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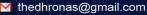
Date: 15th Jan 2024

Logical Reasoning - Coding Decoding

English

- Q:1 If in a certain code language, 'TORPID' is written as 'HMJLSX', 'GAUGE' is written as 'UAGUW'. Then, how is the word 'PENCIL' written in the same code language?
- 1. LWMYSP
- 2. LWNYSP
- 3. KVMXRO
- 4. PSYNWL
- **DIPLOMAT** Q:2 Ιf is coded as 3581015171113141612142621921, then what is code for the word TACTLESS?
- **1.** 192126224192111134618201820
- 2. 192126224192111134618201802
- **3.** 192126224192111134612801820
- **4.** 192126224291111134618201820
- Q:3 If in a certain code language, 'SHARE' is written as 'ERAHS', 'MOVIE' is written as 'EIVOM'. Then, how is the word 'CABLE' written in same code language?
- 1. LEBCA
- 2. ELBAC
- 3. EABLC
- 4. CLBAE
- Q:4 If in a certain code language, PICTURE is coded as 346, CAMERA is coded as 34, HIGH is coded as 14, then how will TRAINING be coded in that language?
- **1.** 62
- 2.64
- **3.** 624
- **4.** 324
- **5**. 432
- Q:5 If COLOURS is coded as 14 and BACKS is coded as 10, then what will be the code for MEDITATION?
- **1**. 61
- **2**. 22
- **3.** 20
- 4, 57
- Q:6 In a certain code language, 'REAR' is coded as SDZS and 'PICK' is coded as QHDL. How will 'GRIP' be coded in that language?
- 1. HSBQ
- **2.** HSJQ
- 3. HSHQ
- 4. HDGK

- Q:7 In a certain code language, 436 means 'They are playing' and 245 means 'We read books'. Which of the following is the code for 'Light is blue'?
- **1.** 435
- **2.** 524
- **3.** 534
- **4.** 546
- Q:8 In a certain code language, 'CLEAR' is coded as XODZI and 'TRICK' is coded as GIHXP. How will 'GIRLS' be coded in that language?
- 1. THIIH
- 2. THIOH
- 3. TRIOH
- 4. THIOR
- Q:9 In a certain code language, SCIENCE is written as 21-5-11-7-16-5-7. How will MUSEUM be written in that code language?
- 1. 13-21-6-21-21-13
- 2. 14-22-5-5-22-14
- 3. 15-23-21-7-23-15
- **4.** 13-23-7-21-23-13
- Q:10 In a certain code, COLLUDE is written as X2001W4. How will REGARDING be written in that code?
- 1. J401G32NR
- 2. J305G32ML
- 3. I301G32MT
- 4. I4T5IW3MT



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Answer Key

1 (2)	2 (1)	3 . (2)	4 . (1)	5 (3)	
1. (2)	Z. (1)	3. (∠)	 (1)	3. (3)	
6 (2)	7 (2)	8. (2)	9 (3)	10 (4)	
U. (3)	1.(∠)	6. (∠)	9. (3)	10. (4)	

Answers and Solutions

Q:1 The correct answer is option 2 i.e. LWNYSP.

Understanding	Application				
The pattern is as					
follows:					
Next letter of the					
opposite letter					
TORPID \rightarrow T \leftrightarrow G + 1	Similarly,				
= H, O ↔ L + 1 = M,	$PENCIL \to P \leftrightarrow K +$				
$R \leftrightarrow I + 1 = J, P \leftrightarrow K1 = L, E \leftrightarrow V + 1 = K$					
$+ 1 = L, I \leftrightarrow R + 1 = S,$	W, N \leftrightarrow M + 1 = N, C				
$D \leftrightarrow W + 1 = X \Rightarrow$	↔ X + 1 = Y, I ↔ R +				
HMJLSX	1 = S, L ↔ 0 + 1 = P				
$GAUGE \to G \leftrightarrow T + 1$	⇒ LWNYSP				
= U, A ↔ Z + 1 = A, U					
\leftrightarrow F + 1 = G, G \leftrightarrow T +					
$1 = U, E \leftrightarrow V + 1 = W,$					
⇒ UAGUW					

The 0:2 correct answer is option i.e. 192126224192111134618201820.

