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Name of the Bundle	Intermediate Bundle V1	Subject	Aptitude
Topic	Coding and Decoding	Last updated on	10 October 2024

CONCEPT 1 – COMMON CODING

Directions (Q1 – Q3): Study the data given below and answer the following questions:

'Royal Monarch Regal' is written as @ # * ,

'Regal legacy Gold' is written as * % ? ,

'Hope Gold Life' is written as % & \$,

'Regal Monarch Morals' is written as # * ∇

1) What will be the code for Regal?

- a) %
- b) *
- c) \$
- d) #

ANS: b) *

Explanation:

From the given data, we can see that "Regal" appears in three sentences:

'Royal Monarch Regal' is written as @ # * ,

'Regal legacy Gold' is written as * % ? ,

'Regal Monarch Morals' is written as # * ∇

Comparing these sentences, we see that "Regal" is represented by '*' in all cases.

So, the code for "Regal" is '*'.



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2) What will be the code for "Gold Legacy"?

- a) # &
- b) % #
- c) ? %
- d) * ∇

ANS: c) ? %

Explanation:

From the given data, we can identify "Gold Legacy" in the phrase

'Regal legacy Gold', which is represented as * % ?.

We know the code for Regal as *.

So, the code for "Gold Legacy" is '? %'.

3) Which word is coded as #?

- a) Moral
- b) Life
- c) Rega
- d) Monarch

ANS: d) Monarch

Explanation:

In the given data, the word associated with the code '#' is found in the phrases

- 'Regal Monarch Morals', which is represented as # * ∇,
- 'Royal Monarch Regal', which is represented as @ # *
- We know the code for Regal as *. Other than Regal, Monarch is only a common thing.
- Therefore, 'Monarch' is represented as '#'.

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4) In the given coded language, which of the following words has been coded as &?

- a) Gold
- b) Hate
- c) Hope
- d) Like

ANS:c) Hope

Explanation:

From the given data, we see that the word associated with the code '&' appears in the phrase 'Hope Gold Life'.

However, it's also worth noting that 'Gold' is represented by a different symbol in the same phrase, which is '\$'.

Therefore, 'Hope' could be represented by the '&' symbol, as it is present in the phrase 'Hope Gold Life'.

5) What is the code for royal?

- a) %
- b) @
- c) ?
- d) *

ANS: b) @

Explanation:

In the given data, the word "Royal" appears only in the phrase 'Royal Monarch Regal', where Monarch is represented as # , Regal is represented as *.

So, the code for "Royal" is '@'.



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Directions (Q6 - Q8): Based on the information given below, answer the following questions:

'Balloons are blue' is coded as '834'

'Rainbow in sky' is coded as '723'

'Carpet is beautiful' is coded as '629'

'Box is heavy' is coded as '325' 5 6 3 76

6) What will be the code for 'girls'?

- a) 5
- b) 6
- c) 3
- d) 76

ANS: a) 5

Explanation:

Upon examination, we can observe that:

- The first digit of each code corresponds to the number of letters in the first word of the phrase.
- The second digit corresponds to the number of letters in the second word.
- The third digit corresponds to the number of letters in the third word.

Applying this pattern: 'girls' has 5 letters.

Therefore, the code for 'girls' will have the first digit as 5.



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7) What will be the code for 'India is a beautiful country'

- a) 4235
- b) 52197
- c) 52347
- d) 63547

ANS: b) 52197

Explanation:

Applying the pattern to the given phrase:

- India has 5 letters,
- is has 2 letters,
- a has 1 letter,
- beautiful has 9 letters,
- country has 7 letters.

Therefore, the code for 'India is a beautiful country' will be '52197'.

8) Which of the following can be coded as "35724"

- a) Vacation in Italy
- b) She liked the gift a lot
- c) Taj Mahal located in Agra
- d) Raj is excited about the party

ANS: c) Taj Mahal located in Agra.

Explanation: Among the given options, "Taj Mahal located in Agra" matches the pattern, where each word has the required number of letters:

- Taj (3 letters),
- Mahal (5 letters),
- located (7 letters),
- in (2 letters),
- Agra (4 letters).

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Directions (Q9 - Q11): Given below are codes for a few alphabets, based on the coding answer the following questions:

Alphabet	T	N	P	C	G	A	S	E	H	K	I
Symbol	\$	%	^	&	*	?	@	+	#	£	₹

9) How will the word 'Pens' be written in coded language?

- a) \$%&*
- b) ^+%@
- c) @#\$%
- d) +@#%

ANS: b) ^+%@

Explanation:

To encode the word "Pens" using the provided code:

- P is coded as ^
- e is coded as +
- n is coded as %
- s is coded as @

Therefore, the coded form of "Pens" would be ^+%@.



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10) If the code for T is exchanged with I, code for N is exchanged with K and so on, what will be the code for the word "SKIP"?

