CAREERS 360

PREPARATION Series

Coding Decoding

All Questions with Solutions

Q. 1 **Directions:** In a certain code language, FRAME is written as IUDPH. How is ROYAL written in that code language?

Option 1:
XVTGM

Option 2:
MRDXO

Option 3:
XIDPH

Option 4:
URBDO

Correct Answer:
URBDO

Solution:
Given:
FRAME is written as IUDPH.

Like, F + 3 = I; R + 3 = U; A + 3 = D; M + 3 = P; E + 3 = H
Similarly, ROYAL is written as –
R + 3 = U; O + 3 = R; Y + 3 = B; A + 3 = D; L + 3 = O

So, ROYAL is written as URBDO in that code language. Hence, the **fourth option** is correct.

Q. 2 **Directions:** In a certain code language, FRIED is written as EQHDC. How is RUSTY written in that code language?

Option 1:
PAXYZ

Option 2:
QTRSX

Option 3:
PARSX

Option 4:
NQVSZ

Correct Answer:
QTRSX

Solution:
Given:
FRIED is written as EQHDC.

Like, F – 1 = E; R – 1 = Q; I – 1 = H; E – 1 = D; D – 1 = C
The consistent difference between the letters of word and code is 1.
Similarly, RUSTY is written as –

R – 1 = Q; U – 1 = T; S – 1 = R; T – 1 = S; Y – 1 = X

So, RUSTY is written as QTRSX in that code language. Hence, the **second option** is correct.

Q. 3 **Directions:** If MOHAN is coded as KMFYL, then COUNT will be coded as _____.

Option 1:
AMSLR

Option 2:
MSLAR

Option 3:
SAMLR

Option 4:
MASRL

Correct Answer:
AMSLR

Solution:
Given:
MOHAN is coded as KMFYL.

For the word MOHAN→M – 2 = K; O – 2 = M; H – 2 = F; A – 2 = Y; N – 2 = L

The word formed is KMFYL.

Similarly, for the word COUNT→C – 2 = A; O – 2 = M; U – 2 = S; N – 2 = L; T – 2 = R

COUNT is coded as AMSLR. Hence, the **first option** is correct.

Q. 4 **Directions:** If NAME is coded as MZLD, how will CLAIM be coded?

Option 1:
BKZHL

Option 2:
BKZHI

Option 3:
BKYHL

Option 4:
BKZII

Correct Answer:
BKZHL

Solution:

Given:

NAME is coded as MZLD.

For the word NAME→N – 1 = M; A – 1 = Z; M – 1 = L; E – 1 = D

Similarly, for the word CLAIM→C – 1 = B; L – 1 = K; A – 1 = Z; I – 1 = H; M – 1 = L

So, CLAIM is coded as BKZHL.

Hence, the **first option** is correct.

Q. 5 **Directions:** If LONDON is coded as MPOEPO. What is the code for DELHI?

Option 1:
EFIMJ

Option 2:
EFMIJ

Option 3:
HLDEI

Option 4:
DEHLI

Correct Answer:
EFMIJ

Solution:
Given:
LONDON is coded as MPOEPO.

For the word LONDON→L + 1 = M; O + 1 = P; N + 1 = O; D + 1 = E; O + 1 = P; N + 1 = O
Similarly, for the word DELHI→D + 1 = E; E + 1 = F; L + 1 = M; H + 1 = I; I + 1 = J
So, DELHI is coded as EFMIJ.

Hence, the **second option** is correct.

Q. 6 **Directions:** In a certain code language, PHONE is written as RJQPG. How is STAMP written in that code language?

Option 1:
UVCOR

Option 2:
CVCOS

Option 3:
UVDOR

Option 4:
UVCPS

Correct Answer:
UVCOR

Solution:
Given:
PHONE is written as RJQPG.

For the word PHONE→P + 2 = R; H + 2 = J; O + 2 = Q; N + 2 = P; E + 2 = G
Similarly, for the word STAMP→S + 2 = U; T + 2 = V; A + 2 = C; M + 2 = O; P + 2 = R
So, STAMP is coded as UVCOR.

Hence, the **first option** is correct.

Q. 7 **Directions:** In a certain code language, PEN is written as QFO. How is CAT written in that code language?

Option 1:
DBU

Option 2:
DCU

Option 3:
CBU

Option 4:
DBV

Correct Answer:
DBU

Solution:
Given:
PEN is written as QFO.

For the word PEN→P + 1 = Q; E + 1 = F; N + 1 = O
Similarly, for the word CAT → C + 1 = D; A + 1 = B; T + 1 = U
So, CAT is written as DBU.

Hence, the **first option** is correct.

Q. 8 **Directions:** In a certain code language, PHONE is written as NFMLC. How is POINT written in that code language?

Option 1:
NMGLR

Option 2:
NMGLS

Option 3:
NMHLR

Option 4:
NMHMR

Correct Answer:
NMGLR

Solution:
Given:
PHONE is written as NFMLC.

For the word PHONE→P – 2 = N; H – 2 = F; O – 2 = M; N – 2 = L; E – 2 = C
Similarly, for the word POINT→P – 2 = N; O – 2 = M; I – 2 = G; N – 2 = L; T – 2 = R
So, POINT is written as NMGLR.

Hence, the **first option** is correct.

Q. 9 **Directions:** In a certain code language, PHONE is written as QJRRJ. How is PAGER written?

Option 1:
QCJIW

Option 2:
QCJKW

Option 3:
QCKIW

Option 4:
QCKIY

Correct Answer:
QCJIW

Solution:
Given:
PHONE is written as QJRRJ.

Like, P + 1 = Q; H + 2 = J; O + 3 = R; N + 4 = R; E + 5 = J
So, PHONE is written as QJRRJ.

Similarly, P + 1 = Q; A + 2 = C; G + 3 = J; E + 4 = I; R + 5 = W
So, PAGER is written as QCJIW.

Hence, the **first option** is correct.

Q. 10 **Directions:** In a certain code language, HEALTJ is written as IDBKUI. How is WALKING written?

Option 1:
XZMJJMH

Option 2:
XZNJKMH

Option 3:
XZMIKMI

Option 4:
YZMJJMH

Correct Answer:
XZMJJMH

Solution:
Given:
HEALTJ is written as IDBKUI.

Like, H + 1 = I; E – 1 = D; A + 1 = B; L – 1 = K; T + 1 = U; J – 1 = I
So, HEALTJ is written as IDBKUI.

Similarly, W + 1 = X; A – 1 = Z; L + 1 = M; K – 1 = J; I + 1 = J; N – 1 = M; G + 1 = H
So, WALKING is written as XZMJJMH.

Hence, the **first option** is correct.

Q. 11 **Directions:** In a certain code language, STRAIGHT is written as VQUXLDKQ. How is ROSTER written?

Option 1:
ULVQHO

Option 2:
VLUQHN

Option 3:
UMVPHN

Option 4:
UMVPHO

Correct Answer:
ULVQHO

Solution:
Given:
STRAIGHT is written as VQUXLDKQ.

Like, S + 3 = V; T – 3 = Q; R + 3 = U; A – 3 = X; I + 3 = L; G – 3 = D; H + 3 = K; T – 3 = Q
So, STRAIGHT is related to VQUXLDKQ.

Similarly, R + 3 = U; O – 3 = L; S + 3 = V; T – 3 = Q; E + 3 = H; R – 3 = O
So, ROSTER is related to ULVQHO.

Hence, the **first option** is correct.

Q. 12 **Directions:** In a certain code language, QUESTION is written as JFVHGRLM, and ANSWER is written as ZMHDVI. How is PROBLEM written?

Option 1:
JHKYOVN

Option 2:
KIKXOVN

Option 3:
JHKXOUM

Option 4:
KILYOVN

Correct Answer:
KILYOVN

Solution:
Given:
QUESTION is written as JFVHGRLM, and ANSWER is written as ZMHDVI.

Opposite letter pairs of QUESTION –

LETTERS	Q	U	E	S	T	I	O	N
OPPOSITE LETTERS	J	F	V	H	G	R	L	M

So, QUESTION is written as JFVHGRLM.

Opposite letter pairs of ANSWER –

LETTERS	A	N	S	W	E	R
OPPOSITE LETTERS	Z	M	H	D	V	I

So, ANSWER is written as ZMHDVI.

Similarly, follow the same pattern for PROBLEM –

LETTERS	P	R	O	B	L	E	M
OPPOSITE LETTERS	K	I	L	Y	O	V	N

So, PROBLEM is written as KILYOVN.

Hence, the **fourth option** is correct.

Q. 13 **Directions:** In a certain code language, BIOLOGY is written as YRLOLTB. How is PHYSICS written in that code language?

Option 1:
KSXRBHH

Option 2:
KSBHRXH

Option 3:
XHRHBSK

Option 4:
KSBHXRH

Correct Answer:
KSBHRXH

Solution:
Given:
BIOLOGY is written as YRLOLTB.

Opposite letter pair of each letter of BIOLOGY –

LETTERS	B	I	O	L	O	G	Y
OPPOSITE LETTER PAIRS	Y	R	L	O	L	T	B

Thus, BIOLOGY is coded as YRLOLTB.
Similarly, follow the same pattern for PHYSICS –
Opposite letter pair of each letter of PHYSICS –

LETTERS	P	H	Y	S	I	C	S
OPPOSITE LETTER PAIRS	K	S	B	H	R	X	H

Thus, PHYSICS is coded as KSBHRXH. Hence, the **second option** is correct.

Q. 14 **Directions:** In a certain code language, RAIN is written as OHBQ. How is SUMMER written in that code language?

Option 1:
QFLNTT

Option 2:
QDLLTR

Option 3:
SFNNVT

Option 4:
SDNLVR

Correct Answer:
SDNLVR

Solution:
Given:
RAIN is written as OHBQ.

Subtract and add 1 alternatively from the place values of the letters of RAIN and then reverse their order to get the required code –
R – 1 = Q; A + 1 = B; I – 1 = H; N + 1 = O
Now, reverse the order→OHBQ

Thus, RAIN is coded as OHBQ.
Similarly, follow the same pattern for SUMMER –
S – 1 = R; U + 1 = V; M – 1 = L; M + 1 = N; E – 1 = D; R + 1 = S
Now, reverse the order→SDNLVR

Thus, SUMMER is coded as SDNLVR. Hence, the **fourth option** is correct.

Q. 15 **Directions:** In a certain code language, MATCH is written as NYWYM, and BOARD is written as CMDNI. How is PRINT written in that code language?

Option 1:
YJLPQ

Option 2:
ZIMOR

Option 3:
ROMIZ

Option 4:
QPLJY

Correct Answer:
QPLJY

Solution:

Given:
MATCH is written as NYWYM, and BOARD is written as CMDNI.

Add and subtract consecutive natural numbers alternatively to the place values of the letters in MATCH to get the required code –
M + 1 = N; A – 2 = Y; T + 3 = W; C – 4 = Y; H + 5 = M
Thus, MATCH is coded as NYWYM.
Likewise, add and subtract consecutive natural numbers alternatively to the place values of the letters in BOARD to get the required code –
B + 1 = C; O – 2 = M; A + 3 = D; R – 4 = N; D + 5 = I
Thus, BOARD is coded as CMDNI.
Similarly, follow the same pattern for PRINT –
P + 1 = Q; R – 2 = P; I + 3 = L; N – 4 = J; T + 5 = Y

Thus, PRINT is coded as QPLJY. Hence, the **fourth option** is correct.

Q. 16 **Directions:** In a certain code language, SPICEY is written as ELOUAY, and PONDER is written as JKLNAZ. How is HOUSED written in that code language?

Option 1:
QKDZAO

Option 2:
GNTRDC

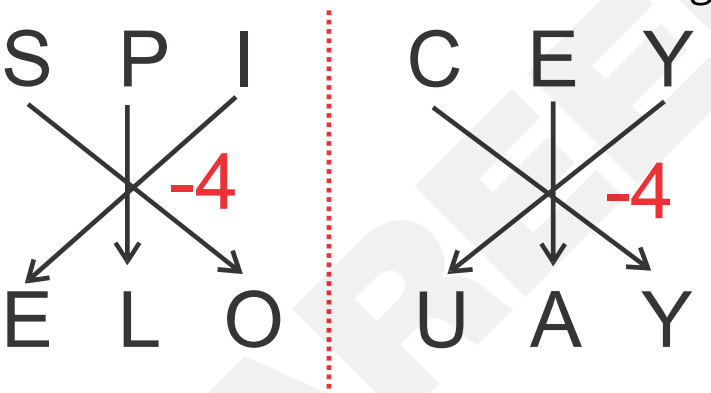
Option 3:
WQJFGU

Option 4:
DKQAOZ

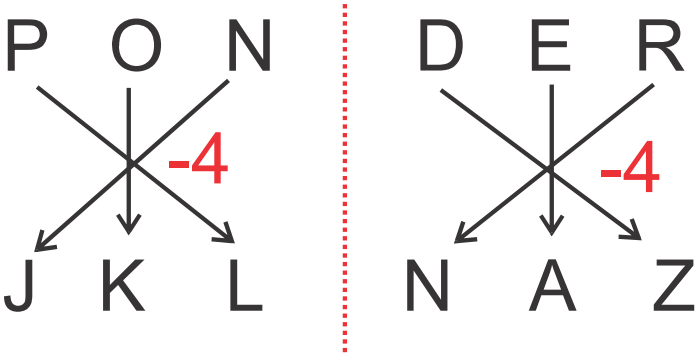
Correct Answer:
QKDZAO

Solution:
Given:
SPICEY is written as ELOUAY, and PONDER is written as JKLNAZ.

