

Coding Decoding Questions


Latest Coding Decoding MCQ Objective Questions


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Question 1:

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If in a certain code language, BLUE is written as HXOE, how will be CLUE written in the same language?

1. HXOF
2. HIOS
3. HIUY
4. HIGJ
5. Not Attempted

Answer (Detailed Solution Below)

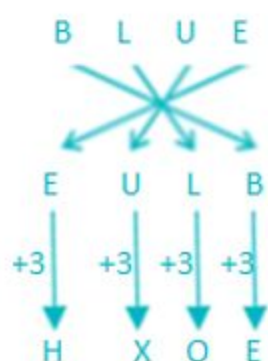
Option 1 : HXOF



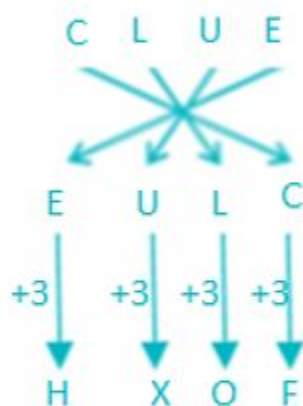
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Coding Decoding Question 1 Detailed Solution

The pattern is as follows:



Similarly,



Hence, the correct code is **HXOF**.

**Question 2:**[View this Question Online >](#)

In a certain code language, 'life and love' is written as 'ri ti gi', 'life is tangible' is written as 'mi pi ri', and 'love is pure' is written as 'mi gi oi'. How will 'love' be written in that language?

1. gi

2. mi

3. ti

4. oi

5. Not Attempted

Answer (Detailed Solution Below)

Option 1 : gi

Coding Decoding Question 2 Detailed Solution

From the given information:

Life and love → ri ti gi

Love is pure → mi gi oi

We can see that in both sentences 'love' is common and in both the codes 'gi' is common.
Therefore, **love --- gi**

Hence **the correct answer is option 1)**



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Question 3:

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In a certain code language, CAT is written as 5322 and MAD is written as 1536, How will you write RED in the same code language ?

1. 2076

2. 2074

3. 1876

4. 2056

5. Not attempted

Answer (Detailed Solution Below)

Option 1 : 2076

Coding Decoding Question 3 Detailed Solution

The pattern followed here is:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

$$C(3) + 2 = 5,$$

$$A(1) + 2 = 3$$

$$T(20) + 2 = 22$$

Therefore the code for CAT = 5322.

Now,

$$M(13) + 2 = 15$$

$$A(1) + 2 = 3$$

$$D(4) + 2 = 6$$

Code for MAD = 1536

Similarly,

$$R(18) + 2 = 20$$

$$E(5) + 2 = 7$$

$$D(4) + 2 = 6$$

Code for RED is = 2076.

Hence, '2076' is the correct answer.

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Question 4:

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In a code language if 'HINDI' is coded as 'IKQHN', how will you code MATHS?

1. NCWLX

2. NWCLX

3. NXCLX

4. XLWCN

Answer (Detailed Solution Below)

Option 1 : NCWLX

Coding Decoding Question 4 Detailed Solution

The alphabets and their positions are:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic here is:

For the HINDI is coded as IKQHN

H	I	N	D	I
+1	+2	+3	+4	+5
↓	↓	↓	↓	↓
I	K	Q	H	N

Similarly, the code for MATHS is:

M	A	T	H	S
+1	+2	+3	+4	+5
↓	↓	↓	↓	↓
N	C	W	L	X

Thus, the code for the given word is '**NCWLX**'.Hence, the correct answer is '**option 1**'.

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Question 5:

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In a certain code language, GOA is written as 7151 and DOG is written as 4157. How will MAN be written in that language?

1. 13114

2. 31114

3. 12113

4. 11113

5. Not Attempted

Answer (Detailed Solution Below)

Option 1 : 13114

Coding Decoding Question 5 Detailed Solution

The position of the letters according to the English alphabet series:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is shown below:

The letter GOA is written as 7151, i.e

$G \Rightarrow 7$; $O \Rightarrow 15$; $A \Rightarrow 1$

In the same way, DOG is written as 4157, i.e

$D \Rightarrow 4$; $O \Rightarrow 15$; $G \Rightarrow 7$

Similarly, MAN will be written as **13114**, i.e

$M \Rightarrow 13$; $A \Rightarrow 1$; $N \Rightarrow 14$.

Hence, the correct answer is 'option1)'.

