



Coding Decoding

This type of reasoning problems tests your ability to decipher the rule that codes a word or message and to code the given word or message following the same rule.

1) If in a certain language, NOIDA is coded as OPJEB, how is DELHI coded in that language?

- A) CDKGH
- B) EFMIJ
- C) FGNJK
- D) IHLED

Answer: B

Explanation:

Each letter in the word NOIDA is moved one step forward to form the code OPJEB. So, in DELHI, D will be coded as E, E as F, L as M, H as I, I as J. Thus, the code becomes EFMIJ.

2) In a certain code, TREE is written as UQFD. How is LEAF written in that code?

- A) MFBG
- B) KDZE
- C) MDBE
- D) MBZE

Answer: C

Explanation:

The letters in the word TREE are moved alternately one step forward and one step backward to form the code UQFD. So, following the same rule, L will be coded as M, E will be coded as D, A will be coded as B, and F will be coded as E. Thus, the code for LEAF is MDBE.

3) In a certain code, PAPER is written as QPARE. How is TABLE written in that code?

- A) UBALE
- B) UBCMF
- C) UZAKD
- D) UBAEL

Answer: D

Explanation:



The first letter of the word PAPER is moved one step forward and the next two letters have exchanged their positions and so on. So, following the same coding, T will be coded as U, A will be coded as B, B will be coded as A, L will be coded as E and E will be coded as L. Thus, TABLE is written as UBAEL in that code.

4). If in a certain language, 'oka peru', means 'fine cloth', 'meta lisa' means 'clear water' and 'dona lisa peru' means 'fine clear weather', which word in that language means 'weather'?

- A) peru
- B) oka
- C) meta
- D) dona
- E) None of these

Answer: D

Statement 1: fine cloth

Code Statement 1: oka peru

Statement 2: clear water

Code Statement 2: meta lisa

Statement 3: fine clear weather

Code Statement 3: dona lisa peru

In the 1st and 3rd statements, the common code-word is 'peru' and the common word is 'fine'. So, 'peru' means 'fine'.

In the 2nd and 3rd statements, the common code-word is 'lisa' and the common word is 'clear'. So, 'lisa' means 'clear'.

Thus, in the 3rd statement, 'lisa' means 'clear' and 'peru' means 'fine'. So, 'dona' means 'weather'.

Hence, the answer is option D.

Short-cut Method:

As we have to find the code-word for the word 'weather' which is coming only in the 3rd statement, we can find it by removing the code-words for other two words that are coming with 'weather' in the Statement 3 and are being repeated once in the given statements.

Note: It's of no use which particular code-word the other two words except 'weather' stand for.

Now, in the code statements, we can see that 'lisa' and 'peru' are being repeated twice, we, therefore, remove them. The code-word that is left is 'dona' which evidently stands for 'weather'.

Hence, the answer is option D.

5). In a certain code language, 'mink yang pe' means 'fruits are ripe', 'pe lao may mink' means 'oranges are not ripe' and 'may pe nue mink' means 'mangoes are not ripe'. Which word in that language means 'manoges'?

- A) may
- B) pe
- C) nue
- D) mink



E) None of these

Answer: C

Statement 1: fruits are ripe

Statement 2: oranges are not ripe

Statement 3: mangoes are not ripe

Code Statement 1: mink yang pe

Code Statement 2: pe lao may mink

Code Statement 3: may pe nue mink

The words except 'mangoes' in the 3rd statement are being repeated in the 2nd statement. By removing the code-words which are getting repeated; 'may', 'pe' and 'mink', we are left with the code-word 'nue' which stands for the word 'mangoes'

Hence, the answer is option C.

6). In a certain code language, 'sun shines brightly' is written as 'ba lo sul', 'houses are brightly lit' as 'kado ula ari ba' and 'light comes from sun' as 'dopi kup lo nro'. What code-words are written for 'sun' and 'brightly' respectively?

A) ba, sul

B) sul, lo

C) lo, ba

D) ba, lo

Answer: C

Statement 1: sun shines brightly

Statement 2: houses are brightly lit

Statement 3: light comes from sun

Code Statement 1: ba lo sul

Code Statement 2: kado ula ari ba

Code Statement 3: dopi kup lo nro

In the 1st and 3rd statements, the common word is 'sun' and the common code-word is 'lo'. So, 'lo' is the code for 'sun'.

In the 1st and 2nd statements, the common word is 'brightly' and the common code-word is 'ba'. So, 'ba' is the code for 'brightly'.

Hence, the answer is option C.

7). In a certain code language, 'si po re' means 'book is thick', 'ti na re' means 'bag is heavy', 'ka si' means 'interesting book' and 'de ti' means 'that bag'. What should stand for 'that is interesting' in that code language?

A) ka de re

B) ti po ka

C) ka re na

D) de si re

E) None of these

Answer: A



Statement 1: book is thick

Statement 2: bag is heavy

Statement 3: interesting book

Statement 4: that bag

Code Statement 1: si po re

Code Statement 2: ti na re

Code Statement 3: ka si

Code Statement 4: de ti

In the 1st and 2nd statements, the common word is 'is' and the common code-word is 're'. So, the code-word for 'is' is 're'.

In the 1st and 3rd statements, the common word is 'book' and the common code-word is 'si'. Thus, the other code-word in the 3rd code statement; 'ka' means 'interesting'.

In the 2nd and 4th statements, the common word is 'bag' and the common code-word is 'ti'. So, 'ti' means 'bag'. Thus, the other code-word in the 4th code statement; 'de' means 'that'.

Thus, the codes for 'that', 'is' and 'interesting' are 'de', 're' and 'ka' respectively. So, any combination of these three codes will be the required code.

Hence the answer is option A.

8). In a certain code language, 'col tip mot' means 'singing is appreciable', 'mot baj min' means 'dancing is good' and 'tip nop baj' means 'singing and dancing', which of the following means 'good' in that code language?

- A) not
- B) min
- C) baj
- D) Can't be determined
- E) None of these

Correct Option: B

Statement 1: singing is appreciable

Statement 2: dancing is good

Statement 3: singing and dancing

Code Statement 1: col tip mot

Code Statement 2: mot baj min

Code Statement 3: tip nop baj

We have to find the code-word for the word 'good' which is coming only for once in 2nd statement. The other two words 'dancing' and 'is' are getting repeated once each in 3rd and 1st statements respectively.

By removing the repeated code-words; 'mot' and 'baj' from the 2nd statement, no matter which word each stands for, we are left with only the code-word 'min' that evidently stands for the word 'good'.

The answer, hence, is option B.