Divide the word SPICEY into two equal parts, i.e., (SPI) and (CEY), and then subtract 4 from each letter to get the required code –

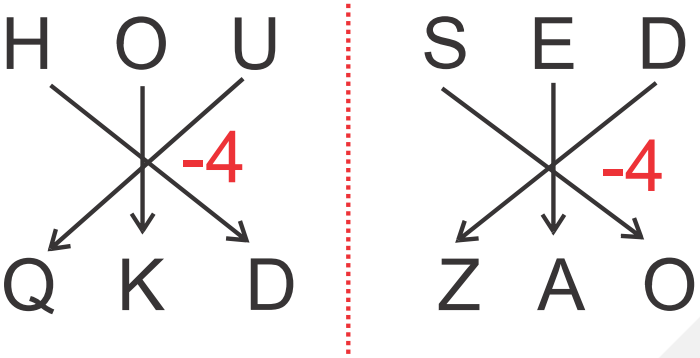


Thus, SPICEY is coded as ELOUAY.
Likewise, divide the word PONDER into two equal parts, i.e., (PON) and (DER), and then subtract 4 from each letter to get the required code –



Thus, PONDER is coded as JKLNAZ.

Similarly, follow the same pattern for HOUSED –



Thus, HOUSED is coded as QKDZAO. Hence, the **first option** is correct.

Q. 17 **Directions:** If MIGRANT is coded as LHFQZMS, how will GEL be coded?

Option 1:
QXK

Option 2:
FDK

Option 3:
IXZ

Option 4:
IFG

Correct Answer:
FDK

Solution:
Given:
MIGRANT is written as LHFQZMS.

Subtract 1 from each letter of MIGRANT to get the required code –
M – 1 = L; I – 1 = H; G – 1 = F; R – 1 = Q; A – 1 = Z; N – 1 = M; T – 1 = S
Thus, MIGRANT is coded as LHFQZMS.
Similarly, follow the same pattern for GEL –
G – 1 = F; E – 1 = D; L – 1 = K

Thus, GEL is coded as FDK. Hence, the **second option** is correct.

Q. 18 **Directions:** If PONDERS is coded as ONMCDQR, how will MAT be coded?

Option 1:
LZS

Option 2:
OLJ

Option 3:
AEG

Option 4:
LDZ

Correct Answer:
LZS

Solution:
Given:
PONDERS is written as ONMCDQR.

Subtract 1 from the place values of each letter of PONDERS to get the required code –
P – 1 = O; O – 1 = N; N – 1 = M; D – 1 = C; E – 1 = D; R – 1 = Q; S – 1 = R
Thus, PONDERS is coded as ONMCDQR.
Similarly, follow the same pattern for MAT –
M – 1 = L; A – 1 = Z; T – 1 = S

Thus, MAT is coded as LZS. Hence, the **first option** is correct.

Q. 19 **Directions:** If BOULDER is coded as ZMSJBCP, then how will ELK be coded?

Option 1:
XIG

Option 2:
EOC

Option 3:
CJI

Option 4:
BXM

Correct Answer:
CJI

Solution:
Given:
BOULDER is coded as ZMSJBCP.

Subtract 2 from the place values of each letter of BOULDER to get the code –
B – 2 = Z; O – 2 = M; U – 2 = S; L – 2 = J; D – 2 = B; E – 2 = C; R – 2 = P
Thus, BOULDER is coded as ZMSJBCP.
Similarly, follow the same pattern for ELK –
E – 2 = C; L – 2 = J; K – 2 = I

Thus, ELK is coded as CJI. Hence, the **third option** is correct.

Q. 20 **Directions:** If UNCOVER is coded as FMXLEVI, how will TIP be coded?

Option 1:
LTV

Option 2:
NQV

Option 3:
KHQ

Option 4:
GRK

Correct Answer:
GRK

Solution:
Given:
UNCOVER is coded as FMXLEVI.

Opposite letter pairs of the letters of UNCOVER –

LETTERS	U	N	C	O	V	E	R
OPPOSITE LETTER PAIRS	F	M	X	L	E	V	I

Thus, UNCOVER is coded as FMXLEVI.
Similarly, follow the same pattern for TIP –

LETTERS	T	I	P
OPPOSITE LETTER PAIRS	G	R	K

Thus, TIP is coded as GRK. Hence, the **fourth option** is correct.

Q. 21 **Directions:** If FLOTSAM is coded as UOLGHZN, how will PIN be coded?

Option 1:
KRM

Option 2:
GEH

Option 3:
OBI

Option 4:
DVW

Correct Answer:
KRM

Solution:
Given:
FLOTSAM is coded as UOLGHZN.

Opposite letter pairs of FLOTSAM –

LETTERS	F	L	O	T	S	A	M
OPPOSITE LETTER PAIRS	U	O	L	G	H	Z	N

Thus, FLOTSAM is coded as UOLGHZN.

Similarly, follow the same pattern for PIN –

Opposite letter pairs of PIN –

LETTERS	P	I	N
OPPOSITE LETTER PAIRS	K	R	M

Thus, PIN is coded as KRM. Hence, the **first option** is correct.

Q. 22 **Directions:** In a certain code language, EXAMINATION is written as ATIONNEXAMI. How is TENACIOUS written in that code language?

Option 1:
ISOUCANET

Option 2:
IOSUCTENA

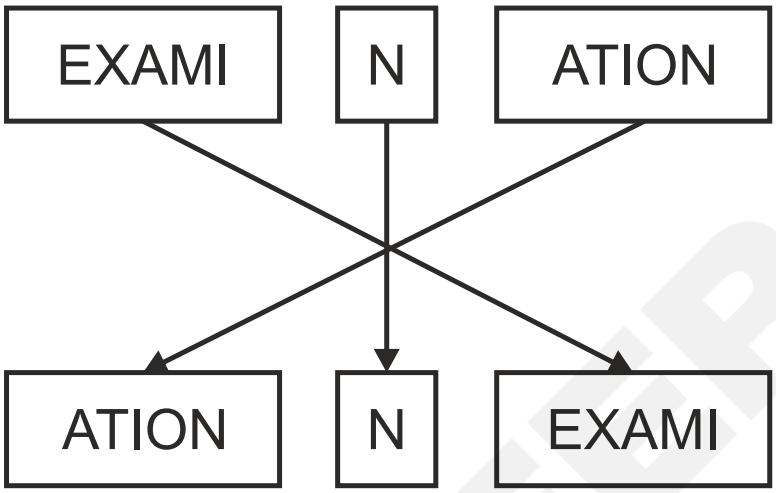
Option 3:
IOUSCTENA

Option 4:
IOUSTCENA

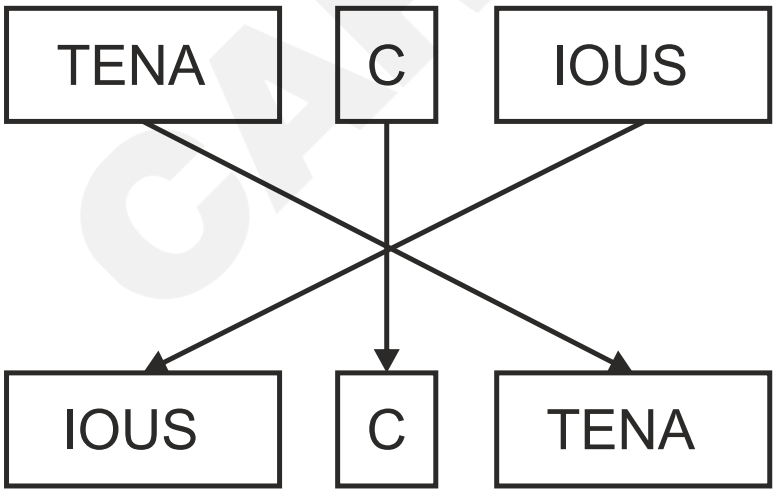
Correct Answer:
IOUSCTENA

Solution:
Given:
EXAMINATION is written as ATIONNEXAMI.

The letters before and after the middle letter N have interchanged places.



Similarly, for TENACIOUS, the middle letter is C.
Interchanging the positions of letters before and after the letter C, we get –



So, TENACIOUS can be written as IOUSCTENA in the code language.
Hence, the **third option** is correct.

Q. 23 **Directions:** In a certain code language, HAMMER is written as MAHERM. How is MATTER written in that code language?

Option 1:
TREMAT

Option 2:
TAMERT

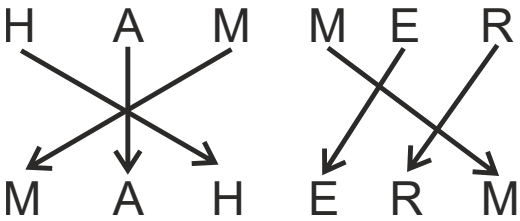
Option 3:
TAEMRT

Option 4:
TARMET

Correct Answer:
TAMERT

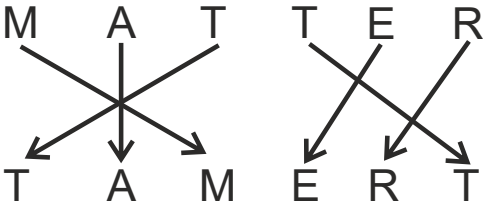
Solution:
Given:
HAMMER is written as MAHERM.

For HAMMER, the pattern is –



Thus, HAMMER is coded as MAHERM.

Similarly, for MATTER –



So. MATTER can be written as TAMERT in the code language. Hence, the **second option** is correct.

Q. 24 **Directions:** In a certain code language, VERBAL is written as KZAQDU. How is CURIOUS written in that code language?

Option 1:
RTHNQTB

Option 2:
BTQHNTR

Option 3:
RTNHQTB

Option 4:
RTNHQTA

Correct Answer:
RTNHQTB

Solution:
Given:
VERBAL is written as KZAQDU.

On reversing the letters of VERBAL, we get→LABREV
Subtracting 1 from the place value of the reversed letters, we get –
L – 1 = K; A – 1 = Z; B – 1 = A; R – 1 = Q; E – 1 = D; V – 1 = U
So, VERBAL is written as KZAQDU.
Similarly, for CURIOUS,
On reversing the letters of the word CURIOUS, we get→SUOIRUC
Subtracting 1 from the place value of the reversed letters, we get –
S – 1 = R; U – 1 = T; O – 1 = N; I – 1 = H; R – 1 = Q; U – 1 = T; C – 1 = B

So. CURIOUS is written as RTNHQTB in that code language. Hence, the **third option** is correct.

Q. 25 **Directions:** In a certain code language, PEPPER is written as @#@@#! and AIM is written as ^?*. How is PAMPER written in that code language?

Option 1:
@^*@#!

Option 2:
@*^@#!

Option 3:
@^*#@!

Option 4:
@^*@!#

Correct Answer:
@^*@#!

Solution:
Given:
PEPPER is written as @#@@#! and AIM is written as ^?*.

Each letter of the given word is represented by a symbol as shown below –
P→@; E→#; R→!; A→^; I→?; M→*
So, considering the above codes, the codes for each letter of PAMPER –
P→@; A→^; M→*; P→@; E→#; R→!

Thus, PAMPER is coded as @^*@#!. Hence, the **first option** is correct.

Q. 26 **Directions:** In a certain code language, SIGHT is written as @?*^! and ANT is written as #&!. How is NIGHT written in that code language?

Option 1:
&?*^!

Option 2:
&?*!^

Option 3:
&*?^!

Option 4:
?&*^!

Correct Answer:
&?*^!

Solution:
Given:
SIGHT is written as @?*^! and ANT is written as #&!.

Each alphabet of the given words is assigned a symbol. So, considering the above-given words, the codes for each letter are S→@; I→?; G→*; H→^; T→!; A→#; N→&

Thus, considering the above codes, NIGHT is coded as &?*^!. Hence, the **first option** is correct.

Q. 27 **Directions:** In a certain code language, GRAVYS is written as DUJVBY, and BUTLTS is written as WXEVWO. How is SPREAD written in that code language?

Option 1:
URTGCF

Option 2:
PMNBXA

Option 3:
VSUHDG

Option 4:
USVGDH

Correct Answer:
USVGDH

Solution:
Given:
The code for GRAVYS is DUJVBY and the code for BUTLTS is WXEVWO.

Divide the letters of GRAVYS into two parts, reverse the letters of the two parts, and add three to the place value of each of the letters –
GRA→ARG; VYS→SYV
A + 3 = D; R + 3 = U; G + 3 = J; S + 3 = V; Y + 3 = B; V + 3 = Y
Thus, GRAVYS is coded as DUJVBY.
Likewise, divide the letters of BUTLTS into two parts, reverse the letters of the two parts, and add three to the place value of each of the letters –
BUT→TUB; LTS→STL
T + 3 = W; U + 3 = X; B + 3 = E; S + 3 = V; T + 3 = W; L + 3 = O
Thus, BUTLTS is coded as WXEVWO.
Similarly, follow the same pattern for SPREAD –
SPR→RPS; EAD→DAE
R + 3 = U; P + 3 = S; S + 3 = V; D + 3 = G; A + 3 = D; E + 3 = H

So, SPREAD is coded as USVGDH. Hence, the **fourth option** is correct.

