

Coding And Decoding

Q1 In a certain code language, "Enjoy twisted beautiful the" is coded as "sw gb ak nk" "One twisted beautiful Enjoy" is coded as "gb ak sw sa" "Life beautiful Compare Just" is coded as "na hi ga gb" "Enjoy Evening Meeting Life" is coded as "ak ib fa ga"

Q2 "Eat Arranged Race done" is written as "pl jt eh fr" "Strike Source Idol Pain" is written as "af nl sw vr" "done Pain Arranged Strike" is written as "jt sw pl vr" "Eat done Idol Strike" is written as "pl nl fr vr".

Q3 In a certain code language, "decision packet arrange step" is coded as "rw la za ma" "treat efficient packet arrange" is coded as "ka pa rw za" "treat loop arrange step" is coded as "gs ka la za" "loop efficient process technology" is coded as "gs pa ta ba".

Q4 In a certain code language "Bike Plate Hero" is written as "rm li fl" "Corona Test Lab" is written as "wk cl yw" "Hero Lab Bike" is written as "fl cl rm" "Kit Corona Test" is written as "nj yw wk"

Q5 In a certain code language "read seal Pack" is written as "rd pk sl" "soon lack deep" is written as "lk sn dp" "Pack lack discount" is written as "dt pk lk" "profit loss read" is written as "rd pt ls"

Q6 In each of the following questions four out of five alternatives contain letters of the alphabet placed in a particular form. Find the one that does not belong to group.

- a) PUS
- b) HLJ
- c) BFD
- d) CGE
- e) UYW

Q7 In each of the following questions four out of five alternatives contain letters of the alphabet placed in a particular form. Find the one that does not belong to group.

- a) BYAX
- b) PMOL
- c) SPRN
- d) QNPM
- e) BTAS

Q8 In each of the following questions four out of five alternatives contain letters of the alphabet placed in a particular form. Find the one that does not belong to group.

- a) GHJM
- b) CDFJ
- c) KLNQ

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d) TUWZ

e) SVQY

Q9) Four of the following five are alike in a certain way based on the English alphabetical series and so form a group. Which is the one that does not belong to that group?

a) KQ

b) DJ

c) RX

d) SZ

e) FL

Q10 Four of the following five are alike in a certain way based on the English alphabetical series and so form a group. Which is the one that does not belong to that group?

a) CEAC

b) TVRT

c) FHDF

d) PRMP

e) None

Q11

E	J	L	O	N	0	3	2	U	6	9	X	5
}	^	#	*	?	&	%	\$!	>	~		@

Each element is denoted by a symbol as shown above. Further, consider the given conditions and answer accordingly.

1. If the third element is odd and sixth element is a vowel, then both the elements should be coded as '!'.

2. If the second element is consonant and sixth element is also a consonant, then both the elements should be coded as the code of the second element.

3. If the fifth and sixth elements are odd, then the code for both the elements should be interchanged.

- OXUN2L
- L695UO

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- 6XOE2J
- 2XU359
- L326JE

Q12 In each question below is given a group of letters followed by four combinations of digits/symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the conditions that follow and mark the number of that combination as your answer. If none of combinations correctly represents the group of letters, mark (5) i.e. 'None of these' as your answer.

Digit/Symbol	9	@	2	4	\$	3	7	%	+	1	5	6	*	8	©
Letter	R	W	F	P	A	H	B	M	E	J	Q	I	U	N	T

Conditions:

- If the first element is an even digit and the last element is a symbol, both are to be coded as the code for the even digit.
- If the first element is a symbol and the last element is an odd digit, their codes are to be interchanged.
- If the first element is an odd digit and the last element is an even digit, both are to be coded as the code for the odd digit.

- 853©2+
- 4\$%3*6
- 9@\$3%6
- 728%9\$
- ©7+541

Q13 How many such pairs of letters are there in the word “PROMOTIONAL” each of which has as many letters between them in the word as in the English alphabet? (Both forward and backward directions)

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Q14 How many such pairs of letters are there in the word "NOTEBOOK" each of which has as many letters between them in the word as in the English alphabet? (Both forward and backward directions)

Q15 How many such pairs of letters are there in the word "SENSATIONAL" each of which has as many letters between them in the word in **the forward direction only** as in the English alphabet.

Q16 How many such pairs of letters are there in the word „LAPAROSCOPY“ each of which has as many letters between them in the word in the **forward direction only** as in the English alphabet?

Q17 Four of the following five are alike in a certain way based on the English alphabetical series and so form a group. Which is the one that does not belong to that group?

a) BN-P

b) GI-R

c) LM-Y

d) TA-U

e) None

Q18 In a certain code, GOAL is written as JRDO. How is PLAN written in that code?

(a) SPDQ

(b) SODQ

(c) SOCP

(d) SODP

Q19 In a certain code, RELIEF is written as QFKKDI. How is WELCOME written in that code?

(a) VDKCNLM

(b) VFKENMF

(c) VFKENPD

(d) VFKENPF

Q20 In in a certain code, RAT = 39 and CHAT = 32, then how will you code TWITTER?

(a) 111

(b) 112

(c) 114

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(d) 115

Q21

In a code language, 'FAIL' is written as 'IFLA' and 'SOUL' is written as 'USLO'. How to write DUST in the same code language?

