

CODING DECODING

1. In a certain coding system, APPLE stands for ETTPI. What is the code for "DELHI"?
- A. CQMND
 - B. CQPLM
 - C. ZAHDE
 - ☒ D. HIPLM
2. In a certain code 'TERMINAL' is written as 'SDQLJOBM'. How is CREDIBLE written in that code?
- ☒ A. BQDCJCMF
 - B. BQDCHAKD
 - C. DSFEJCMF
 - D. DSFEHAKD
3. If in a certain language, POPULAR is coded as QPQVMBS, which word would be coded as GBNPVT?
- A. FOSAUM
 - B. FAMOSU
 - ☒ C. FAMOUS
 - D. FASOUM
4. If ANCIENT is coded as 2516859 and NATURE is coded as 529048, then TRAIN will be coded as
- A. 94285
 - B. 92456
 - ☒ C. 94265
 - D. 94168
5. If HKUJ means FISH, what does UVCD mean?
- A. STAR
 - ☒ B. STAB
 - C. STAL
 - D. STAK
6. If REASON is coded as 5 and BELIEVED as 7, then what is the code for GOVERNMENT?
- A. 6
 - B. 8

~~C. 9~~

D. 10

7. If BE QUICK is coded as ZC OSGAI, then the code of the last letter of the third word in the sentence I LOVE MY COUNTRY is

A. A

B. T

C. U

~~D. W~~

Handwritten notes:
-2 over
4-2=2
2-2=0

8. "Music is natural medicine" is coded as "5#U 2^I 7&A 8*E"

"Eating vegetable makes healthy" is coded as "6\$E 9=E 5#A 7&E"

"Health and Money balance" is coded as "6\$E 3%A 5#O 7&A"

"Life extra wonderful now" is coded as "4@I 5#E 9=O 3%O"

What is the code for "Melody"?

A. 6\$E

B. 5^O

C. 6%E

D. 7&O

9. In a certain code language, "YIELD" is written as "YHBGX" and "FORT" is written as "POME". How is "HEIGHT" written in that code language?

A. NCDFCG

B. NCCECG

C. NBCFCG

D. NCCFCG

10. In a certain code language,

'Become Your Role Model' is written as 'S4 C6 N5 Z4'

'Human Life World Change' is written as 'D6 I5 X5 M4'

'Insane Make Others Crazy' is written as 'D5 J6 N4 P6'

If the code for the words 'Never Look ____' is coded as 'M4 C5 O5' in the coded language then what will be the missing word?

A. Back

B. Below

- C. Bad
- D. Before

11. If in a code language "ORGANISATION" is written as "CBDWLQJWYQCL" and "OPERATION" is written as "CXFBWYQCL". How is "SEPARATION" coded?

- A. EJXEBEYQCL
- B. JFQYWBCXQL
- C. JFXWBWYQCL
- D. QCLYWBFXJE

12. In a certain language, BUTTER is coded as CVUUPS, BREAD is coded as CSFBE, the how COFFEE is coded?

- ☒ A. DPGGFF
- B. GGDPFF
- C. GDPGFF
- D. FFDPGG

13. Rewrite the word POWDER in the numeric form by writing its first three letters in the reverse order and then next three letters in the reverse order by substituting O by 7, D by 2, W by 5, E by 1, P by 3, R by 6.

- A. 573612
- B. 576312
- C. 657312
- D. None of these

14. If 'CYCLONE' is coded as ONEMCYC then what is the code for 'TSUNAMI'?

- A. SMTAIOU
- B. AMITSOU
- C. AMIOTSU
- D. MIATSOU

15. In a certain code, SPRING is written as UNUFRC. How will the word MOBILE be written in that code language?

- A. KQEFPA
- B. OMDGNC
- C. OMDGPA
- D. OMEFPA

16. In a certain code, CAT is written as SATC and DEAR is written as SEARD. How would SING be written in that code?

- A. BGINS
- B. SGNIS
- C. SINGS
- D. GNISS

17. In a code language, SOLID is written as WPSLPIMFHA. What does the code-word ATEXXQIBVO refer to?

- A. WATER
- B. WAGER
- C. EAGER
- D. WAFER

18. If SEASONAL is written as ESSANOLA, How can SEPARATE be written in that code?

- A. SEAPARET
- B. ESPARATE
- C. ESPAARTE
- D. ESAPARET

19. In a certain code language, GRAPE is written as 27354 and FOUR is written as 1687. How is GROUP written in that code?

- A. 27384
- B. 27684
- C. 27685
- D. 27658

20. If 'CONSTABLE' is coded as 91, what will be the code number for 'STABLE'?

- A. 97
- B. 59
- C. 79
- D. 75

21. If PLANT is coded as TNBLP, then LOGIC will be coded as

- A. CIHOL
- B. ICHOL
- C. GICLO
- D. CIGOL

22. If certain language CHARCOLE coded as 45164913 and MORALE is coded as 296137, how is the word ALLOCHRE coded in that language?

