Coding and Decoding-Exercise Questions updated on Dec 2024

1. In a certain code language if the word 'MUSEUM' is coded as 'LSPAPG', then how will the word 'PALACE' be coded in that language?

  a. OYIWXY

  b. OYIXYW

  c. IYXYWO

  d. YXWYOI

2. If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded?

  a. 5279431

  b. 5978213

  c. 8251896

  d. 8543691

3. In a certain code language, if the number 1 is assigned to all the letters in odd numbered places in the alphabet and the remaining letters are assigned the number 2, then what is the code for the word 'DANCE'?

  a. 21211

  b. 12121

  c. 22111

  d. 21121

4. In a certain code language, if the value of CONTRACT = 56 and 'GROWTH' = 30, then what is the value of DISTRIBUTION?

  a. 130

  b. 132

  c. 140

  d. 142

5. In a certain code language, if the value of 'BLOCK' = 13 and 'CURTAIN' = 27, then what is the value of the word 'SCIENCE'?

  a. 32

  b. 36

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c. 38

d. 34

6. In a certain code language, if the word 'DISTANCE' is coded as EDCINSAT, then how will you code 'ACQUIRE' in that language?

   a. EACIQUR

   b. EACRIUQ

   c. ERCIAQU

   d. EARCIQU

7. In a certain code language, if the value of 28 + 14 = 50 and 36 + 43 = 63, then what is the value of 44 + 52 =?

   a. 54

   b. 56

   c. 58

   d. 62

8. In a certain code language, if the value of 14 x 15 = 25 and 26 x 42 = 64, then what is the value of 73 x 31 = ?

   a. 100

   b. 110

   c. 90

   d. 120

9. In a certain code language, '*kew xas huma deko*' means '*she is eating apples*'; '*kew tepo qua*' means '*she sells toys*' and '*sul lim deko*' means '*I like apples*'. Which word in that language means '*she*' and '*apples*'?

   a. xas & deko

   b. xas & kew

   c. kew & deko

   d. kew & xas

10. These questions are based on a certain code language. Understand the logic in the coding and answer the following questions.

PROCESSOR is coded as D4F3C5C1E1S1S1E3C6

a. QUADRANT

- Q1C7A1B2F6A1B7E4

- Q1D6A1B2F3A1B7E4

- Q1C7A1B2F3A1B7E4

- Q1C7A1D2C6A1B7E5

b. WINDOW

- W1E4B7B2E3W1

- W1C3B7B2E3W1

- W1C3B7B2C3W1

- W1C3G7B2E3W1

Answer & Explanations

1. Exp: Word: M   U   S   E   U   M

      Logic: -1   -2   -3   -4   -5   -6

      Code: L   S   P   A   P   G

  Similarly, the code for PALACE is

     Word: P   A   L   A   C   E

     Logic: -1   -2   -3   -4   -5   -6

     Code: O   Y   I   W   X   Y

2. Exp: The alphabets are coded as follows:

   D   E   L   H   I   C   A   U   T

   7   3   5   4   1   8   2   9   6

 So, in CALICUT, C is coded as 8, A as 2, L as 5, U as 9 and T as 6. Thus, the code for CALICUT is 8251896.

3. Exp: The code for the word DANCE is 21211.

4. Exp: Number of letters in the word CONTRACT = 8 and 8 x 7 = 56.

    Number of letters in the word GROWTH = 6 and 6 x 5 = 30.

    Similarly, DISTRIBUTION => 12 and 12 x 11 = 132.

5. Exp: In this product of the digits in the place-values of the letters as per the alphabet is obtained first and then added i.e, BLOCK

  => B = 2

    L = 12 => 1 x 2 = 2

    O = 15 => 1 x 5 = 5

    C = 3

    K = 11 => 1 x 1 = 1

    Now (2 + 2 + 5 + 3 + 1) = 13.

    So, BLOCK = 13.

    Similarly, SCIENCE = 38.

6. Exp: In this coding, the letters from either end of the word are written, first a letter from the right end and then a letter from the left end of the word and so on. Hence DISTANCE is coded as EDCINSAT.

Similarly, ACQUIRE is coded as EARCIQU.

7. Exp: It is given that $28 + 14 = 50 \Rightarrow (2 + 8) \times (1 + 4)$

$\Rightarrow 10 \times 5 = 50$ and $36 + 43 = 63 \Rightarrow (3 + 6) \times (4 + 3)$

$\Rightarrow 9 \times 7 = 63$ then $44 + 52 \Rightarrow (4 + 4) \times (5 + 2) \Rightarrow 8 \times 7 = 56$.

8. Exp: $14 \times 15 = 14 + 15 = 29$ and $29 - 4 = 25$.

$26 \times 42 = 26 + 42 = 68$ and $68 - 4 = 64$.

Similarly, $73 \times 31 = (73 + 31) - 4 = 104 - 4 = 100$.

9. Exp: In the first and second statements, the common code word is '*kew*' and the common word is '*she*'. So, '*kew*'stands for '*she*'.

In the first and third statements, the common code word is '*deko*' and the common word is '*apples*'. So, '*deko*'stands for '*apples*'.

10. a. Exp: PROCESSOR =>

P = 16 and D4 => 4 x 4 = 16 = P

R = 18 and F3 => 6 x 3 = 18 = R

O = 15 and C5 => 3 x 5 = 15 = O and so on.

Hence, PROFESSOR is coded as D4F3C5C1E1S1S1E3C6.

QUADRANT is coded as Q1C7A1B2F3A1B7E4.

b. Exp: WINDOW is coded as W1C3B7B2E3W1.