Q. 28 **Directions:** In a certain code language, BREAD is coded as RBBDA. How will PAINT be coded in the same language?

Option 1:
AFPTN

Option 2:
APLTN

Option 3:
NTFAP

Option 4:
APFTN

Correct Answer:
APFTN

Solution:
Given:
BREAD is coded as RBBDA.

Shuffle the position of the first and the second letters, and the fourth and the fifth letters, and subtract 3 from the place value of the third letter of BREAD to get the required code.
BREAD→R, B; E – 3 = B; D, A→RBBDA
So, BREAD is coded as RBBDA.
Similarly, follow the same pattern for PAINT –
PAINT→A, P; I – 3 = F; T, N→APFTN

So, PAINT is coded as APFTN. Hence, the **fourth option** is correct.

Q. 29 **Directions:** In a certain code language, UPSIDE is coded as NJNEAC. How will BRUNCH be coded in the same language?

Option 1:
TKOKYE

Option 2:
VMQKAG

Option 3:
WNRKBH

Option 4:
ULPJZF

Correct Answer:
ULPJZF

Solution:
Given:
UPSIDE is coded as NJNEAC.

Subtract consecutive natural numbers in decreasing order (starting from 7) from the place values of the letters of UPSIDE to get their codes –
UPSIDE→U – 7 = N; P – 6 = J; S – 5 = N; I – 4 = E; D – 3 = A; E – 2 = C
So, UPSIDE is coded as NJNEAC.
Similarly, follow the same pattern for BRUNCH –
B – 7 = U; R – 6 = L; U – 5 = P; N – 4 = J; C – 3 = Z; H – 2 = F

So, BRUNCH is coded as ULPJZF. Hence, the **fourth option** is correct.

Q. 30 **Directions:** In a certain code language, FABRIC is written as GZCQJA, and BITTER is written as CHUSFQ. How will ANIMAL be written in that language?

Option 1:
CNJMCL

Option 2:
CMIMBJ

Option 3:
ANINCL

Option 4:
BMJLBK

Correct Answer:
BMJLBK

Solution:
Given:
FABRIC is written as GZCQJA, and BITTER is written as CHUSFQ.

Add and subtract 1 alternately from the place values of the letters of FABRIC, to get the required code –
F + 1 = G, A – 1 = Z, B + 1 = C, R – 1 = Q, I + 1 = J, B – 1 = A
Thus, FABRIC is coded as GZCQJB.

And in, BITTER is written as CHUSFQ –
B + 1 = C, I – 1 = H, T + 1 = U, T – 1 = S, E + 1 = F, R – 1 = Q
Thus, BITTER is coded as CHUSFQ.
Similarly, follow the same pattern for ANIMAL→
A + 1 = B, N – 1 = M, I + 1 = J, M – 1 = L, A + 1 = B, L – 1 = K

Thus, ANIMAL is coded as BMJLBK. Hence, the **fourth option** is correct.

Q. 31 **Directions:** In a certain code language, CERTAIN is written as ECTRCGP, and DIGITAL is written as FGIGVYN. How will FACTORY be written in that language?

Option 1:
HYERQPA

Option 2:
HCEVQTA

Option 3:
HYPERPA

Option 4:
HYERRPA

Correct Answer:
HYERQPA

Solution:
Given:
The code for CERTAIN is ECTRCGP and the code for DIGITAL is FGIGVYN.

Add and subtract 2 alternatively from the place values of each letter of CERTAIN, to get the code –
C + 2 = E; E – 2 = C; R + 2 = T; T – 2 = R; A + 2 = C; I – 2 = G; N + 2 = P
Thus, CERTAIN is coded as ECTRCGP.
And in, DIGITAL is coded as FGIGVYN –
D + 2 = F; I – 2 = G; G + 2 = I; I – 2 = G; T + 2 = V; A – 2 = Y; L + 2 = N
Thus, DIGITAL is coded as FGIGVYN.
Similarly, follow the same pattern for FACTORY→
F + 2 = H; A – 2 = Y; C + 2 = E; T – 2 = R; O + 2 = Q; R – 2 = P; Y + 2 = A→HYERQPA

Thus, FACTORY is coded as HYERQPA. Hence, the **first option** is correct.

Q. 32 **Directions:** In a certain code language, REMOTE is written as KYSPGS,
and BRAND is written as IRDTC. How is MOBILE written in that code language?

Option 1:
FMJCPN

Option 2:
KQMEQN

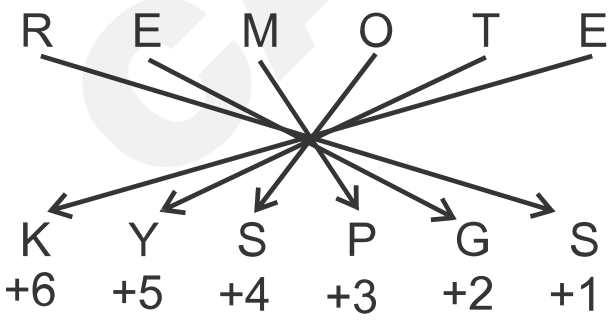
Option 3:
DKHANL

Option 4:
DMHCNN

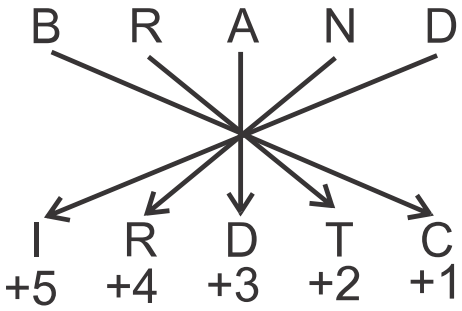
Correct Answer:
KQMEQN

Solution:
Given:
REMOTE is written as KYSPGS and BRAND is written as IRDTC.

Add consecutive natural numbers and then reverse the order of letters of REMOTE, to obtain the required code –

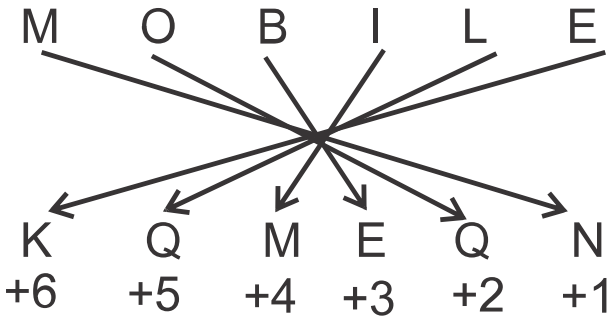


Thus, REMOTE is written as KYSPGS.
And in, BRAND is written as IRDTC –



Thus, BRAND is written as IRDTC.

Similarly, follow the same pattern for MOBILE –



Thus, MOBILE is written as KQMEQN in the code language. Hence, the **second option** is correct.

Q. 33 **Directions:** In a certain code language, HISTORY is written as XQNSRHI. How is ETHICS written in that code language?

Option 1:
DSGHBR

Option 2:
RBHGSF

Option 3:
RBHDSG

Option 4:
GSDRBH

Correct Answer:
RBHGSF

Solution:
Given:
HISTORY is written as XQNSRHI.

By reversing the order of the letters of HISTORY, we get YROTSIH.
Subtract 1 from each letter of the above-reversed letter cluster and add 1 only to the last letter –
Y – 1 = X; R – 1 = Q; O – 1 = N; T – 1 = S; S – 1 = R; I – 1 = H; H + 1 = I
Thus, HISTORY is written as XQNSRHI.
Similarly, follow the same pattern for ETHICS –
By reversing the order of the letters of ETHICS, we get SCIHTE.
Subtract 1 from each letter of the above-reversed letter cluster and add 1 only to the last letter –
S – 1 = R; C – 1 = B; I – 1 = H; H – 1 = G; T – 1 = S; E + 1 = F

So, ETHICS is written as RBHGSF. Hence, the **second option** is correct.

Q. 34 **Directions:** In a certain code language, CHORUS is coded as UVTPJD, and ANTHEM is coded as OFJUPB. How will VOLUME be coded in the same language?

Option 1:
GNXMPW

Option 2:
GNWNPW

Option 3:
HMWNPV

Option 4:
GNWMQW

Correct Answer:
GNWMQW

Solution:
Given:
CHORUS is coded as UVTPJD and ANTHEM is coded as OFJUPB

Add 1 and 2 alternatively to the place value of the letters and the word formed is written in the reverse order to obtain the required code.
CHORUS→C + 1 = D; H + 2 = J; O + 1 = P; R + 2 = T; U + 1 = V; S + 2 = U

= DJPTVU; Now reverse the obtained word = UVTPJD
Thus, CHORUS is coded as UVTPJD.
ANTHEM→A + 1 = B; N + 2 = P; T + 1 = U; H + 2 =J; E + 1 = F; M + 2 = O = BPUJFO; Now reverse the obtained word = OFJUPB
Thus, ANTHEM is coded as OFJUPB.
Similarly, VOLUME→V + 1 = W; O + 2 = Q; L + 1 = M; U + 2 = W; M + 1 = N; E + 2 = G = WQMWNG; Now reverse the obtained word = GNWMQW

So, VOLUME is coded as GNWMQW. Hence, the **fourth option** is correct.

Q. 35 **Directions:** In a certain code language, BIND is coded as 9214 and DRIB is coded as 4109. What is the code for N in the given code language?

Option 1:
4

Option 2:
2

Option 3:
1

Option 4:
9

Correct Answer:
2

Solution:
Given:
BIND is coded as 9214 and DRIB is coded as 4109.

Analyse the codes for BIND and DRIB.
Here, the common alphabets of BIND and DRIB→B, I, D
And, common numbers→4, 1, 9
Therefore, the remaining letter in BIND is N and the remaining number is 2.

So, the code of N is 2. Hence, the **second option** is correct.

Q. 36 **Directions:** In a certain code language, TELEVISION is written as UDMDWKQKMP and PUNISHMENT is written as QTOHTJKGLV. How will HELICOPTER be written in that language?

Option 1:
IDMHDQCVNT

Option 2:
IDMHQDVNCT

Option 3:
IDMHDQNVCT

Option 4:
IDMHDQVCNT

Correct Answer:
IDMHDQNVCT

Solution:
Given:
TELEVISION is coded as UDMDWKQKMP
PUNISHMENT is coded as QTOHTJKGLV

Add and subtract 1 alternatively from the place values of the first 5 letters, and add and subtract 2 alternatively from the place values of the remaining letters.
Like, TELEVISION ⇒ T + 1 = U; E – 1 = D; L + 1 = M; E – 1 = D; V + 1 = W; I + 2 = K; S – 2 = Q; I + 2 = K; O – 2 = M; N + 2 = P
Thus, TELEVISION is coded as UDMDWKQKMP.
And, PUNISHMENT ⇒ P + 1 = Q; U – 1 = T; N + 1 = O; I – 1 = H; S + 1 = T; H + 2 = J; M – 2 = K; E + 2 = G; N – 2 = L; T + 2 = V
Thus, PUNISHMENT is coded as QTOHTJKGLV.
Similarly, HELICOPTER ⇒ H + 1 = I; E – 1 = D; L + 1 = M; I – 1 = H; C + 1 = D; O + 2 = Q; P – 2 = N; T + 2 = V; E – 2 = C; R + 2 = T

So, HELICOPTER is coded as IDMHDQNVCT. Hence, the **third option** is correct.

Q. 37 **Directions:** In a certain code language, PUBLIC is written as TIEIUY, and SERVER is written as WEUSEN. How will DIRECT be written in that language?

Option 1:
HCUBIP

Option 2:
PICBUH

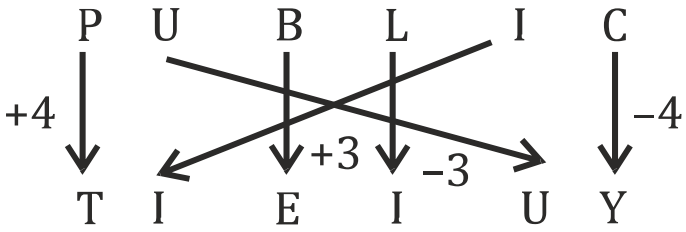
Option 3:
HICBUP

Option 4:
PCUBIH

Correct Answer:
HCUBIP

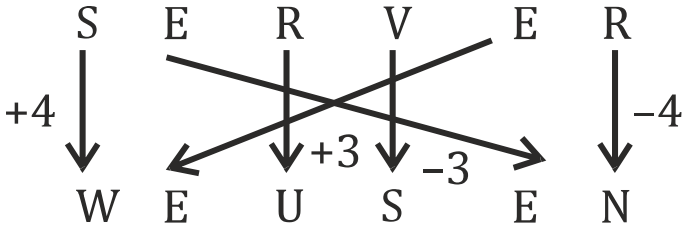
Solution:
Given:
PUBLIC is written as TIEIUY and SERVER is written as WEUSEN.