- a) A£%#
- b) ?@£\$
- c) +?#\$
- d) *%\$#

ANS: d) *%\$#

Explanation:

New Codes after the interchanging is done,

Alphabet	T	N	P	C	G	A	S	E	H	K	I
Symbol	£	£	#	+	@	?	*	&	^	%	\$

Code for SKIP = *%\$#



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11) What word will be formed when the given code is decoded: ^?&£Å%*

- a) Skipping
- b) Winning
- c) Packing
- d) Gapping

ANS: c) Packing

Explanation:

To decode the given code ^?&£Å%*:

- ^ corresponds to P
- ? corresponds to a
- & corresponds to c
- £ corresponds to k
- Å corresponds to i
- % corresponds to n
- * corresponds to g

So, the decoded word is "Packing".



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Directions (Q12 - Q15): Study the information given below and answer the questions following it:

'Move Fast Or Left Behind' is coded as '7 1 9 0 3'

'Move Left Behind The Journey' is coded as '4 9 1 5 3'

'Your Journey Ended Fast' is coded as '5 2 7 6'

'The Life Ended Or Behind' is coded as '0 8 4 9 2'

12) What is the code for "left"?

- a) 5
- b) 6
- c) 2
- d) 1

ANS: d) 1

Explanation:

From the given data, we can see that "left" appears in three Phrases:

'Move Fast Or Left Behind' is coded as '7 1 9 0 3'

'Move Left Behind The Journey' is coded as '4 9 1 5 3'

'The Life Ended Or Behind' is coded as '0 8 4 9 2'

By comparing 3 phrases,

- Behind is coded as 9.
- There are 2 more codes common to 1 & 2 sentences which are 1 and 3.
- According to the options, 1 is the answer.



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13) Which word has been coded as "3"?

- a) Move
- b) Behind
- c) The
- d) Journey

ANS: a) Move

Explanation:

- From the given data, we can see that the word "Move" appears in the phrases
- 'Move Fast Or Left Behind' and 'Move Left Behind The Journey'.
- In both instances, "Move" is represented by the code "3".

14) How will 'your life journey' be coded as?

- a) 5 6 8
- b) 1 2 3
- c) 9 0 6
- d) 0 2 5

ANS: a) 5 6 8

Explanation:

We can deduce the following codes:

"your" is represented by '6'

"life" is represented by '8'

"journey" is represented by '5'

So, the coded form of "your life journey" would be '5 6 8' according to the options.

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15) What is the code for 'fast'?

- a) 5
- b) 0
- c) 6
- d) 7

ANS: d) 7

Explanation:

To find the code for "fast," let's examine the provided data:

- 'Move Fast Or Left Behind' is coded as '7 1 9 0 3'
- 'Your Journey Ended Fast' is coded as '5 2 7 6'

From the given data, we can see that "fast" appears in the phrase 'Your Journey Ended Fast,' where it is represented by the code '7'.

CONCEPT 2 – WORD TO WORD CODING

16) If 'Orange' is called 'butter', 'butter' is called 'Soap', 'Soap' is called 'Ink', 'Ink' is called 'Honey', 'Honey' is called 'Orange', which of the following is used for washing clothes?

- a) Honey
- b) Soap
- c) Ink
- d) Butter

ANS: c) Ink

Explanation:

Soap is used for washing clothes, here Soap is called Ink.

Hence, the answer is Ink.

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17) If 'Room' is called 'bed', 'bed' is called 'window', 'window' is called 'flower', 'flower' is called 'cooler', on what would a man sleep?

- a) Window
- b) Bed
- c) Flower
- d) Cooler

ANS: a) Window

Explanation: A man sleeps on a bed, here the bed is called a window.

Hence, the answer is Window.

18) If 'Cushion' is called 'Pillow', 'Pillow' is called 'mat', 'mat' is called 'bedsheet', 'bedsheet' is called 'cover', which will be spread on the floor?

- a) Cover
- b) Bedsheet
- c) Mat
- d) Pillow

ANS: b) Bedsheet

Explanation: Mat will be spread on the floor, here the mat is called Bedsheet.

Hence, the answer is Bedsheet.

19) In a certain code language, 'apple' means 'pear', 'pear' means 'orange', 'orange' means 'guava' and 'guava' means 'melon'. In this language, which one of the following will be a "citrus fruit"?

- a) Pear
- b) Melon
- c) Guava
- d) Orange

ANS: a) Pear

Explanation: Orange is a citrus fruit. Here, Pear means orange.

Hence, the answer is Pear.

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20) If 'black' means 'pink', 'pink' means 'blue', blue means 'white', 'white' means 'yellow', 'yellow' means 'red' and 'red' means 'brown', then what is the colour of clear sky ?

- a) Brown
- b) Pink
- c) Red
- d) White

ANS: b) Pink

Explanation:

Blue is the colour of clear sky. Here, Pink means Blue.

Hence, the answer is Pink.

CONCEPT 3 – DIRECT / FIXED CODING

21) In a certain code language, "TABLE" is written as "34129" and "CHAIR" is written as "24318". How is "CHALET" written in that code language?

