సాక్షి విద్య

# How is NODE written in that code?



# **MODEL QUESTIONS**

- 1. In a certain code 'RAIL' is written as 'KCTN' and 'SPEAK' is written as 'CGRUM'. How will 'AVOID' be written in that code? 1) FKQXC 2) KRXCF 3) KQVCB 4) KQXCF 5) None of these
- **2.** In a certain code TREAD is written as '7%#94' and PREY is written as '\$%#8'. How is ARTERY written in that code? 1) 9#7%#8 2) 9#%7#8 3) 9%7#%8
  - 4) 9%#7%8
  - 5) None of these
- 3. In a certain code language GE-RMINATION is written as IM-GRENNOAIT. How is ESTAB-LISHED written in that code? 1) BATESLDEIHS 2) BAETSLDEIHS 3) BAETSLEDIHS 4) **BEATSLDEIHS**

1) TVSGCUQN K. M. Jaya Rao 2) TVTGCUQN

Subject Expert

- 3) TTVGCUQN 4) TVTHCUQN
- 5) None of these
- 5. In a certain code language PRO-BLEM is written as MPERLOB. How will NUMBERS be written in that code? 1) SNUREMB
  - 2) SNRUBME
  - 3) SNRUEMB
  - 4) SNRUMEB
  - 5) None of these

6. In a certain code BOARD is written as 53169 and NEAR is written as 2416. How is NODE written in that code?

- 1) 2394 2) 2894 3) 2934 4) 2694 5) None
- 7. If Apple means Banana, Banana means Carrot, Carrot means Rose, Rose means Cabbage and Cabbage means Potato, then which flower is discussed in the statement?
  - 1) Potato
  - 2) Cabbage
  - 3) Carrot
  - 4) Cannot be determined 5) None of these

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alphabet have been coded by using digits 1 to 8 and the vowels have been coded by using different symbols.

## Letters:G B K H Z M F **RVCSDQX** J N T L W Y P Digit: 5413287

If any vowel is neither in the beginning nor in last, it is coded as '6'. If any vowel is at the beginning or in the last, it is coded as '9'. However, if the same vowel is placed at both beginning and in the last, it is coded as '\$' at both the places. How the following letter-groups will be coded?

# 8. PKDEJHI

2) 7129539 1) 712653\$

#### 5) None of these **10. OPTIONAL** 2) \$7199493 1) \$7166463 3) 67199493 4) 97166463 5) None of these **11. EGTARLQE** 1) 95165389 2) 65195386 3) \$519538\$ 4) \$51\$538\$ 5) None of these

**12. ENIANGE** 1) \$4\$\$45\$ 2) 9466459 3) \$46645\$ 4) 6499456 5) None of these

Directions (Q.No.13-17): The English alphabet is categorized into 5 groups, each starting with a vowel and encompassing the immediately following consonants in the group. Thus, the first group would have letters A, B, C and D; the second E, F, G and H; and so on. These groups are assigned values as 10 for the first, 20 for the second, and so on, up to 50 for the last. Every letter in a particular group will have the same value of the group when used to form words. The value of each letter should add up to compute the value of the word. If the word has letters only from the same group, the value of the word would be the value of the

value of the first letter of the word and any other letter of that group will be the same as that of its group, but that of the subsequent letter will be 'double' as much as the value of its group.

For example: The value of 'CAB' WILL BE 30 (I. E., M 10 + 10 + 10) as all the three letters are from the first group, each one having a value of 10.

The value of 'BUS' will be 10 +(50\*2) + (40\*2) = 190The value of 'JUNK' will be 30 + (50\*2) + 30 + 30 = 190.Now, find out the value of each word in the following questions.

### **13. BEG**

	1) 50	2) 90			
	3) 60	4) 70			
	5) None of these				
14.	QUEUE				
	1) 140	2) 280			
	3) 320	4) 360			
	5) None of	these			
15.	SPOTS				
	1) 200	2) 360			
	3) 380	4) 250			
5) None of these					
16.	HIGH				
	1) 40	2) 60			