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Question 6

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If PIPE is written as 169165, then what is the last digit of SWAN?

1. 5

2. 6

3. 4

4. 3

Answer (Detailed Solution Below)

Option 3 : 4

Coding Decoding Question 6 Detailed Solution

We know that,

A (1)	B (2)	C (3)	D (4)	E (5)	F (6)	G (7)	H (8)	I (9)	J (10)	K (11)	L (12)	M (13)
Z (26)	Y (25)	X (24)	W (23)	V (22)	U (21)	T (20)	S (19)	R (18)	Q (17)	P (16)	O (15)	N (14)

The pattern followed here is as follows,

P I P E

16 9 16 5

Similarly,

S W A N
19 23 1 14

Thus SWAN is written as 1923114.

Hence, "4" is the last digit of SWAN.



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Question 7

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In a certain code language, 'CROWD' is coded as 23415924 and 'TRHICK' is coded as 162491997. How will 'FRUGAL' be coded in that language?

1. 1221021186

2. 1226761821

3. 1521012291

4. 1512021921

Answer (Detailed Solution Below)

Option 4 : 1512021921

Coding Decoding Question 7 Detailed Solution

The table is alphabets place value:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

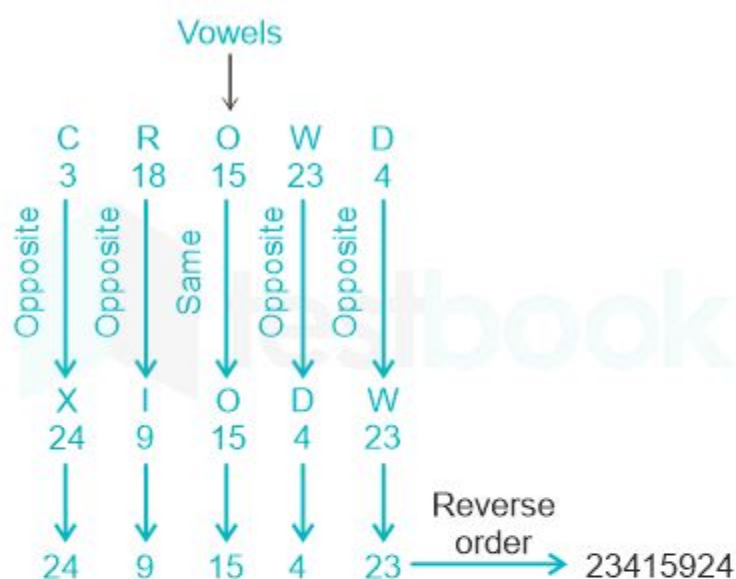
The pattern followed here is:

Step 1: Vowels place values coded as numbers.

Step 2: Consonants opposite alphabet place value code as numbers.

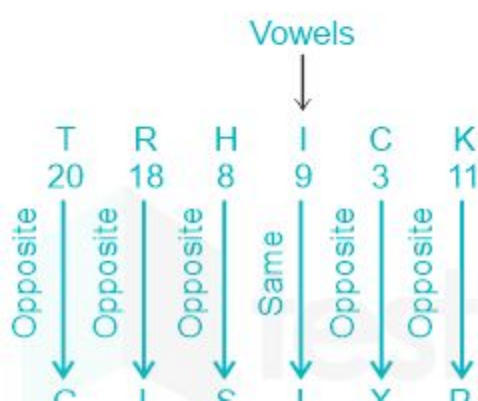
Step 3: Then this coded number is arranged in reverse order.

'CROWD' is coded as 23415924



And,

'TRHICK' is coded as 162491997



G	I	S	I	X	P
7	9	19	9	24	16
↓	↓	↓	↓	↓	↓
7	9	19	9	24	16

Reverse order → 162491997

Similarly,

'FRUGAL' be coded

		Vowels			
		↓	↓		
F	R	U	G	A	L
6	18	21	7	1	12
↓	↓	↓	↓	↓	↓
U	I	U	T	A	O
21	9	21	20	1	15
↓	↓	↓	↓	↓	↓
21	9	21	20	1	15

Reverse order → 1512021921

Hence, 'FRUGAL' is coded as **"1512021921"**.

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Question 8

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In a certain code, TOUCH is written as 68. How will ERROR be written in that code?

1. 61

2. 54

3. 59

4. 55

Answer (Detailed Solution Below)

Option 1 : 61

Coding Decoding Question 8 Detailed Solution

Note: This is SSC GD Previous year question paper and given answer as per the official answer key.