For PUBLIC –



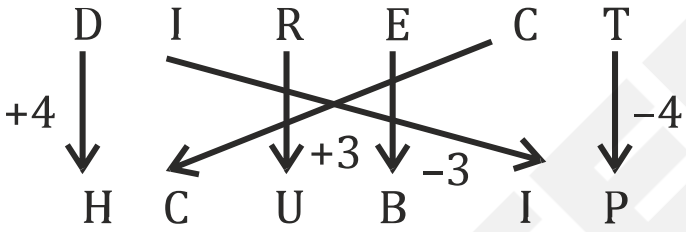
Thus, PUBLIC is coded as TIEIUY.

Likewise, for SERVER –



So, SERVER is coded as WEUSEN.

Similarly, follow the same pattern for DIRECT –



So, DIRECT is coded as HCUBIP in the code language. Hence, the **first option** is correct.

Q. 38 **Directions:** In a certain code language, APRIL is coded as CSTLN, and MARCH is coded as ODTFJ. How will JUNE be coded in that language?

Option 1:

KWPH

Option 2:
KXPH

Option 3:
LXPH

Option 4:
LWPI

Correct Answer:
LXPH

Solution:
Given:
APRIL is coded as CSTLN, and MARCH is coded as ODTFJ.

Add 2 and 3 alternatively to the place values of the letters of APRIL and MARCH to obtain the required code —
A + 2 = C; P + 3 = S; R + 2 = T; I + 3 = L; L + 2 = N
Thus, APRIL is coded as CSTLN.
M + 2 = O; A + 3 = D; R + 2 = T; C + 3 = F; H + 2 = J
Thus, MARCH is coded as ODTFJ.
Similarly, follow the same pattern for JUNE; J + 2 = L; U + 3 = X; N + 2 = P; E + 3 = H

So, JUNE is coded as LXPH. Hence, the **third option** is correct.

Q. 39 **Directions:** In a certain code language, PLACE is written as CONHA, and SHOCK is written as QKQNA. How will FROWN be written in that language?

Option 1:
QUDQU

Option 2:
RVRST

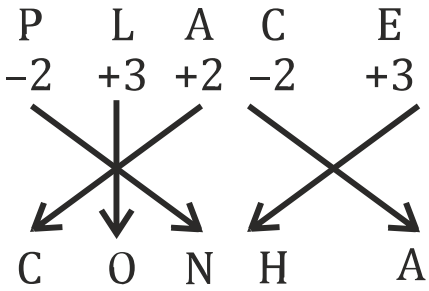
Option 3:
RUSRT

Option 4:
QVQDU

Correct Answer:
QUDQU

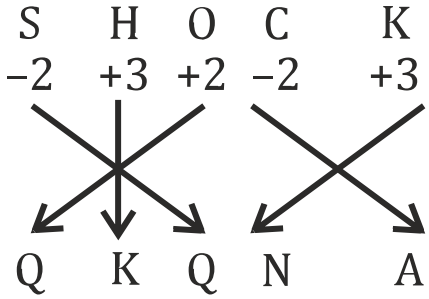
Solution:
Given:
PLACE is written as CONHA, and SHOCK is written as QKQNA.

The pattern followed here is –



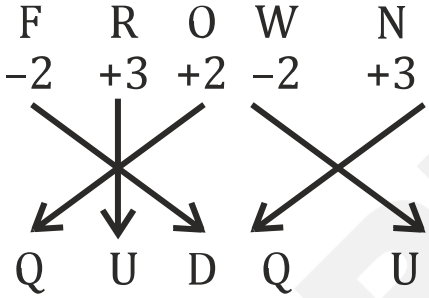
Thus, PLACE is coded as CONHA.

Likewise, for SHOCK –



Thus, SHOCK is coded as QKQNA.

Similarly, follow the same for FROWN –



Thus, FROWN is coded as QUDQU. Hence, the **first option** is correct.

Q. 40 **Directions:** In a certain code language, if PDFJARS is written as OCELZQR and MHCXBTU is written as LGBZAST, how will ZVDGENQ be written in the same code language?

Option 1:
XUYCIMP

Option 2:
YUCIDMP

Option 3:
XUCDEMQ

Option 4:
XVDEDNO

Correct Answer:
YUCIDMP

Solution:
Given:
PDFJARS is written as OCELZQR.
MHCXBTU is written as LGBZAST.

Subtract 1 from the place values of the letters except the middle one; add 2 to the place value of the letter in the middle of the given word.
Like, PDFJARS→P – 1 = O; D – 1 = C; F – 1 = E; J + 2 = L; A – 1 = Z; R – 1 = Q; S – 1 = R
And, MHCXBTU→M – 1 = L; H – 1 = G; C – 1 = B; X + 2 = Z; B – 1 = A; T – 1 = S; U – 1 = T
Similarly, ZVDGENQ→Z – 1 = Y; V – 1 = U; D – 1 = C; G + 2 = I; E – 1 = D; N – 1 = M; Q – 1 = P

So, from the above, ZVDGENQ can be written as YUCIDMP in the code language. Hence, the **second option** is correct.

Q. 41 **Directions:** In a certain code language, PLIERS is coded as MMAFJO, and SHOVEL is coded as FZRLFR. How will WRENCH be coded in the same language?

Option 1:
CXJBQU

Option 2:
BXJBPV

Option 3:
BXJBQU

Option 4:
CXIBPV

Correct Answer:
BXJBPV

Solution:
Given:
PLIERS is coded as MMAFJO and SHOVEL as FZRLFR.

Like, PLIERS; PLIERS→SREILP (Reverse the letters); S – 6 = M; R – 5 = M; E – 4 = A; I – 3 = F; L – 2 = J; P – 1 = O
And, SHOVEL; SHOVEL→LEVOHS; L – 6 = F; E – 5 = Z; V – 4 = R; O – 3 = L; H – 2 = F; S – 1 = R
Similarly, follow the same pattern for WRENCH→HCNERW; H – 6 = B; C – 5 = X; N – 4 = J; E – 3 = B; R – 2 = P; W – 1 = V

So, WRENCH is coded as BXJBPV. Hence, the **second option** is correct.

Q. 42 **Directions:** In a certain code language, SPIT is coded as USKW, and COPY is coded as ERRB. How will MOCK be coded in that language?

Option 1:
OQEN

Option 2:
PREN

Option 3:
PQEN

Option 4:
OREN

Correct Answer:
OREN

Solution:
Given:
SPIT is coded as USKW and COPY is codded as ERRB.

Add 2 and 3 alternatively to the place value of each letter of SPIT and COPY to get the required code.
SPIT→S + 2 = U; P + 3 = S; I + 2 = K; T + 3 = W
Thus, SPIT is coded as USKW.
COPY→C + 2 = E; O + 3 = R; P + 2 = R; Y + 3 = B
Thus, COPY is coded as ERRB.
Similarly, follow the same pattern for MOCK→M + 2 = O; O + 3 = R; C + 2 = E; K + 3 = N

So, MOCK is coded as OREN. Hence, the **fourth option** is correct.

Q. 43 **Directions:** In a language FIFTY is written as CACTY, CAR as POL, TAR as TOL how can TARIFF be written in that language?

Option 1:
TOEFDD

Option 2:
TOEFEL

Option 3:
TOLACC

Option 4:
TOLADD

Correct Answer:
TOLACC

Solution:
Given:
FIFTY is written as CACTY, CAR is written as POL and TAR is written as TOL.

Like in, FIFTY is written as CACTY –

F	I	F	T	Y
C	A	C	T	Y

And in, CAR is written as POL –

C	A	R
P	O	L

And in, TAR is written as TOL –

T	A	R
T	O	L

Similarly, TARIFF is written as –

T	A	R	I	F	F
T	O	L	A	C	C

So, the word TARIFF would be coded as TOLACC**.** Hence, the **third option** is correct.

Q. 44 **Directions:** A group of alphabets is given with each being assigned a number. These have to be unscrambled into a meaningful word and the correct order of the letters may be indicated from the given responses.

E	R	D	I	S	P
(i)	(ii)	(iii)	(iv)	(v)	(vi)

Option 1:
(v), (iv), (vi), (i), (ii), (iii)

Option 2:
(vi), (v), (iv), (ii), (iii), (i)

Option 3:
(ii), (iii), (iv), (v), (vi), (i)

Option 4:
(v), (vi), (iv), (iii), (i), (ii)

Correct Answer:
(v), (vi), (iv), (iii), (i), (ii)

Solution:
Given:

E	R	D	I	S	P
(i)	(ii)	(iii)	(iv)	(v)	(vi)

Let's check each option –
First option: (v), (iv), (vi), (i), (ii), (iii)→SIPERD, not a meaningful word.
Second option: (vi), (v), (iv), (ii), (iii), (i)→PSIRDE, not a meaningful word.
Third option: (ii), (iii), (iv), (v), (vi), (i)→RDISPE, not a meaningful word.
Fourth option: (v), (vi), (iv), (iii), (i), (ii)→SPIDER, meaningful word.

Hence, the **fourth option** is correct.

Q. 45 **Directions:** Which of the following terms will replace the question mark (?) in the given series?
CM, EP, GO, IS, KQ, MV, OS, ?

Option 1:
PY

Option 2:
QY

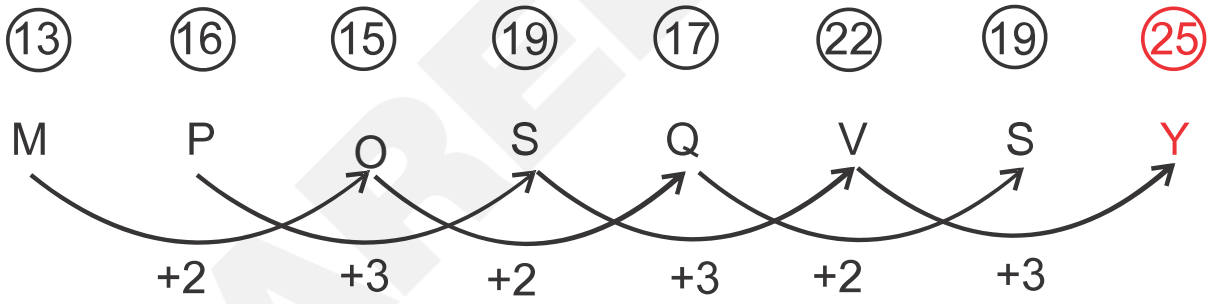
Option 3:
QZ

Option 4:
QX

Correct Answer:
QY

Solution:
Given:
CM, EP, GO, IS, KQ, MV, OS, ?

Add 2 to the place value of the first letter of the previous term to obtain the first letter of the next term.
C + 2 = E; E + 2 = G; G + 2 = I; I + 2 = K; K + 2 = M; M + 2 = O; O + 2 = Q
For the second letter of each term, add 2 and 3 alternatively to the place value of the letter of the previous term to get the second letter of the next term.



So, QY is the missing term of the series. Hence, the **second option** is correct.

Q. 46 **Directions:** In a certain code language, FARM is coded as HDTP, and EGGS is coded as GJIV. How will FOOD be coded in the same language?

Option 1:
HQQG

Option 2:
GRQH

Option 3:
HRQG

Option 4:
HQRG

Correct Answer:
HRQG

Solution:
Given:
FARM is coded as HDTP.
EGGS is coded as GJIV.

Add 2 and 3 alternatively to the place value of each letter of FARM and EGGS to get their codes –
FARM→F + 2 = H; A + 3 = D; R + 2 = T; M + 3 = P
Thus, FARM is written as HDTP in the code language.
EGGS→E + 2 = G; G + 3 = J; G + 2 = I; S + 3 = V
Thus, EGGS is written as GJIV in the code language.
Similarly, follow the same pattern for FOOD –
F + 2 = H; O + 3 = R; O + 2 = Q; D + 3 = G

So, FOOD is coded as HRQG in the code language. Hence, the **third option** is correct.

Q. 47 **Directions:** Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.
COMFORT : FMOCTRO :: DIGNITY : NGIDYTI :: FOREIGN : ?

Option 1:
EROFNGI

Option 2:
ROFNGIE

Option 3:
EROFIGN

Option 4:
EFORNGI

Correct Answer:
EROFNGI

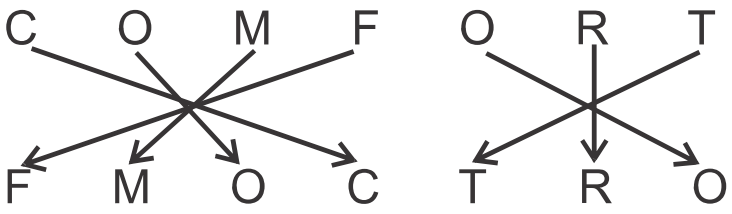
Solution:

Given:

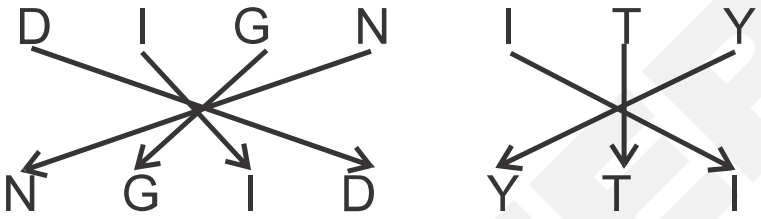
COMFORT : FMOCTRO :: DIGNITY : NGIDYTI :: FOREIGN : ?

