

Coding and Decoding

In certain way 'PROJECT' is related to 'CEORPT', 'PLANE' is related 'ELNP' and 'WIND' is related to 'NWL'. Following the same pattern 'ORGANISED' will be related to

Soln ADEGIORS b) ADEGIOSR ~~c) ADEGIORS~~ (d) ADEGIORS

ORGANISED

ADEGIORS

2) In a certain code, 'PLAN' is coded as QMBO, using the same code 'PLAY' is coded as

Soln PLAN → QMBO

PLAY → QMPZ

3) In a certain code, 'PLAN' is coded as QKBM, using the same code 'PLAY' is coded as

Soln PLAN → ^{+1 -1 +1 -1} QKBM

PLAY → QKPX

(4) In a certain code, 'PLAN' is coded as MQOB, using the same code 'PLAY' is coded as

Soln

16	12	1	14
P	L	A	N
↙	↘	↙	↘
M	Q	O	B

 (then)

P	L	O	Y
↙	↘	↙	↘
M	Q	Z	P

Divide & cross method

4) In a certain code, PLAN is coded as MQMZ, using the same code PLOY is coded as

Solve

PLAN
X X
M Q M Z
+1 +1 -1 -1

Then

PLOY

M Q X N

5) In a certain code, GRAPH is coded as IQBTH, using the same code UNITS is coded as

Solve

GRAPH
X X X X X
I Q B T H

By complete cross pattern

UNIT S

T U X O X

6) In a certain code, GRAPH is coded as MTDTH, using the same code UNITS is coded as...

Solve

GRAPH
X X X X X
M T D T H

UNIT S

X X L P U

GRAPH
X X X X X
M T D T H
+5 +4 +3 +2 +1

7) In a certain code, 'TEAMWORK' is written as 'IUMZKDCW' and 'costly' is written as 'WORVMF'. How is 'SOCCER' written in that code

Solve

TEAMWORK
I U M Z K D C W

S O C C E R
P H A F M V

COSTLY

W O R V M F

Q) In the English alphabet, every alternate letter from B onwards, is written in small letter while others are written in capitals, then how will the 3rd day from Tuesday will be coded?

Sol
A Tuesday \rightarrow Friday

Hint:- Even number letter are in lower case.

Q) In a certain code 'CERTAIN' is coded as 'HJTANI'. How is 'MUNDANE' coded in that code?

Sol
 $3+5$ $18+20-26$
C E R T A I N

H J T A N I

M U N D A N E

H R O E

Opposite letters

A B C D E F G H I J K L M

Z Y X W V U T S R Q P O N

10) In a certain code, BORDER is coded as YLIWVU, using the same code AGENDA is coded as,

Soln

B O R D E R
Y L I W V U

A G E N D A
Z T V M W Z

11) 12345671586 is coded as TERMINATION then 371586 is coded as

Soln

1 2 3 4 5 6 7 15 86
T E R M I N A T I O N

3 7 15 86
R A T I O N

12) In certain code, 'ENGLISH' is written as 'WINUPSTT'! How will be word 'REASON' be written in that language

Soln

E N G L I S H

R E A S O N

W I N U P S T T

J W A I M N