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The letters are **replaced by the place value of their reverse letter and then the numbers are added together** to obtain the code.

Opposite letter

T	O	U	C	H
↕	↕	↕	↕	↕
G	L	F	X	S
↕	↕	↕	↕	↕
7	12	6	24	19

$$7 + 12 + 6 + 24 + 19 = 68$$

Opposite letter

Similarly,

Opposite

E	R	R	O	R
↕	↕	↕	↕	↕
V	I	I	L	I
↕	↕	↕	↕	↕
22	9	9	12	9

$$22 + 9 + 9 + 12 + 9 = 61$$

Opposite

Hence, '61' is the correct answer.

! Mistake Points

TOUCH = $20 + 15 + 21 + 3 + 8 = 67$ and $67 + 1 = 68$

ERROR = $5 + 18 + 18 + 15 + 18 = 74$ and $74 + 1 = 75$

75 is not in the options so the logic is different here.

The logic here is not sum of positional value + 1, but the logic here is sum of opposite positional value of letters.

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Question 9

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In a certain code language, 6219 means 'Sachin is a cricketer' and 2646 means 'He played from Mumbai'. Which of the following is the code for 'Mumbai is very famous'?

1. 7945

2. 2458

3. 6246

4. 6285

Answer (Detailed Solution Below)

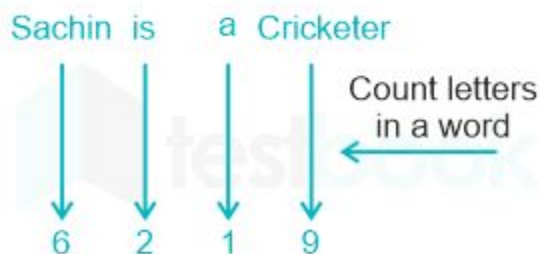
Option 3 : 6246

Coding Decoding Question 9 Detailed Solution

The pattern followed here is:

The word is coded as the total letter number of letters present in the word.

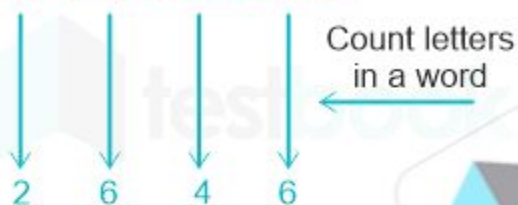
6219 means 'Sachin is a cricketer'



And,

2646 means 'He played from Mumbai'

He played from Mumbai



Similarly,

'Mumbai is very famous' means ?

Mumbai is very famous



Hence, the correct answer is "6246".

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Question 10

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In a certain code language, BEYOND is written as BDFNPY. How will PROMISE be written in that language?

1. FJMPPRS

2. FJNPQSR

3. EIMOPRS

4. ESIMORP

Answer (Detailed Solution Below)

Option 1 : FJMPPRS

Coding Decoding Question 10 Detailed Solution

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The logic followed here is

Logic:


Step 1:- Vowels are increased by +1.


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Question 11

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If "METER" is coded as "1" then how will "ROGER" be coded as

2. 11

3. 9

4. 8

Answer (Detailed Solution Below)


Option 3 : 9


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Question 12

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In a certain code language, 'LEMON' is written as 'ELMNO'. How will 'CLUSTER' be written in that language?

1. CELRSTU
2. CLESRUT
3. LUCETRS
4. LCUTESR

Answer (Detailed Solution Below)


Option 1 : CELRSTU


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Question 13

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In a certain code language, PACIFY is written as KUXCUS and MERIT is written as NYICG. How will INSULT be written in that language?

1. ROOHHN

2. RHOHON

3. ROHOHN

4. RHHOON

Answer ([Detailed Solution Below](#))

Option 4 : RHHOON

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**Question 14**[View this Question Online >](#)

If COMB is coded as 29 and LEMON is coded as 54, then how will SHIFT be coded?

1. 58
2. 56
3. 57
4. 55

Answer (Detailed Solution Below)


Option 3 : 57


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Question 15

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In a certain code language 'KEYBOARD' is written as 'FMGADQCT'. How will be 'TOUCHPAD' written in that code language?

1. FUQEBSJR
2. FVQWEJSB
3. FVQWEJRC
4. FVQWEJSC

Answer (Detailed Solution Below)

Option 3 : FVQWEJRC