Here, the positions of the letters are being shuffled as per the below pattern –

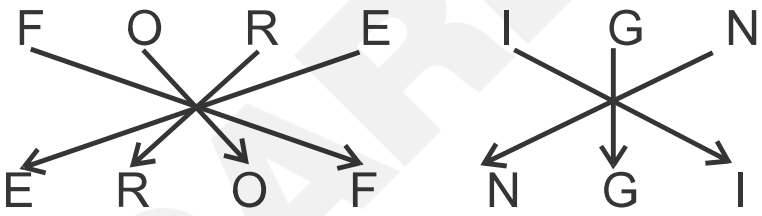
For COMFORT : FMOCTRO→



For DIGNITY : NGIDYTI→



Similarly, for FOREIGN→



So, from the above, FOREIGN can be written as EROFNGI in the code language. Hence, the **first option** is correct.

Q. 48 **Directions:** If MUSTARD is written as 132119201184, how is PROFUSE written in that code?

Option 1:
16815621195

Option 2:
16181562195

Option 3:
16181521195

Option 4:
161815621195

Correct Answer:
161815621195

Solution:
Given:
MUSTARD ⇒ 132119201184
PROFUSE ⇒ ?

The place value of MUSTARD is –

M	U	S	T	A	R	D
13	21	19	20	1	18	4

Thus, MUSTARD is coded as 132119201184.

Similarly, follow the same pattern for PROFUSE –

P	R	O	F	U	S	E

16	18	15	6	21	19	5

So, PROFUSE will be written as 161815621195 in the code language.
Hence, the **fourth option** is correct.

Q. 49 **Directions:** If PAINT is coded as 74128 and EXCEL is coded as 93596, how is ACCEPT coded?

Option 1:
457958

Option 2:
459758

Option 3:
455978

Option 4:
459578

Correct Answer:
455978

Solution:
Given:
PAINT is coded as 74128 and EXCEL is coded as 93596.

Each letter of the word is assigned with a different code number. Like, PAINT is coded as 74128 –

P	A	I	N	T
7	4	1	2	8

And, EXCEL is coded as 93596 –

E	X	C	E	L
9	3	5	9	6

Now, by matching the letters of the word ACCEPT with the above-given words, the code for ACCEPT will be written as –

A	C	C	E	P	T
4	5	5	9	7	8

So, ACCEPT will be written as 455978 in the code language. Hence, the **third option** is correct.

Q. 50 **Directions:** If the letters in PRABA are coded as 27595 and THILAK is coded as 368451, how can BHARATHI be coded?

Option 1:
96575368

Option 2:
57686535

Option 3:
96855368

Option 4:
37536689

Correct Answer:
96575368

Solution:
Given:
PRABA is coded as 27595 and THILAK is coded as 368451.

The letters of the PRABA are coded with equivalent numbers given in the question –

P	R	A	B	A
2	7	5	9	5

Thus, PRABHA is coded as 27595.
And, THILAK is coded as 368451 –

T	H	I	L	A	K
3	6	8	4	5	1

Thus, THILAK is coded as 368451.
The common letters in PRABA and THILAK are coded with the same letter. Also, the letters of the word BHARATHI are available in the given words PRABA and THILAK. So, the letters of BHARATHI will be coded as the same as these two words.
So, the code for BHARATHI is –

B	H	A	R	A	T	H	I

9	6	5	7	5	3	6	8

Thus, BHARATHI is coded as 96575368. Hence, the **first option** is correct.

Q. 51 **Directions:** If GECA means 8642, then HFBD means?

Option 1:
9735

Option 2:
7953

Option 3:
7935

Option 4:
5379

Correct Answer:
9735

Solution:
Given:
GECA means 8642.

Add one to the positional value of each letter of GECA, to get the required code –
G (7) + 1 = 8; E (5) + 1 = 6; C (3) + 1 = 4; A (1) + 1 = 2

Thus, GECA is coded as 8642.
Similarly, follow the same pattern for HFBD –
H (8) + 1 = 9; F (6) + 1 = 7; B (2) + 1 = 3; D (4) + 1 = 5

So, HFBD is coded as 9735. Hence, the **first option** is correct.

Q. 52 **Directions:** In a code language, the following alphabets are coded in a particular way as shown. How are the given letters coded in that language?

S	A	C	L	E	D	X	Q	W	J
6	1	0	9	4	7	5	2	8	3

DEXSAJ

Option 1:
754613

Option 2:
745163

Option 3:
746513

Option 4:
745613

Correct Answer:
745613

Solution:
Given:

S	A	C	L	E	D	X	Q	W	J
6	1	0	9	4	7	5	2	8	3

Code for DEXSAJ; D = 7; E = 4; X = 5; S = 6; A = 1; J = 3

So, DEXSAJ can be coded as 745613. Hence, the **fourth option** is correct.

Q. 53 **Directions:** In a code language, the following alphabets are coded in a particular way as shown.

A	C	N	P	R	M	D	Y	Z	Q
4	9	0	6	2	1	7	8	3	5

How are the given letters coded in that language?
QRCYNPD

Option 1:
5298067

Option 2:
5298061

Option 3:
5984067

Option 4:
5298306

Correct Answer:
5298067

Solution:
Given:

A	C	N	P	R	M	D	Y	Z	Q
4	9	0	6	2	1	7	8	3	5

Here, each letter has a unique code.
Now, the code for QRCYNPD –
Q = 5; R = 2; C = 9; Y = 8; N = 0; P = 6; and D = 7

So, the code for QRCYNPD is 5298067. Hence, the **first option** is correct.

Q. 54 **Directions**: If NASCENT is written as 2734526, how is SENTENCE written in that code?

Option 1:
35265235

Option 2:
35256245

Option 3:
35265245

Option 4:
35256275

Correct Answer:
35265245

Solution:
Given:
The code for NASCENT is 2734526.

Each letter of the word NASCENT is assigned a code number –
N→2; A→7; S→3; C→4; E→5; N→2; T→6
All the letters of SENTENCE are present in the given word NASCENT.
So, based on the above-assigned codes of the letters, the letters of the SENTENCE will be coded as –
S→3; E→5; N→2; T→6; E→5; N→2; C→4; E→5

So, the code for SENTENCE is 35265245. Hence, the **third option** is correct.

Q. 55 **Directions:** In a certain code language, BFGD is written as IMNK, and PTUR is written as WABY. How will GKLI be written in that language?

Option 1:
NRSO

Option 2:
NRSP

Option 3:
MRSO

Option 4:
MRSP

Correct Answer:
NRSP

Solution:
Given:
BFGD is written as IMNK and PTUR is written as WABY.

Add 7 to the place value of each letter of BFGD, to get their codes –
B + 7 = I; F + 7 = M; G + 7 = N; D + 7 = K
Thus, BFGD is coded as IMNK.
And, PTUR is written as WABY –

P + 7 = W; T + 7 = A; U + 7 = B; R + 7 = Y
Thus, PTUR is coded as WABY.
Similarly, follow the same pattern for GKLI –
G + 7 = N; K + 7 = R; L + 7 = S; I + 7 = P

Thus, GKLI is coded as NRSP. Hence, the **second option** is correct.

Q. 56 **Directions:** If A = 1, E = 5, then HEAR = ?

Option 1:
38

Option 2:
32

Option 3:
31

Option 4:
30

Correct Answer:
32

Solution:
Given:
A = 1 and E = 5

The place value of A is 1 and E is 5.
Thus, A is coded as 1 and E is coded as 5.
Add the place value of the letters HEAR, to get the required code –
Place value of HEAR; H→8; E→5; A→1; R→18
Now, add the place value of the letters of HEAR→8 + 5 + 1 + 18 = 32

Thus, HEAR is coded as 32. Hence, the **second option** is correct.

Q. 57 **Directions:** In a certain code language BLADE is written as CKBCF, and CHALK is written as DGBKL. How will DIGITAL be written in that language?

Option 1:
FHGHVZN

Option 2:
EHHHUZM

Option 3:
FGGHVYN

Option 4:
EGHGWYM

Correct Answer:
EHHHUZM

Solution:

Given:

BLADE is written as CKBCF, and CHALK is written as DGBKL.

Add and subtract 1 alternatively to the place value of the letters of the word BLADE to find the required code –

B + 1= C; L – 1 = K; A + 1 = B; D – 1 = C; E + 1 = F

Thus, BLADE is coded as CKBCF.

And, CHALK is written as DGBKL –

C + 1 = D; H – 1 = G; A + 1 = B; L – 1 = K; K + 1 = L

Thus, CHALK is coded as DGBKL.

Similarly, follow the same pattern for DIGITAL –

D + 1 = E; I – 1 = H; G + 1 = H; I – 1 = H; T + 1 = U; A – 1 = Z; L + 1 = M

Thus, the code for DIGITAL is EHHHUZM. Hence, the **second option** is correct.

Q. 58 **Directions:** In a code language, the following alphabets are coded in a particular way.

A B I C D E F G H O P R S T U

Which word can be decoded from the following?

Option 1:

BOAST

Option 2:
TOAST

Option 3:
GHOST

Option 4:
TASTE

Correct Answer:
BOAST

Solution:
Given:

A B I C D E F G H O P R S T U

Here, all the letters are coded with the equivalent code given in the question.
Therefore,

B O A S T

Thus, the decoded word is BOAST. Hence, the **first option** is correct.

Q. 59 **Directions:** If JUNE is written as PQRS, and AUGUST is written as WQFQMN. How can GUEST be written in the same coding language?

Option 1:
FPSMN

Option 2:
FQSMN

Option 3:
FQSNM

Option 4:
FQTMN

Correct Answer:
FQSMN

Solution:
Given:
JUNE is written as PQRS and AUGUST is written as WQFQMN.

Code the letters of the word JUNE with equivalent letters given in the code.
J→P; U→Q; N→R; E→S
Thus, JUNE is coded as PQRS.
And, AUGUST is written as WQFQMN.
A→W; U→Q; G→F; U→Q; S→M; T→N
Thus, AUGUST is coded as WQFQMN.
On observing the given words it is clear that all the letters of the

word GUEST are present in the given words JUNE and AUGUST. So, the codes for the letters of the word GUEST will be coded as the letters of the given words in the question.

Thus, the code for GUEST is FQSMN. Hence, the **second option** is correct.

Q. 60 **Directions:** If JACOB can be written as QZXLY, then KENDY can be written as _____.

Option 1:
PVWMA

Option 2:
PVMWB

Option 3:
PUMWB

Option 4:
PVMWA

Correct Answer:
PVMWB

Solution:
Given:
JACOB can be written as QZXLY –

Find out the opposite of each letter of a given term to obtain the code –
⇒ J and Q are opposite pairs; A and Z are opposite; C and X are opposite; O and L are opposite; B and Y are opposite.
Thus, JACOB is coded as QZXLY.
Similarly, follow the same pattern for KENDY –
⇒ K and P are opposite pairs; E and V are opposite; N and M are opposite; D and W are opposite; Y and B are opposite.

So, KENDY is coded as PVMWB. Hence, the **second option** is correct.

Q. 61 **Directions:** In a certain code KINDLE is written as ELDNIK. How can EXOTIC be written in that code?

Option 1:
EXIOTC

Option 2:
COXITE

Option 3:
CXOTIE

Option 4:
CITOXE

Correct Answer:
CITOXE

Solution:
Given:
KINDLE is written as ELDNIK.

Reverse the letters of KINDLE to obtain the required code –
Here, KINDLE is reversed then, we get ELDNIK.
Thus, KINDLE is coded as ELDNIK.
Similarly, follow the same pattern for EXOTIC –
Here, EXOTIC is reversed then, we get CITOXE.

So, EXOTIC is coded as CITOXE. Hence, the **fourth option** is correct.

Q. 62 **Directions:** If in a certain code language TEACHER is coded as QBXZEBO, then how is STUDENT coded in the same language?

Option 1:
PQRBAQK

Option 2:
PQRABKQ

Option 3:
PQRKBAQ

Option 4:
PRKQBAQ

Correct Answer:
PQRABKQ

Solution:
Given:
TEACHER is coded as QBXZEBO.

Subtract 3 from the place value of each letter of TEACHER, to obtain the required code –
T – 3 = Q, E – 3 = B, A – 3 = X, C – 3 = Z, H – 3 = E, E – 3 = B, R – 3 = O
Thus, TEACHER is coded as QBXZEBO.
Similarly, follow the same pattern for STUDENT –
S – 3 = P, T – 3 = Q, U – 3 = R, D – 3 = A, E – 3 = B, N – 3 = K, T – 3 = Q

So, STUDENT is written as PQRABKQ. Hence, the **second option** is correct.

Q. 63 **Directions:** If FATHER is coded as FBTIES, what should be the code for the word SISTER?

Option 1:
TJTUFS

Option 2:
SHSSEQ

Option 3:
SKSVET

Option 4:
SJSUES

Correct Answer:
SJSUES

Solution:
Given:
FATHER is coded as FBTIES.

Add 0 and 1 alternatively to the place value of each letter of FATHER, to obtain the required code –
F + 0 = F; A + 1 = B; T + 0 = T; H + 1 = I; E + 0 = E; R + 1 = S
Thus, FATHER is coded as FBTIES.
Similarly, follow the same pattern for SISTER –
S + 0 = S; I + 1 = J; S + 0 = S; T + 1 = U; E + 0 = E; R + 1 = S

Thus, SISTER is coded as SJSUES. Hence, the **fourth option** is correct.

Q. 64 **Directions:** In a certain code, CONVENTIONAL is written as NOCNEVOITLAN. How is ENTHRONEMENT in that code written?