- A. 13396875
- B. 16693985
- C. 13394567
- D. 19943785

23. If each of the letters in the English alphabet is assigned odd numerical value beginning A = 1, B = 3 and so on, what will the total value of the letters for the word 'HOTEL'?

- A. 95
- B. 115
- C. 125
- D. 105

24. If EARTH can be coded as 'IUSBF' how can GLOBE be coded?

- A. HMPCF
- B. FMPCH
- C. FPMCH
- D. FCPMH

25. If B = 2, BAG = 10, then BOX=?

- A. 1 4 5 5 6 7 3
- B. 41
- C. 52
- D. 36

Answer:

1. D

Solution:

A P P L E
 ↓ ↓ ↓ ↓ ↓
 +4 +4 +4 +4 +4
 ↓ ↓ ↓ ↓ ↓
 E T T P I

D E L H I
 ↓ ↓ ↓ ↓ ↓
 +4 +4 +4 +4 +4
 ↓ ↓ ↓ ↓ ↓
 H I P L M

ineStudy4u

2. A

Solution:

T E R M I N A L
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
-1 -1 -1 -1 +1 +1 +1 +1
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
S D Q L J O B M

Similarly;

C R E D I B L E
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
-1 -1 -1 -1 +1 +1 +1 +1
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
B Q D C J C M F

3. C

Solution:

P O P U L A R
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
+1 +1 +1 +1 +1 +1 +1
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Q P Q V M B S

Therefore;

G B N P V T
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
-1 -1 -1 -1 -1 -1 -1
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
F A M O U S

4. C

Solution:

A N C I E N T
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
2 5 1 6 8 5 9

N A T U R E
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
5 2 9 0 4 8

Therefore,

T R A I N
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
9 4 2 6 5

5. B

Solution:

H K U J
↓ ↓ ↓ ↓
-2 -2 -2 -2
↓ ↓ ↓ ↓
F I S H

Similarly;

U V C D
↓ ↓ ↓ ↓
-2 -2 -2 -2
↓ ↓ ↓ ↓
S T A B

6. C

Solution: Clearly, each word is coded by the numeral which is 1 less than the number of letters in the word.

Since, there are 10 letters in the word GOVERNMENT, so required = $10 - 1 = 9$.

7. D

Solution: Each letter in the given message is moved two steps backward to obtain the corresponding letter of the code.

The last letter of the third word in the given sentence is Y, which shall be coded as W.

8. A

Solution: 1. The digit in the code represents the number of letters in the word.

For example: In word "DIGIT", there are 5 letters, so the code will begin with 5.

2. The symbol in the code is based upon the following table.

No. of letters in the word	Symbol
2	^
3	%
4	@
5	#
6	\$
7	&
8	*
9	=

For example: In word "DIGIT" the number of letters are 5, so the middle code would be #.

3. The letter in the code represents the first vowel from left end in the given word.

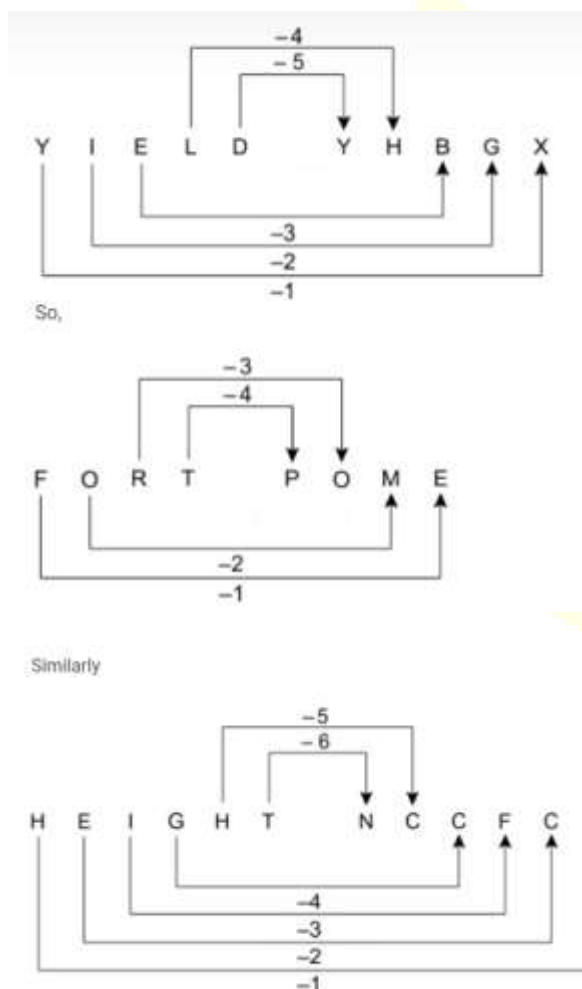
For example: In word "DIGIT" the first vowel from left end is I, so the code will end with I.

Hence the code for "DIGIT" is "5#I".

Following the common explanation we can say that if the code for the words 'Never Look ___' is coded as 'M4 C5 O5' in the coded language then the missing word will be Below.

