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Coding Decoding Questions for CGL Tier 1, CLAT, IBPS PO Pre, IBPS Clerk, LIC AAO, RBI Assistant and SBI Clerk Exams

Coding Decoding Quiz 49

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

The values in Box 1 are coded as the values at their respective position in Box 2 on the basis of following conditions.

Box 1				Box 2		
SUN16	UAI24	DRC31		OVI16	FZR46	DCR34
POT26	BIR11	BBC6	→	OPO26	CHS21	CBC1
RIM19	EAU62	BEE38		SHN29	UYE62	AFF38

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Conditions:

If a grid:

1. Does not contain vowels:

i. If the number attached is an even number then interchange the position of first and third letters and subtract 5 from the number.

ii. If the number attached is an odd number then interchange the position of second and third letters and add 3 to the number.

2. Does not contain consonants:

i. If the number attached is a multiple of 4 then change the letters to their reverse letters as per alphabet series and add 2 to both the digits of the number.

ii. If the number attached is not a multiple of 4 then change the letters to the reverse letter of their immediately succeeding letter as per alphabet series.

3. Contains both vowels and consonants:

i. If the number attached is composite then change the vowel to its immediate next consonant and consonant to its just previous vowel.

ii. If the number attached is prime then change the vowels to their immediately preceding letters and consonants to their immediately succeeding letters and add 10 to the number.

As per the given illustration and conditions find the values of Box 2 for the following.

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Box 1

DRY21	SON13	MAC44
AEO36	ZAP62	OIO37
LIP43	GRV50	KMW76

→

Box 2

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1. What are the codes for ZAP62 and DRY21 respectively?

A. UBO62 and RYD24 B. UBO62 and DYR24 C. UCP62 and DRY24

D. UBO62 and DRY21 E. None of these

2. How LIP43 is written in Box2?

A. LIQ53 B. MHQ43 C. MHQ53

D. IBA53 E. None of these

3. If TOY35 was one of the values of Box 1, then how would it be coded in Box 2?

A. OPU35 B. OPU45 C. UNZ45

D. TOY45 E. Can't be determined

4. Value "ZVL58" in Box 2 represents which of the following values of Box 1?

A. OIO37 B. LIP43 C. ZAP62

D. AEO36 E. MAC44

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5. SON13 is related to TNO23 in a way, GRV50 is related to VRG45 in the same way then who is related to DYR24 in the same way?

A. DRY24 B. DRY21 C. DYR21

D. CQX21 E. None of these

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Correct answer:

1	2	3	4	5
B	C	A	D	B

Common Explanation:

Reference:

Conditions:

If a grid:-

1. Does not contain vowels:

i. If the number attached is an even number then interchange the position of first and third letters and subtract 5 from the number.

ii. If the number attached is an odd number then interchange the position of second and third letters and add 3 to the number.

2. Does not contain consonants:

i. If the number attached is a multiple of 4 then change the letters to their reverse letters as per alphabet series and add 2 to both the digits of the number.

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3. Contains both vowels and consonants:

i. If the number attached is composite then change the vowel to its immediate next consonant and consonant to its just previous vowel.

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ii. If the number attached is prime then change the vowels to their immediately preceeding letters and consonants to their immediately succeeding letters and add 10 to the number.

As per the given illustration and conditions find the values of Box 2 for the following.

Box 1				Box 2		
DRY21	SON13	MAC44	→	DYR24	TNO23	IBA44
AEO36	ZAP62	OIO37		ZVL58	UBO62	PQP37
LIP43	GRV50	KMW76		MHQ53	VRG45	WMK71

Inference:

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Logic for numbering of grid used here, The top left grid is termed as first and the numbering progresses from left to right. Thus the first left grid of second row is termed as fourth and so on.

Following table shows the consitions that are applicable to the various grids as per which the values of Box 2 are obtained.

Conditions applicable	Grid no.
1(ii)	1
3(ii)	2
3(i)	3
2(i)	4
3(i)	5

2(ii)	6
3(ii)	7
1(i)	8
1(i)	9

Final Coding:

Box 1				Box 2		
DRY21	SON13	MAC44		DYR24	TNO23	IBA44
AEO36	ZAP62	OIO37	→	ZVL58	UBO62	PQP37
LIP43	GRV50	KMW76		MHQ53	VRG45	WMK71

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Explanation:

1. The codes for ZAP62 and DRY21 are UBO62 and DYR24 respectively.

   Hence option B is correct.

2. LIP43 is written as MHQ53 in Box 2.

   Hence option C is correct.

3. If TOY 35 was one of the values on Box 1 then it would be coded as "OPU35".

   Hence option A is correct.

4. ZVL58 in Box 2 represents AEO36 of the Box1.

   Hence option D is correct.

5. SON13 is related to TNO23 in a way, GRV50 is related to VRG45 in the same way then DRY21 is related to DYR24 in the same way.

Hence option B is correct.

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