattern and fill in the blank spaces.*

1.   6, 11, 21, 36, 56, (…)
        (a) 42   (b) 51   (c) 81   (d) 91

2.   3, 9, 27, 81, (…)
        (a) 324   (b) 243   (c) 210   (d) 162

3.   0.5, 1.5, 4.5, 13.5, (…)
        (a) 45.5   (b) 39.5   (c) 30.5   (d) 40.5

4.   3, 6, 18, 72, (…)
        (a) 144   (b) 216   (c) 288   (d) 360

5.   3, 6, 5, 20, 7, 42, 9, (…)
        (a) 54   (b) 60   (c) 66   (d) 72

Directions: *In each of the following questions, one term in the number series is wrong. Find out the wrong term.*

1. 196, 169, 144, 121, 80
    (a) 80   (b) 121   (c) 169   (d) 196

2. 8, 14, 26, 48, 98, 194, 386
    (a) 14   (b) 48   (c) 98   (d) 194

3. 1, 3, 10, 21, 64, 129, 256, 777
    (a) 10   (b) 21   (c) 129   (d) 256

4. 3, 7, 15, 39, 63, 127, 255, 511
    (a) 15   (b) 39   (c) 63   (d) 127

5. 56, 72, 90, 110, 132, 150
    (a) 72   (b) 90   (c) 110   (d) 150

CODING-DECODING

1. In a certain code, TRIPPLE is written as SQHOOKD. How is DISPOSE written in that code?
   (a) CHRONRD   (b) DSOESPI
   (c) ESJTPTF   (d) ESOPSI
   (e) None of these

2. In a certain code, MONKEY is written as XDJMNL. How is TIGER written in that code?
   (a) QDFHS   (b) SDFHS   (c) SHFDQ
   (d) UJHFS   (e) None of these

3. In a certain code, COMPUTER is written as RFUVQNPC. How is MEDICINE written in the same code?
   (a) EOJDJEFM   (b) EOJDEJFM
   (c) MFEJDJOE   (d) MFEDJJOE
   (e) None of these

1. If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUTTA be coded?
   (a) 5279431   (b) 547978   (c) 825189662   (d) 8643691

2. If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH?
   (a) 246173   (b) 214673   (c) 214763   (d) 216473

Directions (Question 30 to 35): If in a certain language, ENTRY is coded as 12345 and STEADY is coded 951786, then state which is the correct code for each of the given words.

3. TENANT
   (a) 956169   (b) 196247   (c) 362123   (d) 312723

4. NEATNESS
   (a) 25119577   (b) 21732199
   (c) 21362199   (d) 21823698

5. SEDATE
   (a) 918731   (b) 954185   (c) 814195   (d) 614781

6. ARREST
   (a) 744589   (b) 744193   (c) 166479   (d) 745194

7. ENDEAR
   (a) 524519   (b) 174189   (c) 128174   (d) 124179

8. If ENGLAND is written as 123456 and FRANCE is written as 785291, how is GREECE coded?
   (a) 381171   (b) 381191   (c) 832252   (d) 835545

DIRECTION SENSES

1. Anamika's school bus is facing North when it reaches the school. After starting from Anamika's house, it turns right twice and then turns left and finally reaches the school. What direction was the bus facing when it left from Anamika's home?

2. Jitender wants to go to market. He starts from his house, which is in east and comes to a crossing. The road to his left ends in a theatre and straight ahead is hospital. In which direction is the market?

3. If south-east becomes north, north-east becomes west and so on, what will west become?

4. Two buses start from the opposite points of a main road, 150 kms apart. The first bus runs for 25 kms and takes a right turn and then runs for 15 kms. It then turns left and runs for another 25 kms and takes the direction back to reach the main road. In the meantime, due to a minor breakdown, the other bus has run only 35 kms along the main road. What would be the distance between the two buses at this point?
    (a) 65 kms   (b) 75 kms   (c) 80 kms   (d) 85 kms
    (e) None of these

5. A and B start moving towards each other from two places 200 m apart. After walking 60 m, B turns left and goes 20 m, then he turns right and goes 40 m. He then turns right again and comes

back to the road on which he had started walking. If A and B walk with the same speed, what is the distance between them now?

(a) 20 m   (b) 30 m   (c) 40 m   (d) 50 m

6. The town of Puri is located on Grey Lake. The town of Allahabad is West of Puri. Tokyo is East of Allahabad but West of Puri. Kerala is East of Bangalore but West of Tokyo and Allahabad. If they are all in the same district, which town is the farthest West?

(a) Puri   (b) Kerala   (c) Allahabad   (d) Bangalore

BLOOD RELATIONS / FAMILY RELATIONSHIP

1. Rahul's mother is the only daughter of Monika's father. How is Monika's husband related to Rahul?
   (a) Uncle (b) Father (c) Grandfather (d) Brother
   (e) Data inadequate

2. If (i) M is brother of N; (ii) B is brother of N; and (iii) M is brother of D, then which of the following statements is definitely true?
   (a) N is brother of B (b) N is brother of D
   (c) M is brother of B (d) D is brother of M
   (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

4. P + Q means P is the brother of Q; P – Q means P is the mother of Q and P*Q means P is the sister of Q. Which of the following means M is the maternal uncle of R?
   (a) M + K + R (b) M – R + K
   (c) M + K – R (d) M + K * R
   (e) None of these

5. If A+B means A is the brother of B; A÷B means A is the father of B and A*B means A is the sister of B, which of the following means M is the uncle of P?
   (a) N*P+M (b) M + S ÷ R ÷ P
   (c) M ÷ N * P (d) M + K ÷ T * P
   (e) None of these

CLOCK AND CALENDAR

1. The priest told the devotee, "The temple bell rings at regular intervals of 45 min. The last bell was rung 5 min ago. The next bell is due to ring at 7:45 AM". At what time did the priest give this information to the devotee?
    (a) 7:40 AM   (b) 7:05 AM
    (c) 7:00 AM   (d) 6:55 AM

2. If the first day of the year (other than the leap year) was a Friday, then which was the last day of that year?
    (a) Monday   (b) Friday
    (c) Saturday   (d) Sunday

3. Today is Thursday. The day after 59 days will be
    (a) Sunday   (b) Monday   (c) Tuesday   (d) Wednesday

4. What was the day the 2nd July, 1984?
    (a) Wednesday   (b) Tuesday   (c) Monday   (d) Thursday

AGE RELATIONS

1. A father is twice as old as his son. 20 yr ago, the age of the father was 12 times the age of the son. The present age of the son is
    (a) 20 yr   (b) 21 yr
    (c) 22 yr   (d) 23 yr

2. The age of father is thrice of his son. If the sum of their ages is 48 yr. What is the age of father?
    (a) 30 yr   (b) 32 yr
    (c) 36 yr   (d) 40 yr

3. A father is 5 times older than his son. 18 yr later, he will be only thrice as old as his son. Son's present age in years is
    (a) 25   (b) 18
    (c) 28   (d) 16