9. D

Solution:



10. B

Solution: In the code given for each word,

Each letter of the code can be obtained changing the first letter of its corresponding word to the next letter according to alphabetical series.

For example, first letter of the word 'Become' is 'B' and the next letter of 'B' in alphabetical series is 'C'. Hence, the letter is 'C'.

Similarly, first letter of the word 'Insane' is 'I' and the next letter of 'I' in alphabetical series is 'J'. Hence, the letter is 'J'.

Now, each number of the code denotes the number of letters of its corresponding word.

For example, the number of letters in the word 'Become' is '6'. Hence, the number is '6'.

Similarly, the number of letters in the word 'Insane' is '6'. Hence, the number is '6'.

Therefore, the code of the 'Become' is 'C6' and 'Insane' is 'J6'.

11.

Solution:

ORGANISATION

CBDWLQJWYQCL

OPERATION

CXFBWYQCL

Therefore;

SEPARATION

JFXWBWYQCL

12. A

Solution:

B U T T E R
↓ ↓ ↓ ↓ ↓ ↓
+1+1+1+1+1+1
↓ ↓ ↓ ↓ ↓ ↓
C V U U F S

B R E A D
↓ ↓ ↓ ↓ ↓
+1+1+1+1+1
↓ ↓ ↓ ↓ ↓
C S F B E

Similarly;

C O F F E E
↓ ↓ ↓ ↓ ↓ ↓
+1+1+1+1+1+1
↓ ↓ ↓ ↓ ↓ ↓
D P G G F F

13. A

Solution: POW / DER = WOP / RED → 573612

14. C

Solution:

C Y C L O N E
Interchange +1
O N E M C Y C

Similarly,

T S U N A M I
Interchange +1
A M I O T S U

15. D

Solution: The first, third and fifth letters in the word are moved two, three and four steps forward respectively while the second, fourth and sixth letters are moved two, three and four steps backward respectively to obtain the corresponding letters of the code.

16. C

Solution: The first letter of the word is moved to the last position and 'S' is placed at the beginning, to form the code.

17. A

Solution:

W P S L P I M F H A
↓+3 ↓+3 ↓+3 ↓+3 ↓+3
S O L I D

Thus

A T E X X Q I B V O
↓+3 ↓+3 ↓+3 ↓+3 ↓+3
W A T E R

18. D

Solution:

Assign numbers to letter and move them like given word.

S E A S O N A L = E S S A N O L A

1 2 3 4 5 6 7 8 = **2 1 4 3 6 5 8 7**

Apply the bold value sequence in the SEPARATE

S E P A R A T E = E S A P A R E T

1 2 3 4 5 6 7 8 = **2 1 4 3 6 5 8 7**

19. C

Solution:

G R A P E

↓ ↓ ↓ ↓ ↓

2 7 3 5 4

F O U R

↓ ↓ ↓ ↓

1 6 8 7

Similarly,

G R O U P

↓ ↓ ↓ ↓ ↓

2 7 6 8 5

20. B

Solution:

The alphabetical position of letters is as follows

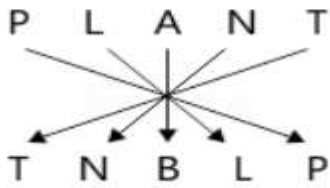
C	⇒	03
O	⇒	15
N	⇒	14
S	⇒	19
T	⇒	20
A	⇒	01
B	⇒	02
L	⇒	12
E	⇒	05
<hr/>		
Total	=	91

Similarly;

S	⇒	19
T	⇒	20
A	⇒	01
B	⇒	02
L	⇒	12
E	⇒	05
<hr/>		
Total	=	59

21. A

Solution:



Similarly



22. C

Solution:

Letter	C	H	A	R	O	L	M	E
Code	4	5	1	6	9	3	2	7

Thus, the code for ALLOCHRE is 13394567.

23. B

Solution:

$$A \Rightarrow 1 \times 2 - 1 = 1$$

$$B \Rightarrow 2 \times 2 - 1 = 3$$

Therefore,

$$H \Rightarrow 08 \times 2 - 1 = 15$$

$$O \Rightarrow 15 \times 2 - 1 = 29$$

$$T \Rightarrow 20 \times 2 - 1 = 39$$

$$E \Rightarrow 05 \times 2 - 1 = 09$$

$$L \Rightarrow 12 \times 2 - 1 = 23$$

Total of numbers = 115

24. D

Solution:

E A R T H
Reverse order
H T R A E
↓ ↓ ↓ ↓ ↓
+1 +1 +1 +1 +1
↓ ↓ ↓ ↓ ↓
I U S B F

Similarly;

G L O B E
Reverse order
E B O L G
↓ ↓ ↓ ↓ ↓
+1 +1 +1 +1 +1
↓ ↓ ↓ ↓ ↓
F C P M H

25. B

Solution:

B = 2 : Position number in English alphabet

B A G
↓ ↓ ↓
 $2 + 1 + 7 = 10$

Therefore,

B O X
↓ ↓ ↓
 $2 + 15 + 24 = 41$

www.study4u