



Bipin Nambiar
(SBI PO 2018)



Shiraz Khan
(SBI Clerk 2018)



Kuldeep Yadav
(SBI PO 2018)



Rajat Saxena
(IBPS Clerk 2018)



Anupam Tyagi
(IBPS PO 2018)

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Coding Decoding for SBI Clerk Mains, IBPS Clerk Mains, SBI PO Pre and IBPS PO Pre Exams.

Coding Decoding Quiz 59

Directions: Read the following information carefully and answer the questions given beside.

In a certain code language, all the consonants of English alphabet series are coded from 1 to 6 such that B is coded as 1, C as 2 and so on till H is coded as 6, thereafter the codes get repeated i.e. J is coded as 1, K as 2 and so on. The codes for vowels start with the code of Y. If Y is coded as 1, then A's code will be 1, E will be coded as 2, I as 3 and so on.

After ascertaining the codes, following conditions are to be followed to determine the final codes.

- i. If code for two adjacent letters is same number then change the code of the letter that comes first as per alphabetical order will be changed to '#'. For example ; If code for MEAN is 4435 then according to this rule new code will be 4#35.
- ii. If the code of two adjacent letters is such that the code of preceding letter is one less than that of succeeding letter then change the code of succeeding letter as '*'. For example if 6349 is a code then according to this rule new code will be 63*9.

Questions :

1. If "_____ WAVE" is coded as 35*53 6253 then which of the following words will fill the blank?

- A. SOUND B. WIDTH C. SPLIT D. DROWN E. Both A and C

2. Find the incorrectly coded word from the following?

- I. AHEAD - 2632*
II. SWING - 364*#
III. BIRD - 142*
IV. CRAWL - 2##63

- A. Only I B. Only I and II C. Only III D. Only IV E. All are coded correctly

3. If "LAST MAN ____" is coded as 32** 425 3#246 then find the word that will fill the blank?

- A. DEATH B. EARTH C. ALIVE D. FRESH E. None of these

4. Find the code for "BLOW OWN TRUMPET"?

A. 135# 5*5 426463* B. 135* 5*5 426463* C. 135* 5*5 426463# D. 135* 5#5 426463* E. None of these

5. Code #2*243 stands for which of the following words?

A. TRIBAL B. CREATE C. FISCAL D. ALBUMS E. None of these

Correct Answers:

1	2	3	4	5
B	A	C	B	D



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Common explanations :



Reference:

In a certain code language, all the consonants of English alphabet series are coded from 1 to 6 such that B is coded as 1, C as 2 and so on till H is coded as 6, thereafter the codes get repeated i.e. J is coded as 1, K as 2 and so on. The codes for vowels start with the code of Y. If Y is coded as 1, then A's code will be 1, E will be coded as 2, I as 3 and so on.

Inference:

As per the given information following tables determine the code for vowels and consonants.

Code for consonants:

1	2	3	4	5	6
B	C	D	F	G	H
J	K	L	M	N	P
Q	R	S	T	V	W
X	Y	Z			

Code for vowels:

2	3	4	5	6
A	E	I	O	U

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Answers :

1. From the common explanation SOUND will be coded as 35653.

ii. If the code of two adjacent letters is such that the code of preceding letter is one less than that of succeeding letter then change the code of succeeding letter as '*'. For example if 6349 is a code then according to this rule new code will be 63*9.

Here condition ii is applicable, thus new code will be 35*53, which matches the given code, thus "SOUND" will come in the place of blank.

Hence option A is correct.

2. From the common explanation, we have

Only IV i.e. CRAWL is coded incorrectly, the correct code should be #2#63.

Hence option D is correct.

3. Let us check each of the options one by one.

Option A: DEATH, here normal code for DEATH will be 33246, thus condition I is applicable, so the final code will be #3246, which is not same as the given code.

Option B : EARTH, here normal code for EARTH will be 32246, here also condition I is applicable, so the final code will be 3#246, which is same as the code given.

Hence option B is correct.

4. Normal code for BLOW OWN TRUMPET is 1356 565 4264634.

Here condition ii is applicable.

ii. If the code of two adjacent letters is such that the code of preceding letter is one less than that of succeeding letter then change the code of succeeding letter as '*'. For example if 6349 is a code then according to this rule new code will be 63*9.

Thus the final code is 135* 5*5 426463*

Hence option B is correct.

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5. The given code starts with #, which clearly indicates that the first digit should also be 2.



This make options A (TRIBAL) and C (FISCAL) invalid, because they start with 4.

Option D is also invalid because here code for 'L' is 3 whereas in the given code, code for second digit is also 2.

Code for CREATE after following condition i and ii is #2*243.

Hence option B is correct.



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