

6-12 CODING AND DECODING

P-9 NO:-25

A B C D E F G H I
J K L M N O P Q R
S T U V W X Y Z

1. MYSTIFY $\Leftrightarrow$ NZTUJGZ
NEMISES $\Leftrightarrow$ QFNJTFT

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2. NATURE $\Leftrightarrow$ OCUWSG
FAMINE $\Leftrightarrow$? (+1) (+2) (+1) (+2) (+1) (+2)

$\therefore$ GCNKOQ

3. COMPUTER $\Leftrightarrow$ FPSOVUHS
MEDICINE $\Leftrightarrow$? (+3) (+1)

$\therefore$ PFJHDTQF

4. MONKEY $\Leftrightarrow$ XDJMNL
TIGER, $\Leftrightarrow$? QDFHS

Y $\Leftrightarrow$ X
E $\Leftrightarrow$ D
K $\Leftrightarrow$ J

T $\Leftrightarrow$ S
I $\Leftrightarrow$ H
G $\Leftrightarrow$ F
E $\Leftrightarrow$ D
/
R $\Leftrightarrow$ Q

5. ENTRY $\Leftrightarrow$ 1 2 3 4 5
STEADY $\Leftrightarrow$ 9 3 1 7 8 5
TENANT $\Leftrightarrow$?

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P.9 No:- 26

2. 1. $44 \times 44 = 4444$

$34 \times 52 = 5423$

$81 \times 46 = ?$

$42 \quad 13$

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$\Rightarrow 4168$

6. $137 + 276 = 435$

$731 + 672 = ?$

$$\begin{array}{r} 137 \\ 276 \\ \hline 435 \end{array}$$

$$\begin{array}{r} 731 \\ 672 \\ \hline 1623 \end{array}$$

Octa language

0 - 0

1 - 1

2 - 2

3 - 3

4 - 4

5 - 5

6 - 6

7 - 7

①
8 - 0

9 - 1

10 - 2

11 - 3

12 - 4

13 - 5

14 - 6

15 - 7

②

16 - 0

17 - 1

Octa language means in the given question the numbers are in b/w 1 to 7. so we are using octa language code.

7. Given $D = 4$, COVER = 63

BASIS = ?

$(3+15+22+5+18)$

$2+1+19+9+19 = 50$

$\therefore 50$

8. $\frac{6}{\text{REASON}} = 5 \Rightarrow 6-1$

$\frac{8}{\text{BELIEVED}} = 7 \Rightarrow 8-1$

$\frac{10}{\text{GOVERNMENT}} = ?$

$\Rightarrow 10-9 = 9$

11. $GO = 32$ (Take reverse $G=20$, $O=12$) $\Rightarrow Z=1$, $Y=2$, $X=3$ like the

$SHE = 49$

$SOME = ?$ $\frac{8+}{(12+14+22)}$

$= 56$

14. LUNCH = 6 (1+2+1+1+1)

DINNER = 8 (1+2+1+1+2+1)

SUPPER = 8 (1+2+1+1+2+1)

BREAKFAST = ? (1+1+2+2+1+1+2+1+1)
= 12

All vowels are two
A E I O U - 2
All consonants - 1

15. BOOK - PEN = 8 [(2+15+15+11) - (16+5+14)]

PEN - NIB = ? [(16+5+14) - (14+9+2)]
= 10

17. ~~AT~~ x ~~EAT~~ = 5 (E)

~~SAT~~ x ~~SEAT~~ = 5 (E)

~~GO~~ x ~~GOAT~~ = 21 (AT)

~~EAR~~ x ~~TEAR~~ = ? (T) $\Rightarrow$ 20

19. AROMA = 24 (1+18+15+13+1) $\Rightarrow \frac{48}{2} = 24$

GRAND = 22 (7+18+1+14+4) $\Rightarrow \frac{44}{2} = 22$

KWALITY = ? (11+23+1+12+9+20+25) $\Rightarrow \frac{101}{2} = 50.5$

20. $\frac{5}{\text{PLANT}} = 12.60$ ($\frac{60}{5}$) $\Rightarrow 12.6$

$\frac{6}{\text{LEAVES}} = (12+5+1+22+5+19)$
 $= \frac{64}{6} \Rightarrow 10.66$

29. White = blue = red = yellow = green = black = violet = orange

$\therefore$ yellow

31. Sand = air = Rock = well = Drainage = sky

$\therefore$ Drainage

32. bi nie pie $\Leftrightarrow$ Some good jokes
nie bat like $\Leftrightarrow$ some real stories
pie like to $\Leftrightarrow$ many good stories

Jokes $\Leftrightarrow$? bi