DAILY QUESTIONS

23rd MAY ‘18

REASONING-CODING DECODING

ANUJJINDAL.IN
Q.1) In a certain code, PROSE is written as PPOQE. How would LIGHT be written in that code?

[a] LIGFT  
[b] LGGHT  
[c] LGGFT  
[d] JIEHR  
[e] none of these

Solution (c)
Second and fourth letters of the word PROSE are moved two steps in backward direction in alphabetic order. Hence, LIGHT can be coded as LGGFT.
Q.2) In a defence message GET AWAY, FIRE BACKWARDS, MOVE SLOW is coded as BEN CDCI, QHOE PCTLDICOXU, ZMWE VFMD.

Based on this coding scheme, spot the code for the word OVER.

[a] MWOE  
[b] MWZO  
[c] MWEO  
[d] MWED  
[e] none of these

Solution (c)
Code for O is M, for V is W, for E is E for R is O. Hence the code for OVER is MWEO.
Q.3) In a certain code, the symbol for 0 (Zero) is @ and for 1 is $. There are no other symbols for all other numbers greater than one. The numbers greater than 1 are to be written only by using the two symbols given below. The value of the symbol for 1, doubles itself every time it sifts one place to the left. Study the following examples:

'0' is written as @
'1' is written as $
'2' is written as $@
'3' is written as $$
'4' is written as $@@ and so on

According to these information answer the question-

Which of the following will represent as 11?

[a] $@$$
[b] @$$@
[c] $$@@
[d] $@$$@ 
[e] none of these
Q.4) Hariram was asked to put in a basket one mango when ordered 'one', one orange when ordered 'two', one apple when ordered 'three' and is asked to take out from the basket one mango and an orange when ordered 'four'. A sequence orders is given as:

1 2 3 3 2 1 4 2 3 1 4 2 2 3 3 1 4 1 1 3 2 3 4

How many total oranges were in the basket at the end of the above sequences?

[a] 1
[b] 4
[c] 3

Solution (d)
Count only the occurrence of 2 and 4 since only number of oranges at the end of sequence is to be calculated. 2 is occurring 6 times and 4 is occurring 4 times.
So, +6 –4 = 2 times
So, There will be 2 oranges left.
Q.27) In a certain code language GERMINATION is written as IMGRENNOAIT. How is ESTABLISHED written in that code?

[a] BATESLDEIHS  
[b] BAETSLDEIHS  
[c] BAETSLEDIHS  
[d] BEATSLDEIHS  
[e] none of these

Solution (b)

The middle letter of the given word remains at its position while other letters of both sides of it are rearranged in a certain way.

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The letter in each half have been rearranged in the order 5 4 1 3 2

Therefore, our required answer is option 2.