Option 1:
TNEROHEMNNTE

Option 2:
TNEORHMENTNE

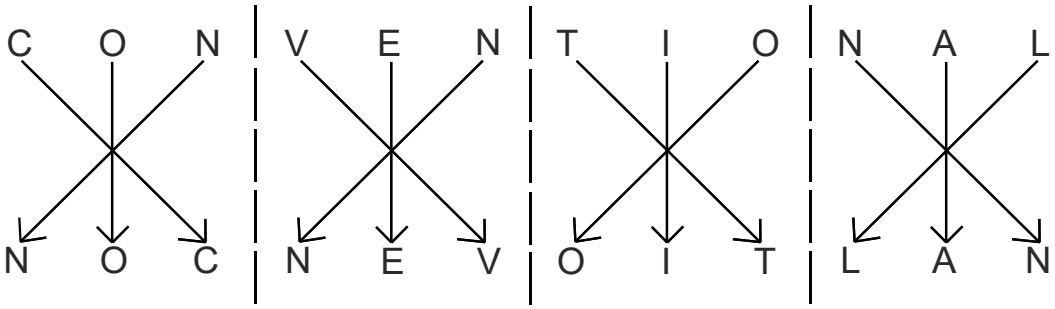
Option 3:
TNEORMETNHNE

Option 4:
TNEROHEMNTNE

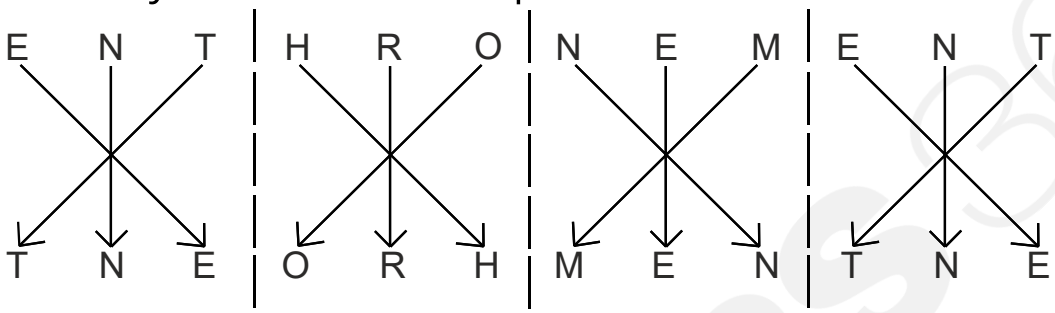
Correct Answer:
TNEORHMENTNE

Solution:
Given:
CONVENTIONAL is written as NOCNEVOITLAN.

Split the word CONVENTIONAL into four equal parts and reverse the order of the letters to obtain the required code –



Thus, CONVENTIONAL is coded as NOCNEVOITLAN.
Similarly, follow the same pattern for ENTHRONEMENT –



So, ENTHRONEMENT is coded as TNEORHMENTNE. Hence, the **second option** is correct.

Q. 65 **Directions:** If MOTHER is coded as TOMREH, what should be the code for the word NEPHEW?

Option 1:
ENHPEWE

Option 2:
PENWEH

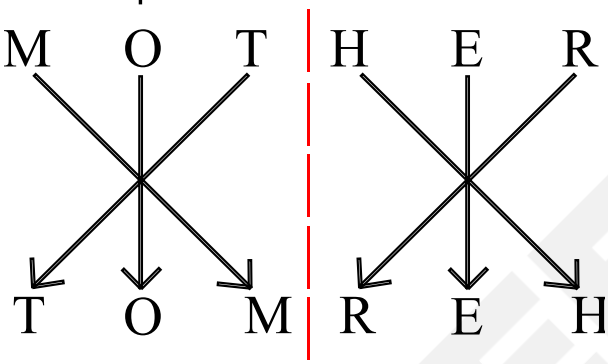
Option 3:
WEHPEN

Option 4:
HPENWE

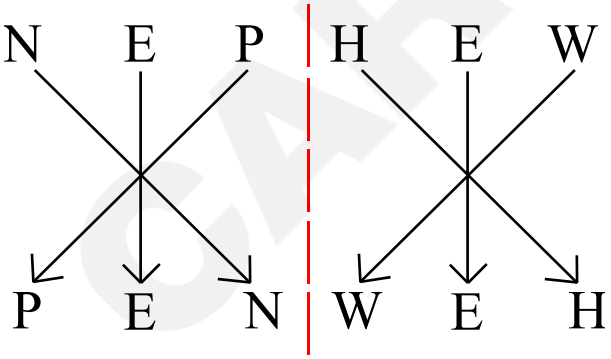
Correct Answer:
PENWEH

Solution:
Given:
MOTHER is coded as TOMREH.

Split the word into two halves and then reverse their order to obtain the required code –



Thus, MOTHER is coded as TOMREH.
Similarly, follow the same pattern for NEPHEW –



So, NEPHEW is coded as PENWEH. Hence, the **second option** is correct.

Q. 66 **Directions:** In a certain code language, PRAYER is coded as MOXVBO, then how SALUTE will be coded in the same language?

Option 1:
PXIRQB

Option 2:
PXIQRB

Option 3:
PIXQRB

Option 4:
PIXRQB

Correct Answer:
PXIRQB

Solution:
Given:
PRAYER is coded as MOXVBO.

Subtract 3 from the place value of each letter of PRAYER, to obtain the required code –
P – 3 = M; R – 3 = O; A – 3 = X; Y – 3 = V; E – 3 = B; R – 3 = O

Thus, PRAYER is coded as MOXVBO.
Similarly, follow the same pattern for SALUTE –
S – 3 = P; A – 3 = X; L – 3 = I; U – 3 = R; T – 3 = Q; E – 3 = B

So, SALUTE is coded as PXIRQB. Hence, the **first option** is correct.

Q. 67 **Directions:** In a certain code, MISCHIEF is written as NKVGMOLN, then how is RELIEVED written in that code?

Option 1:
SGOMJBLL

Option 2:
SFMJFWFE

Option 3:
SGOMJVED

Option 4:
SEOIJVLD

Correct Answer:
SGOMJBLL

Solution:
Given:
MISCHIEF is written as NKVGMOLN.

Add consecutive natural numbers to the place value of each letter of MISCHIEF, to obtain the required code –
M + 1 = N; I + 2 = K; S + 3 = V; C + 4 = G; H + 5 = M; I + 6 = O; E + 7 = L; F + 8 = N
Thus, MISCHIEF is coded as NKVGMOLN.
Similarly, follow the same pattern for RELIEVED –
R + 1 = S; E + 2 = G; L + 3 = O; I + 4 = M; E + 5 = J; V + 6 = B; E + 7 = L; D + 8 = L

Thus, RELIEVED is coded as SGOMJBLL. Hence, the **first option** is correct.

Q. 68 **Directions:** If the words MODERN and ORTHODOXY are coded as YOUNGS and OGBAOUOML respectively, then what is the code for METHOD?

Option 1:
YNBAOU

Option 2:
YNABOU

Option 3:
YNBOAU

Option 4:
YNBOUO

Correct Answer:
YNBAOU

Solution:
Given:
MODERN is coded as YOUNGS and ORTHODOXY is coded as OGBAOUOML.

Let's compare both MODERN and ORTHODOXY with their respective coded words and decipher the code.
Like, MODERN is coded as YOUNGS –

M	O	D	E	R	N
Y	O	U	N	G	S

And, ORTHODOXY is coded as OGBAOUOML –

O	R	T	H	O	D	O	X	Y
O	G	B	A	O	U	O	M	L

Similarly, METHOD –

M	E	T	H	O	D
Y	N	B	A	O	U

So, METHOD would be coded as YNBAOU. Hence, the **first option** is correct.

Q. 69 **Directions:** If GOODNESS is coded as HNPCODTR, how GREATNESS can be written in that code?

Option 1:
HQFZUFRTM

Option 2:
HQFZSMFRT

Option 3:
HQFZUMFRT

Option 4:
HQFZUODTR

Correct Answer:
HQFZUMFRT

Solution:
Given:
GOODNESS is coded as HNPCODTR

Here, alternate letters are increased by 1 position in the English alphabet. and the other alternate letters are decreased by 1 position.
Like, GOODNESS is coded as HNPCODTR –
G + 1 = H; O – 1 = N; O + 1 = P; D – 1 = C; N + 1 = O; E – 1 = D; S + 1 =

T; S – 1 = R
Thus, the code for GOODNESS is HNPCODTR.
Similarly, GREATNESS –
G + 1 = H; R – 1 = Q; E + 1 = F; A – 1 = Z; T + 1 = U; N – 1 = M; E + 1 = F; S – 1 = R; S + 1 = T

So, the GREATNESS is coded as HQFZUMFRT. Hence, the **third option** is correct.

Q. 70 **Direction:** In a certain code, RELIGION is written as NOIGILER, how SECULAR can be written in that code?

Option 1:
RALCUCES

Option 2:
RALCUES

Option 3:
RALUCES

Option 4:
RAULSEC

Correct Answer:
RALUCES

Solution:

Given:
RELIGION is written as NOIGILER.

Reverse each letter of RELIGION to obtain the required code –
Here, RELIGION is reversed then, we get NOIGILER.
Thus, RELIGION is coded as NOIGILER.
Similarly, follow the same pattern for SECULAR –
Here, SECULAR is reversed then, we get RALUCES.

So, SECULAR is coded as RALUCES. Hence, the **third option** is correct.

Q. 71 **Directions:** If BAT is coded as CBU, then what is the code for CAT?

Option 1:
DBU

Option 2:
BUD

Option 3:
DBV

Option 4:
None of the above

Correct Answer:
DBU

Solution:
Given:
BAT is coded as CBU.

Add 1 to the place value of each letter of BAT, to get the required code –
B + 1 = C; A + 1 = B; T + 1 = U
So, BAT is coded as CBU.
Similarly, follow the same pattern for CAT –
C + 1 = D; A + 1 = B; T + 1 = U

So, CAT is coded as DBU. Hence, the **first option** is correct.

Q. 72 **Directions:** If MZQBL is decoded as NYUWO, then decode OJXMT.

Option 1:
XJAGO

Option 2:
PIAGQ

Option 3:
QJBHS

Option 4:
VJBGQ

Correct Answer:
VJBGQ

Solution:
Given:
MZQBL is decoded as NYUWO.

Reversing the letters of the word MZQBL, then add 2, subtract 3, add 4, subtract 3 and add 2 in place value of the first, second, third, fourth and fifth letters of resultant letters respectively, to get the required code –
After reversing the letters of MZQBL→LBQZM.
L + 2 = N, B – 3 = Y, Q + 4 = U, Z – 3 = W, M + 2 = O
Thus, MZQBL is written as NYUWO.
Similarly, follow the same pattern for OJXMT –
Reversing the letters of the word OJXMT→ TMXJO.
T + 2 = V, M – 3 = J, X + 4 = B, J – 3 = G, O + 2 = Q

Thus, OJXMT is written as VJBGQ. Hence, the **fourth option** is the correct answer.

Q. 73 **Directions:** If BLACKSMITH is coded as CNBELUNKUJ, then CHILDREN will be coded as?

Option 1:
DJINETEP

Option 2:
DJJNETFP

Option 3:
DIJMESFO

Option 4:
DIJMEYEP

Correct Answer:
DJJNETFP

Solution:
Given:
BLACKSMITH is coded as CNBELUNKUJ.

Add 1 and 2 alternatively to the place value of the letters of BLACKSMITH, to get the required code –
B + 1 = C; L + 2 = N; A + 1 = B; C + 2 = E; K + 1 = L; S + 2 = U; M + 1 = N; I + 2 = K; T + 1 = U; H + 2 = J
Thus, BLACKSMITH is coded as CNBELUNKUJ.
Similarly, follow the same pattern for CHILDREN –
C + 1 = D; H + 2 = J; I + 1 = J; L + 2 = N; D + 1 = E; R + 2 = T; E + 1 = F; N + 2 = P

Thus, CHILDREN is coded as DJJNETFP. Hence, the **second option** is correct.

Q. 74 **Directions:** If RATION is written as OXQFLK, then LUMBER may be written as?

Option 1:
KTLADQ

Option 2:
ITJABQ

Option 3:
OXPEHU

Option 4:
IRJYBO

Correct Answer:
IRJYBO

Solution:
Given:
RATION is written as OXQFLK.

Subtract 3 from the place value of each letter of RATION, to get the required code –
R – 3 = O; A – 3 = X; T – 3 = Q; I – 3 = F; O – 3 = L; N – 3 = K

Thus, RATION is coded as OXQFLK.
Similarly, follow the same pattern for LUMBER –
L – 3 = I; U – 3 = R; M – 3 = J; B – 3 = Y; E – 3 = B; R – 3 = O

Thus, LUMBER is coded as IRJYBO. Hence, the **fourth option** is correct.

Q. 75 **Directions:** If BROTHER is coded as GWTYMJW, then SCHOOL is coded as?

Option 1:
WGLSSP

Option 2:
WGLSSQ

Option 3:
XHMTTQ

Option 4:
XHMTTP

Correct Answer:
XHMTTQ

Solution:
Given:
BROTHER is coded as GWTYMJW.