The logic used here is:

DIPLOMAT coded 3581015171113141612142621921

D is replaced by the previous and the next position value.

D = 3, 5

I = 8, 10

P = 15, 17

L = 11, 13

0 = 14, 16

M = 12, 14

A = 26.2

T = 19, 21

Similarly,

Code for the word TACTLESS:

T = 19 and 21

A = 26 and 2

C = 2 and 4

T = 19 and 21

L = 11 and 13

E = 4 and 6

S = 18 and 20

S = 18 and 20

Hence, Option 1 is the correct answer.

Q:3 The correct answer is Option B i.e. ELBAC

The pattern is as follows:

The position of 1st and 5th and 2nd and 4th are interchanged, and the position of the middle letter is kept the same.

SHARE → ERAHS

 $\mathsf{MOVIE} \to \mathsf{EIVOM}$

Similarly,

CABLE → **ELBAC**

Q:4 The correct answer is Option 1 i.e. 62

Understanding

Logic:

If the number of letters in the word is even, then code is formed by subtracting 2 from the square of this number.

If the number of letters in word is odd, then code is formed by adding 3 to the cube of this number.

PICTURE is coded as 346 - This word has 7

letters: 7³ + 3 = 346

CAMERA is coded as 34 - This word has 6

letters: 6² - 2 = 34

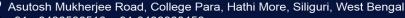
HIGH is coded as 14: This word has 4 letters

- 4² - 2 = 14

Similarly,

TRAINING has 8 letters: 8² - 2 = **62**

Q:5 The correct answer is Option 3 i.e. 20







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Logical Reasoning - Coding Decoding

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The logic used here is:

COLOURS is coded as 14

Number of letters \times 2 = Code

 $7 \times 2 = 14$

Similarly,

Code for the word MEDITATION:

 $10 \times 2 = 20$

Hence, 20 is the correct answer.

Q:6 The correct answer is Option 3 i.e. HSHQ

Code:

Vowel - 1

Consonant + 1

REAR:

R+1=S

E - 1 = D

A - 1 = Z

R + 1 = S

Similarly,

GRIP:

G + 1 = H

R+1=S

I - 1 = H

P + 1 = Q

Hence, the correct answer is HSHQ.

Q:7 The correct answer is Option 2 i.e. 524

Code for each word = Number of letters in the word

They = 4

are = 3

playing = 6

Similarly,

Light = 5

is = 2

Blue = 4

Hence, the correct answer is 524

Q:8 The correct answer is Option 2 i.e. THIOH

Code for word

consonant = opposite letter of consonant

vowel = vowel - 1

CLEAR:

 $C \Leftrightarrow X$

 $L \Leftrightarrow 0$

E - 1 = D

A - 1 = Z

 $\mathsf{R} \Leftrightarrow \mathsf{I}$

Similarly,

GIRLS:

 $G \Leftrightarrow T$

I-1=H

 $R \Leftrightarrow I$

 $L \Leftrightarrow 0$

 $S \Leftrightarrow H$

Hence, the correct answer is **THIOH**.

Q:9 The correct answer is Option 3 i.e.15-23-21-7-23-15

Understanding

From the above alphabet position, we see

that

S CIEN CE 19 3 9 5 14 3 5

Here, the pattern is followed that 2 is added to each alphabet position.

(19+2) (3+2) (9+2) (5+2) (14+2) (3+2) (5+2)

21-5-11-7-16-5-7

In <mark>th</mark>e same way, MUSEUM is written as **15-**

23-21-7-23-15

Hence, the correct answer is option 3.

Q:10 The correct answer is Option 4 i.e. I4T5IW3MT

Understanding

It is given that COLLUDE is written as X2001W4:

A E I O U = 5 4 3 2 1 (Vowel position)

The pattern that follows here is that the consonant represents the opposite alphabet and the vowel represents the number position which is given above.

So, REGARDING is coded as I4T5IW3MT.

Hence, the correct answer is I4T5IW3MT.





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