- a) 243218
- b) 234518
- c) 243293
- d) 234291

ANS: c) 243293

Explanation:

This is the fixed coding type. Here, T is coded directly as 3, A is coded as 4 and so on.

Therefore, CHALET is coded as 243293.



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22) In a certain code, "ROPE" is written as "%57\$", "DOUBT" is written as "35#8*" and "LIVE" is written as "@24\$". How is "TROUBLE" written in that code?

- a) *%5#8@\$
- b) *%#58@\$
- c) *%5#8@4
- d) *%#58\$@

ANS: a) *%5#8@\$

Explanation:

This is the fixed coding type. Here, R is coded directly as %, O is coded as 5 and so on.

Therefore, TROUBLE is coded as *%5#8@\$.

CONCEPT 4 – LETTER TO LETTER CODING

23) If in a certain code language, A is coded as Z, B is coded as Y, C is coded as X, and so on, how is the word "HELLO" coded?

- a) SVOOL
- b) SVVOL
- c) SVOLL
- d) SVOLO

ANS: a) SVOOL

Explanation:

- In this coding scheme, each letter is replaced by its opposite letter.
- A is replaced by Z, B is replaced by Y, C is replaced by X and so on.
- So, to code the word "HELLO," we would replace each letter by its opposite letter as SVOOL.



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24) In a certain code, DECEMBER is written as ERMBCEDE. Which word will be written as ERMBVENO in that code ?

- a) AUGUST
- b) SEPTEMBER
- c) OCTOBER
- d) NOVEMBER

ANS: d) NOVEMBER

Explanation:

<u>DE</u>	<u>CE</u>	<u>MB</u>	<u>ER</u>
1	2	3	4
4	3	2	1
<u>ER</u>	<u>MB</u>	<u>CE</u>	<u>DE</u>
<u>NO</u>	<u>VE</u>	<u>MB</u>	<u>ER</u>
1	2	3	4
4	3	2	1
<u>ER</u>	<u>MB</u>	<u>VE</u>	<u>NO</u>

25) If FISH is written as EHRG in a certain code, how would JUNGLE be written in that code ?

- a) ITMFKD
- b) ITNFKD
- c) KVOHMF
- d) TIMFKD

ANS: a) ITMFKD

Explanation:

F	I	S	H		
-1↓	-1↓	-1↓	-1↓		
E	H	R	G		
J	U	N	G	L	E
-1↓	-1↓	-1↓	-1↓	-1↓	-1↓
I	T	M	F	K	D



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26) In a certain code, ROAD is written as URDG. How is SWAN written in that code ?

- a) VXDQ
- b) VZDQ
- c) VZCP
- d) UXDQ

ANS: b) VZDQ

Explanation:

R	O	A	D
+3↓	+3↓	+3↓	+3↓
U	R	D	G
S	W	A	N
+3↓	+3↓	+3↓	+3↓
V	Z	D	Q



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27) In a certain code, FAVOUR is written as EBUPTS. How is DANGER written in that code ?

- a) CBFFDS
- b) CBMHDS
- c) EBFHDS
- d) EBHHFS

ANS: b) CBMHDS

Explanation:

F A V O U R
-1 ↓ +1 ↓ -1 ↓ +1 ↓ -1 ↓ +1 ↓
E B U P T S

D A N G E R
-1 ↓ +1 ↓ -1 ↓ +1 ↓ -1 ↓ +1 ↓
C B M H D S



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CONCEPT 5 – LETTER TO NUMBER CODING

28) If 'WORK' is coded as '4-12-9-16', then how will you code 'WOMAN'?

- a) 4-12-14-26-13
- b) 4-26-14-13-12
- c) 23-12-26-14-13
- d) 23-15-13-1-14

ANS: a) 4-12-14-26-13

Explanation:

- In this coding scheme, each letter is replaced by its opposite letter value.
- So, to code the word "WORK" we would replace each letter by its opposite letter value as 4-12-14-26-13.

29) If CUP = 40, then KITE = _____.

- a) 10
- b) 20
- c) 30
- d) 45

ANS: d) 45

Explanation:

$$\begin{array}{cccc} & 3 & 21 & 16 \\ \text{As,} & C & U & P \end{array} \Rightarrow 3 + 21 + 16 = 40$$

Similarly,

$$\begin{array}{cccc} 11 & 9 & 20 & 5 \\ K & I & T & E \end{array} \Rightarrow 11 + 9 + 20 + 5 = \boxed{45}$$



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30) If BAG = 71, then VICE = _____.

- a) 69
- b) 70
- c) 75
- d) 90

ANS: a) 69

Explanation:

$$\text{As, } \begin{array}{ccc} 25 & 26 & 20 \\ \text{B} & \text{A} & \text{G} \end{array} \Rightarrow 25 + 26 + 20 = 71$$

Similarly,

$$\begin{array}{cccc} \text{V} & \text{I} & \text{C} & \text{E} \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 5 & 18 & 24 & 22 \\ = 5 + 18 + 24 + 22 = & \boxed{69} & & \end{array}$$