Add 5 to the place value of each letter of BROTHER, to get the desired code –
B + 5 = G; R + 5 = W; O + 5 = T; T + 5 = Y; H + 5 = M; E + 5 = J; R + 5 = W
Thus, BROTHER is coded as GWTYMJW.
Similarly, follow the same pattern for SCHOOL –
S + 5 = X; C + 5 = H; H + 5 = M; O + 5 = T; O + 5 = T; L + 5 = Q

Thus, SCHOOL is coded as XHMTTQ. Hence, the **third option** is correct.

Q. 76 **Directions:** If GOODNESS is coded as HNPCODTR, then GREATNESS will be coded as?

Option 1:
HQZFBMFRT

Option 2:
HPFZUMERT

Option 3:
HQEZUMFTR

Option 4:
HQFZUMFRT

Correct Answer:
HQFZUMFRT

Solution:
Given:
GOODNESS is coded as HNPCODTR.

Add and subtract 1 alternatively from the place value of each letter of GOODNESS, to get the required code –
G + 1 = H; O – 1 = N; O + 1 = P; D – 1 = C; N + 1 = O; E – 1 = D; S + 1 = T; S – 1 = R
Thus, GOODNESS is coded as HNPCODTR.
Similarly, follow the same pattern for GREATNESS –
G + 1 = H; R – 1 = Q; E + 1 = F; A – 1 = Z; T + 1 = U; N – 1 = M; E + 1 = F; S – 1 = R; S + 1 = T

Thus, the code for GREATNESS is HQFZUMFRT. Hence, the **fourth option** is correct.

Q. 77 **Directions:** If HOUSE is written as FQSUC, then how can CHAIR be written in that code?

Option 1:
DIBJS

Option 2:
SBJID

Option 3:
SHBGD

Option 4:
AJYKP

Correct Answer:
AJYKP

Solution:
Given:
HOUSE is written as FQSUC.

Add and subtract 2 to the place values of the letters of the HOUSE alternatively –
H – 2 = F; O + 2 = Q; U – 2 = S; S + 2 = U; E – 2 = C
Thus, HOUSE is coded as FQSUC.
Similarly, follow the same pattern for CHAIR –
C – 2 = A; H + 2 = J; A – 2 = Y; I + 2 = K; R – 2 = P

Therefore, CHAIR is coded as AJYKP. Hence, the **fourth option** is correct.

Q. 78 **Directions:** If in a code GONE is written as ILPB, then how may CRIB be written in that code?

Option 1:
EUKY

Option 2:
EKUY

Option 3:
EYUK

Option 4:
EOKY

Correct Answer:
EOKY

Solution:
Given:
GONE is written as ILPB.

Add two and subtract three alternatively to the place values of the letters of GONE, to get the code –
G + 2 = I; O – 3 = L; N + 2 = P; E – 3 = B
Thus, GONE is coded as ILPB.
Similarly, follow the same pattern for CRIB –
C + 2 = E; R – 3 = O; I + 2 = K; B – 3 = Y

Thus, the code for CRIB is EOKY. Hence, the **fourth option** is correct.

Q. 79 **Directions:** If SYSTEM is written as RXRSDL. How can CORRECT be written in that code?

Option 1:
BNQQDBS

Option 2:
BQQNDBS

Option 3:
BNQQBDS

Option 4:
BNQDQBS

Correct Answer:
BNQQDBS

Solution:
Given:
SYSTEM is written as RXRSDL.

Subtract one from the place values of the letters of the given words to get the code.
SYSTEM is written as RXRSDL –
S – 1 = R; Y – 1 = X; S – 1 = R; T – 1 = S; E – 1 = D; M – 1 = L
Thus, SYSTEM is coded as RXRSDL.

Similarly, CORRECT is coded as –
C – 1 = B; O – 1 = N; R – 1 = Q; R – 1 = Q; E – 1 = D; C – 1 = B; T – 1 = S

So, CORRECT is written as BNQQDBS in that code language. Hence, the **first option** is correct.

Q. 80 **Directions:** If GOAT is coded as HPBU, then how will FROG be coded?

Option 1:
GSPH

Option 2:
PHSG

Option 3:
GSHP

Option 4:
PSHG

Correct Answer:
GSPH

Solution:

Given:

GOAT is written as HPBU.

Add one to the place values of the letters of the given words to get the code.

GOAT is written as HPBU –

G + 1 = H; O + 1 = P; A + 1 = B; T + 1 = U

Similarly, FROG is written as –

F + 1 = G; R + 1 = S; O + 1 = P; G + 1 = H

So the code for FROG is GSPH. Hence, the **first option** is correct.

Q. 81 **Directions:** If POPULAR is coded as QPQVMBS, then FAMOUS will be coded as?

Option 1:
GBNPUT

Option 2:
GNBPTV

Option 3:
GBNPVS

Option 4:
GBNPVT

Correct Answer:
GBNPVT

Solution:
Given:
POPULAR is written as QPQVMBS.

Like, POPULAR is written as QPQVMBS –
P + 1 = Q; O + 1 = P; P + 1 = Q; U + 1 = V; L + 1 = M; A + 1 = B; R + 1 = S
Similarly, FAMOUS is coded as –
F + 1 = G; A + 1 = B; M + 1 = N; O + 1 = P; U + 1 = V; S + 1 = T

So, FAMOUS is written as GBNPVT in that code language. Hence, the **fourth option** is correct.

Q. 82 **Directions:** If MOTHER is coded as KMRFCP, then HOUSE is coded as?

Option 1:
FMRPC

Option 2:
GNSQD

Option 3:
GNRQD

Option 4:
FMSQC

Correct Answer:
FMSQC

Solution:
Given:
MOTHER is written as KMRFCP.

Like, MOTHER is written as KMRFCP –
M – 2 = K; O – 2 = M; T – 2 = R; H – 2 = F; E – 2 = C; R – 2 = P
Similarly, HOUSE is coded as –
H – 2 = F; O – 2 = M; U – 2 = S; S – 2 = Q; E – 2 = C

So, HOUSE is written as FMSQC in that code language. Hence, the **fourth option** is correct.

Q. 83 **Directions:** If FRIEND is coded as HTKGPF, then REVEAL will be coded as?

Option 1:
TGXFCN

Option 2:
TGXNGC

Option 3:
TXGNCG

Option 4:
TGXGCN

Correct Answer:
TGXGCN

Solution:
Given:
FRIEND is coded as HTKGPF.

Like, FRIEND is coded as HTKGPF –
F + 2 = H; R + 2 = T; I + 2 = K; E + 2 = G; N + 2 = P; D + 2 = F
Similarly, REVEAL is coded as –
R + 2 = T; E + 2 = G; V + 2 = X; E + 2 = G; A + 2 = C; L + 2 = N

So, the code for REVEAL is TGXGCN. Hence, the **fourth option** is correct.

Q. 84 **Directions:** In a certain code, if AMOUNT is written as BNPTMS, how is AROUND written in that code?

Option 1:
BSPUNT

Option 2:
BSUPTN

Option 3:
BSPTMC

Option 4:
ZSPVOE

Correct Answer:
BSPTMC

Solution:
Given:
AMOUNT is written as BNPTMS.

Divide the letters of the word into two halves. Then, add one to the place values of the first half and subtract one from the place value of the second half of the letters of the given words.
AMOUNT is coded as BNPTMS –
Divide AMOUNT into two halves→AMO / UNT
Now, add 1 to the first half (AMO) and subtract 1 from the second half (UNT) –
A + 1 = B; M + 1 = N; O + 1 = P; U – 1 = T; N – 1 = M; T – 1 = S
Similarly, AROUND is coded as –
Divide AROUND into two halves→ARO / UND
A + 1 = B; R + 1 = S; O + 1 = P; U – 1 = T; N – 1 = M; D – 1 = C

So, the AROUND is written as BSPTMC in that code language. Hence, the **third option** is correct.

Q. 85 **Directions:** If BUDDHISM is coded as DWFFJKUO then CHRISTIAN will be coded as?

Option 1:
EITJUVKBP

Option 2:
EJTKUVJCO

Option 3:
EJTKVUJCP

Option 4:
EJTKUVKCP

Correct Answer:
EJTKUVKCP

Solution:
Given:
BUDDHISM is coded as DWFFJKUO.

Add two to the place values of the letters of the given words to get the code.

BUDDHISM is coded as DWFFJKUO –

B + 2 = D; U + 2 = W; D + 2 = F; D + 2 = F; H + 2 = J; I + 2 = K; S + 2 = U; M + 2 = O

Similarly, CHRISTIAN is coded as –

C + 2 = E; H + 2 = J; R + 2 = T; I + 2 = K; S + 2 = U; T + 2 = V; I + 2 = K; A + 2 = C; N + 2 = P

So, CHRISTIAN is written as EJTKUVKCP in that code language.

Hence, the **fourth option** is correct.

Q. 86 **Directions:** If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?

Option 1:
EDRIRL

Option 2:
ESJFME

Option 3:
DCQHQK

Option 4:
DEQJQM

Correct Answer:
EDRIRL

Solution:
Given:
FRIEND is coded as HUMJTK.

Add consecutive natural numbers to the place value of the letters of the given words to get the code.
FRIEND is coded HUMJTK –
F + 2 = H; R + 3 = U; I + 4 = M; E + 5 = J; N + 6 = T; D + 7 = K
Similarly, CANDLE is coded as –
C + 2 = E; A + 3 = D; N + 4 = R; D + 5 = I; L + 6 = R; E + 7 = L

So, CANDLE is written as EDRIRL in that code language. Hence, the **first option** is correct.

Q. 87 **Directions:** If HARBOUR is written as IBSCPVS, how is HABITAT written in that code?

Option 1:
GZAHSZS

Option 2:
IBCJUBU

Option 3:
IBAHSZS

Option 4:
IBCJBUU

Correct Answer:
IBCJUBU

Solution:
Given:
HARBOUR is written as IBSCPVS.

HARBOUR is coded as IBSCPVS –
H + 1 = I; A + 1 = B; R + 1 = S; B + 1 = C; O + 1 = P; U + 1 = V; R + 1 = S
Similarly, HABITAT is coded as –
H + 1 = I; A + 1 = B; B + 1 = C; I + 1 = J; T + 1 = U; A + 1 = B; T + 1 = U

So, HABITAT is coded as IBCJUBU. Hence, the **second option** is correct.

Q. 88 **Directions:** If THEN is written as RLBS, then how may CASE be written in that code?

Option 1:
AEPJ

Option 2:
APEP

Option 3:
EPAP

Option 4:
PAEJ

Correct Answer:
AEPJ

Solution:
Given:
THEN is written as RLBS.

Like, THEN is written as RLBS –
T – 2 = R; H + 4 = L; E – 3 = B; N + 5 = S
Similarly, CASE is coded as –
C – 2 = A; A + 4 = E; S – 3 = P; E + 5 = J

So, CASE is written as AEPJ in that code language. Hence, the **first option** is correct.

Q. 89 **Directions:** In a certain code language, HPRM is written as OWYT, and JRTO is written as QYAV, How will ELNJ be written in that language?

Option 1:
LTVQ

Option 2:
LSUQ

Option 3:
LQSP

Option 4:
LRTP

Correct Answer:
LSUQ

Solution:
Given:
HPRM is written as OWYT, and JRTO is written as QYAV.

Add 7 to the place value of each letter of HPRM to obtain the required code –
HPRM→H + 7 = O; P + 7 = W; R + 7 = Y; M + 7 = T→OWYT
Thus, HPRM is coded as OWYT.
JRTO→J + 7 = Q; R + 7 = Y; T + 7 = A; O + 7 = V→QYAV
Thus, JRTO is coded as QYAV.
Similarly, follow the same pattern for ELNJ –
ELNJ→E + 7 = L; L + 7 = S; N + 7 = U; J + 7 = Q→LSUQ

So, ELNJ is coded as LSUQ. Hence, the **second option** is correct.

Q. 90 **Directions:** In a certain code, TEACHER is written as VGCEJGT. How is CHILDREN written in that code?

Option 1:
EJKNEGTP

Option 2:
EJKNFTGP

Option 3:
EJNFITPK

Option 4:
EJKNFTGH

Correct Answer:
EJKNFTGP

Solution:
Given:
TEACHER is written as VGCEJGT.

Like, TEACHER is written as VGCEJGT –
T + 2 = V; E + 2 = G; A + 2 = C; C + 2 = E; H + 2 = J; E + 2 = G; R + 2 = T

Similarly, CHILDREN is coded as –
C + 2 = E; H + 2 = J; I + 2 = K; L + 2 = N; D + 2 = F; R + 2 = T; E + 2 = G; N + 2 = P

So, the code for CHILDREN is EJKNFTGP. Hence,
the **second option** is correct.

Q. 91 **Directions:** In a certain code language, MOBILE is written as PRELOH, and SILENT is written as VLOHQW, how will PAINTING be written in that language?

Option 1:
SDLQVKPI

Option 2:
SDLQWLQJ

Option 3:
RCKPWLQJ

Option 4:
RCKPVKPI

Correct Answer:
SDLQWLQJ

Solution:

Given:
MOBILE is written as PRELOH and SILENT is written as VLOHQW.