- A. STDU
- B. STUD
- C. SDUT
- D. SDTU

Q22

In a code language, 'EARNING' is written as 'SBFOHOJ', so how will 'AUDIBLE' be written in that code language?

- A. EVBJFMC
- B. FVBJENC
- C. EUBKFMC
- D. DVBJFMC

Q23

In a certain language, if MOUNTAIN is written as 46352195, then how is UNIVERSE coded in the same language?

- A. 25945905
- B. 45945915
- C. 13594591
- D. 35945915

Q24

In a certain code language, 'EARTH' is coded as '8201815'. How will 'ORBIT' be coded as in that language?

- A. 18172372
- B. 20921815
- C. 37681026
- D. 17113912

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Q25

In a certain code, CATHODE is written as X5GS2W4. How will RELATION be written in that code?

- A. J4O1G32N
- B. J3O5G32M
- C. I3O1G32M
- D. I4O5G32M

Q26

If 'yellow' is called 'red' , 'red' is called 'blue' , 'blue' is called 'white' , 'white' is called 'black' , 'black' is called 'green' and 'green' is called 'violet', what is the colour of clear sky ?

- A. Green
- B. Violet
- C. Yellow
- D. White

Q27

If sky is called Survey, Survey is called plant, plant is called project and project is called topper, then where will the people be sent to collect the data by company?

- A. Sky
- B. Plant
- C. Project
- D. Topper

Q28 If V = 44 and FAT = 54, then how will you code LATE?

- A. 110
- B. 76
- C. 19
- D. 54

Q29

If FLOWER is coded as 14 and DISTASTE is coded as 18, then how will BUREAUCRAT be coded as ?

- A. 22
- B. 18
- C. 20
- D. 28

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Solution:

Q6 Option A In all other groups, there is a gap of one letter between first and third letters as in the English alphabet.

Q7 Option C

In all other groups second and fourth letters are the consecutive letters of the alphabet

Q8 Option E

In all other groups first and second letters are the consecutive letters of the alphabet

Q9 Option D

In all other groups

$$K(11)+6=Q(17)$$

$$D(4)+6=J(10)$$

$S(19)+6=Y(25)$. But it is given as SZ in the option.

Hence it does not belong to the group

Q10 Option D

$$C + 2 = E, C - 2 = A$$

$$F + 2 = H, F - 2 = D$$

$$P + 2 = R, P - 2 = O$$

$$T + 2 = V, T - 2 = R$$

Q17 Option B

$$BN=2+14=16=P$$

$$LM=12+13=25=Y$$

$$TA=20+1=21=U$$

$$GI=7+9=16=P \text{ (NOT R)}$$

Q18 Option B Each letter in the word is moved three steps forward to obtain the corresponding letter of the code.

Q19 Option C The first, third, fifth and seventh letters of the word are each moved one step backward; the second, fourth, and sixth letters are moved one, two and three steps forward respectively to obtain the corresponding letters of the code.

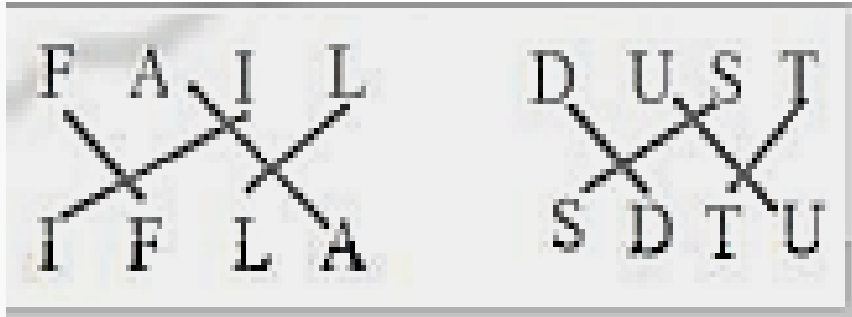
Q20 Option D

$$A = 1, B = 2, \dots, Z = 26.$$

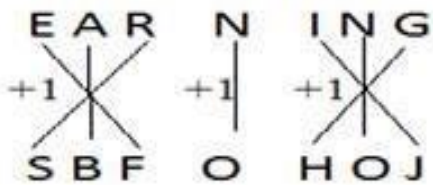
$$\text{So, TWITTER} = 20+23+9+20+20+5+18 = 115.$$

Q21

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Q22



Q23 M O U N T A I N
 13 15 21 14 20 1 9 14 (addition of digit)
 4 6 3 5 2 1 9 5

Q24



Q25

A E I O U = 5, 4, 3, 2, 1

Consonants are coded as their opposite letters.

Q26 Blue is called white then the color of clear sky is white.

Q27

The Company will send people for survey to collect data and here the survey has been called plant, hence the answer will be the plant.

Q28 V = $22 \times 2 = 44$

FAT = $6 + 1 + 20 = 27 \times 2 = 54$

LATE = $12 + 1 + 20 + 5 = 38 \times 2 = 76$

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Q29 FLOWER = 6 LETTERS = $6 \times 2 + 2 = 14$ DISTASTE = 8 LETTERS = $8 \times 2 + 2 = 18$

BUREAUCRAT = 10 LETTERS = $10 \times 2 + 2 = 22$