<ul> <li>5) None of these</li> <li>4. In a certain code language PO-ULTRY is written as PRQ-XNVTY. How is TREASON written in that code?</li> </ul>	Directions (Q.No. 8-12): Study the following information carefully and answer the questions given below: The consonants of English	3) 7126539 4) 712\$53\$ 5) None of these 9. AFDQENI 1) 9728649 2) \$72864\$ 3) 9728949 4) 6728949	letter multiplied by the number of letters in the word. However, if the letters in a word are from different groups, the value of the letters in a word are from different groups, the	5) None of these <b>17. SHOT</b> 1) 70 2) 120 3) 130 4) 140 5) None of these
Key with solutions	others letters of both sides of it are	1 2 3 4 5 6 7	97166463	Q #4 40
	rearranged in a certain way.	P R O B L E M	11) <b>5</b> ;	U #5 50 * 2
Explanations:	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	It has been coded as $7 \cdot 1 = (2 \cdot 5 \cdot 2) \cdot 1$		E $#2$ $20 * 2$
1) 4;	GEKMINAII ON The letters in each helf have	/ 1 6 2 5 3 4 M D E D L O D	$\psi \psi $	U = #2 = 20 * 2
K A I L and S P E A K	heen rearranged in the order : 5/132	NIPEKLUD Similarly	φ 3 1 0 3 3 8 φ 12) 3·	E $\#2$ $20^{+}2$ Thus the value of the word
+2 +2 +2	Now	1 2 3 4 5 6 7	$12, 5, \mathbf{F} \mathbf{N} \mathbf{I} \mathbf{\Delta} \mathbf{N} \mathbf{G} \mathbf{F}$	$OUFUF' = 40 \pm 100 \pm 40 \pm 100$
KYX Y KYXX Y	GERMINATI ON	NUMBERS		QOLOL = 40 + 100 + 40 + 100 + 40 - 320
K C T N C G R U M		Its code would be:	\$ 4 6 6 4 5 \$	15) 1:
Similarly	LANY LAN	7 1 6 2 5 3 4	φισσισφ	Element Group Value
A V O I D	IMGRENNOAIT	S N R U E M B	Directions (Q.13-17):	S #4 40
+2 +2	Similarly	6) 1;	Group Elements	P #4 40
	1 2 3 4 5 1 2 3 4 5	B O A R D N E	#1 A, B, C, D	O #4 40
KQXCF	ESTABLI SHED	5 3 1 6 9 2 4	#2 E, F, G, H	T #4 40
2) 3;		Therefore, NODE is written as	#3 I, J, K, L, M, N	S #4 40
TREAD and PREY	LANY LAN	2394	#4 O, P, Q, R, S, T	Thus, the value of the word
* * * * * * * * * *	BAETSLDEIHS	7) 3;	#5 U, V, W, X, Y, Z	'SPOTS' = 40 * 5 = 200
7 % # 9 4 \$ % # 8	Therefore, our required answer is	Flower discussed in the state-	Group Value assigned to each	16) 5;
Therefore,	option (2)	ment is Rose. So, Carrot means Rose	letter of the group	Element Group Value
ARTER Y	4) 4;	8) 3;	letter of the group	H #2 20
	There is one letter more in the	PKDEJHI	#1 10	I #3 30 * 2
9 % 7 # % 8	code as compared to the letters of the	$\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$	#2 20	G #2 20
3) 2;	given word. The pattern of coding is	7 1 2 6 5 3 9 S' E : :::::::::::::::::::::::::::::::::	#3 30	H $\#2$ 20
Inere are 11 letters each in the	as follows:	Since E is neither at the	#4 40 #5 50	I hus, the value of the word
given word and its code. It means	P O U L T R Y +2 +2 +3 +2 +2 +2	beginning nor at the end it is	#3 30 12) 2.	HIGH = 20 + 00 + 20 + 20 = 120
latter of the given word After		by 0	13) 2; Element Group Value	120
careful examination of the given	P R Q X N V T Y	0) <b>1</b> .	$\begin{array}{ccc} \text{Element Of Oup Value} \\ \text{B} & \#1 & 10 \end{array}$	III S, Element Group Value
word and its code it is clear that the	Similarly,	$\Delta F D O F N I$	$E = \frac{10}{10}$	$S = \frac{4}{40}$
code has been generated by jumbling	T R E A S O N		$G = \frac{112}{12} = \frac{120}{20} = \frac{12}{20}$	H $\#$ $20 * 2$
(rearranging) the letters of the given	+2 +2 +3 +2 +2 +2	9728649	Thus, the value of the word	$\Omega = \frac{112}{40}$
word.	TVTHCUQN	10) 4:	'BEG' = 10 + 40 + 40 - 90	T = #4 = 40
The middle letter of the given	Required answer is option (4).	O P T I O N A L	14) 3;	Thus, the value of the word
word remains at its position while	5) 3;	$\downarrow \hspace{0.1cm} \downarrow 0.1cm$	Element Group Value	'SHOT' = 40 + 40 + 40 + 40 = 160