Add 3 to the place value of each letter of MOBILE, to get the required code –
M + 3 = P; O + 3 = R; B + 3 = E; I + 3 = L; L + 3 = O; E + 3 = H
Thus, MOBILE is coded as PRELOH.
And, SILENT is written as VLOHQW –
S + 3 = V; I + 3 = L; L + 3 = O; E + 3 = H; N + 3 = Q; T + 3 = W
Thus, SILENT is coded as VLOHQW.
Similarly, follow the same pattern for PAINTING –
P + 3 = S; A + 3 = D; I + 3 = L; N + 3 = Q; T + 3 = W; I + 3 = L; N + 3 = Q; G + 3 = J

Thus, PAINTING is written as SDLQWLQJ. Hence, the **second option** is correct.

Q. 92 **Directions:** If WZB stands for DAY, how will you code MONDAY?

Option 1:
NLMWZB

Option 2:
PLOWZB

Option 3:
NMLWZB

Option 4:
PQRWZB

Correct Answer:
NLMWZB

Solution:
Given:
WZB stands for DAY.

Like, WZB stands for DAY –
Opposite letter of W→D, Opposite letter of Z→A, Opposite letter of B→Y
Similarly, MONDAY is coded as –
Opposite letter of M→N, Opposite letter of O→L, Opposite letter of N→M, Opposite letter of D→W, Opposite letter of A→Z, Opposite letter of Y→B

So, MONDAY is written as NLMWZB in that code language. Hence, the **first option** is correct.

Q. 93 **Directions:** In a certain code language, ZEPHYR is coded as IIYLHV and SCHIZY is coded as BGQMIC. What is the code for ZINCKY in the given code language?

Option 1:
IMNGTC

Option 2:
IMWGSC

Option 3:
IMWGTC

Option 4:
IMWFTC

Correct Answer:
IMWGTC

Solution:
Given:
ZEPHYR is coded as IIYLHV and SCHIZY is coded as BGQMIC.

Add 9 to the positional value of the odd place letter and add 4 to the positional value of the even place letter to obtain the required code –
Z + 9 = I; E + 4 = I; P + 9 = Y; H + 4 = L; Y + 9 = H; R + 4 = V
Thus, ZEPHYR is coded as IIYLHV.
And SCHIZY is coded as BGQMIC.
S + 9 = B; C + 4 = G; H + 9 = Q; I + 4 = M; Z + 9 = I; Y + 4 = C
Thus, SCHIZY is coded as BGQMIC.
Similarly, following the same pattern for ZINCKY –
Z + 9 = I; I + 4 = M; N + 9 = W; C + 4 = G; K + 9 = T; Y + 4 = C

So, ZINCKY is coded as IMWGTC. Hence, the **third option** is correct.

Q. 94 **Directions:** In a certain code language, MUZJIK is coded as UCHRQS, and BLOWZY is coded as JTWEHG. What is the code for SQUAWK in the given code language?

Option 1:
AZCIES

Option 2:
AYCIFS

Option 3:
AYDIES

Option 4:
AYCIES

Correct Answer:
AYCIES

Solution:
Given:
MUZJIK is coded as UCHRQS.
BLOWZY is coded as JTWEHG

Add 8 to the positional value of each letter to get the code.
Like in, MUZJIK→M + 8 = U; U + 8 = C; Z + 8 = H; J + 8 = R; I + 8 = Q; K + 8 = S; ⇒ UCHRQS
And in, BLOWZY→B + 8 = J; L + 8 = T; O + 8 = W; W + 8 = E; Z + 8 = H; Y + 8 = G; ⇒ JTWEHG
Similarly SQUAWK→S + 8 = A; Q + 8 = Y; U + 8 = C; A + 8 = I; W + 8 = E; K + 8 = S; ⇒ AYCIES

Thus, SQUAWK is coded as AYCIES. Hence, only the **fourth option** follows

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Q. 95 **Directions:** In a certain code language FLASH is coded as HNCUJ and ENDOW is coded as GPFQY. What will be the code for DEBIT in the given code language?

Option 1:
EHDLW

Option 2:
FHCLV

Option 3:
GHELW

Option 4:
FGDKV

Correct Answer:
FGDKV

Solution:
Given:
FLASH ⇒ HNCUJ, ENDOW ⇒ GPFQY

Add 2 to the positional value of each letter of the word to obtain the required code.
FLASH→F + 2 = H; L + 2 = N; A + 2 = C; S + 2 = U; H + 2 = J
Thus, FLASH is coded as HNCUJ
ENDOW→E + 2 = G; N + 2 = P; D + 2 = F; O + 2 = Q; W + 2 = Y
Thus, ENDOW is coded as GPFQY
Similarly, follow the same pattern for DEBIT→D + 2 = F; E + 2 = G; B + 2 = D; I + 2 = K; T + 2 = V

So, DEBIT is coded as FGDKV. Hence, the **fourth option** is correct.

Q. 96 **Directions:** In a certain code language, KARAN is coded as OCVCR and STAPLE is coded as WVERPG. What is the code for JOYFUL in the given code language?

Option 1:
NQCHWN

Option 2:
NPCHYN

Option 3:
NQAHYN

Option 4:
NQCHYN

Correct Answer:
NQCHYN

Solution:
Given:
KARAN is coded as OCVCR and STAPLE is coded as WVERPG.

Add 4 and 2 alternatively to the positional values of the letters of the given words to obtain their codes.
KARAN→K + 4 = O; A + 2 = C; R + 4 = V; A + 2 = C; N + 4 = R
Thus, KARAN is coded as OCVCR.
STAPLE→S + 4 = W; T + 2 = V; A + 4 = E; P + 2 = R; L + 4 = P; E + 2 = G
Thus, STAPLE is coded as WVERPG.
Similarly, follow the same pattern for JOYFUL→J + 4 = N; O + 2 = Q; Y + 4 = C; F + 2 = H; U + 4 = Y; L + 2 = N

So, JOYFUL is coded as NQCHYN. Hence, the **fourth option** is correct.

Q. 97 **Directions:** In a certain code language, QUIRKY is coded as TCLZNG, and MUZHIK is coded as PCCPLS. What is the code for FROWZY in the given code language?

Option 1:
IZKECG

Option 2:
IZRECG

Option 3:
IZREDG

Option 4:
IZRECF

Correct Answer:
IZRECG

Solution:
Given:
QUIRKY is coded as TCLZNG and MUZHIK is coded as PCCPLS.

Add 3 and 8 alternatively to the place value of the letters of QUIRKY, to get the code –
Q + 3 = T; U + 8 = C; I + 3 = L; R + 8 = Z; K + 3 = N; Y + 8 = G

Thus, QUIRKY is coded as TCLZNG.

And, MUZHIK is coded as PCCPLS –

M + 3 = P; U + 8 = C; Z + 3 = C; H + 8 = P; I + 3 = L; K + 8 = S

Thus, MUZHIK is coded as PCCPLS.

Similarly, follow the same pattern for FROWZY→

F + 3 = I; R + 8 = Z; O + 3 = R; W + 8 = E; Z + 3 = C; Y + 8 = G

Thus, FROWZY is coded as IZRECG. Hence, the **second option** is correct.

Q. 98 **Directions:** In a certain code language, BRING is coded as FVMRK, and LOVE is coded as PSZI. What is the code for SOLDIER in the given code language?

Option 1:
WSPHMIV

Option 2:
WTPHMIV

Option 3:
WSPHMIU

Option 4:
WSPHNIV

Correct Answer:
WSPHMIV

Solution:
Given:
BRING is coded as FVMRK and LOVE is coded as PSZI.

Add 4 to the place value of each letter of BRING, to obtain the code –
B + 4 = F; R + 4 = V; I + 4 = M; N + 4 = R; G + 4 = K
Thus, BRING is coded as FVMRK.
And, LOVE is coded as PSZI –
L + 4 = P; O + 4 = S; V + 4 = Z; E + 4 = I
Thus, LOVE is coded as PSZI.
Similarly, follow the same pattern for SOLDIER –
S + 4 = W; O + 4 = S; L + 4 = P; D + 4 = H; I + 4 = M; E + 4 = I; R + 4 = V

Thus, SOLDIER is coded as WSPHMIV. Hence, the **first option** is correct.

Q. 99 **Directions:** In the following question, you have to identify the correct response from the given premises stated according to the following symbols.
In certain codes 0, 1, 2,....., 9 is coded as a, b, c,....., j
then find baf ÷ bf × d.

Option 1:
cb

Option 2:
d

Option 3:
df

Option 4:
be

Correct Answer:
cb

Solution:

Given:

Code 0, 1, 2,....., 9 is coded as a, b, c,....., j

From the above-given codes, find the code of baf ÷ bf × d;

b = 1; a = 0; f = 5; d = 3

Now, put the above codes in baf ÷ bf × d –

= baf ÷ bf × d

= 105 ÷ 15 × 3

= 7 × 3

= 21

Now, c = 2; b = 1

Thus, 21 is the code of cb. Hence, the **first option** is correct.

Q. 100 **Directions:** If DELHI is coded as 73541 and CALCUTTA as 82589662, then how would be CALICUT coded in that code?

Option 1:
5978213

Option 2:
8251896

Option 3:
8543691

Option 4:
5279431

Correct Answer:
8251896

Solution:
Given:
DELHI is coded as 73541 and CALCUTTA is coded as 82589662.

Code the letters of the word with equivalent numbers given in the code. The code of letters in the given word DELHI is –
D→7; E→3; L→5; H→4; I→1
Thus, DELHI is coded as 73541.

And, CALCUTTA is coded as 82589662 –
C→8; A→2; L→5; C→8; U→9; T→6; T→6; A→2
Thus, CALCUTTA is coded as 82589662.
Similarly, follow the same pattern for CALICUT –
The code of the letters of CALICUT can be taken from the letters of DELHI and CALCUTTA.
C→8; A→2; L→5; I→1; C→8; U→9; T→6

Thus, CALICUT will be coded as 8251896. Hence, the **second option** is correct.

Q. 101 **Directions:** If DEAR is coded as 6 – 8 – 3 – 21, how will you code TRACK?

Option 1:
22 – 21 – 3 – 6 – 11

Option 2:
22 – 21 – 3 – 6 – 13

Option 3:
22 – 21 – 4 – 5 – 10

Option 4:
20 – 21 – 3 – 6 – 17

Correct Answer:
22 – 21 – 3 – 6 – 13

Solution:
Given:
DEAR is coded as 6 – 8 – 3 – 21

Add 2 and 3 alternatively to the place values of the letters of DEAR to get the required code –
D(4) + 2 = 6; E(5) + 3 = 8; A(1) + 2 = 3; R(18) + 3 = 21
So, DEAR is coded as 6 – 8 – 3 – 21.
Similarly, follow the same pattern for TRACK –
T(20) + 2 = 22; R(18) + 3 = 21; A(1) + 2 = 3; C(3) + 3 = 6; K(11) + 2 = 13

So, TRACK is coded as 22 – 21 – 3 – 6 – 13. Hence, the **second option** is correct.

Q. 102 **Directions:** In a certain code language, DICTATOR is written as DROTATCI, and GLIMPSE is written as GESPMIL. How will CONDEMN be written in that language?

Option 1:
CNONMED

Option 2:
NMEDNOC

Option 3:
NCONDEM

Option 4:
CNMEDNO

Correct Answer:
CNMEDNO

Solution:
Given:
DICTATOR is written as DROTATCI and GLIMPSE is written as GESPMIL.

In the words DICTATOR, the first letter remains fixed at its position, and the remaining letters are written in reverse order –
DICTATOR→D = D; ICTATOR = ROTATCI
Thus, DICTATOR is coded as DROTATCI.
And, GLIMPSE is coded as GESPMIL –
GLIMPSE→G = G; LIMPSE = ESPMIL
Thus, GLIMPSE is coded as GESPMIL.
Similarly follow the same pattern for CONDEMN –
CONDEMN→C = C; ONDEMN = NMEDNO

So, CONDEMN will be written as CNMEDNO in the code language.
Hence, the **fourth option** is correct.

Q. 103 **Directions:** If D = 4, DOG = 26, then what is the value of ANIMAL?

Option 1:
47

Option 2:
49

Option 3:
48

Option 4:
50

Correct Answer:
50

Solution:
Given:
D = 4, DOG = 26

Add the place value of the letters to get the required code –
Like, the place value of the letter D; D→4
Thus, D is coded as 4.
Place values of letters of DOG; D→4; O→15; G→7
DOG→4 + 15 + 7 = 26

Thus, DOG is coded as 26.
Similarly, for ANIMAL; A→1; N→14; I→9; M→13; A→1; L→12
ANIMAL→1 + 14 + 9 + 13 + 1 + 12 = 50

So, ANIMAL is coded as 50. Hence, the **fourth option** is correct.

Q. 104 **Directions:** If LACK is written as 396, then how will BACK be written as?

Option 1:
66

Option 2:
56

Option 3:
86

Option 4:
72

Correct Answer:
66

Solution:
Given:
LACK is written as 396.

Multiply the place value of letters of LACK, to obtain the required code –
L→12; A→1; C→3; K→11
LACK = 12 × 1 × 3 × 11 = 396
Thus, LACK is coded as 396.
Similarly, follow the same pattern for BACK –
B→2; A→1; C→3; K→11
BACK = 2 × 1 × 3 × 11 = 66

So, BACK is coded as 66. Hence, the **first option** is correct.

Q. 105 **Directions:** If FEED is written as 4556, then how will FLOUR be written as?

Option 1:
182115126

Option 2:
133213423

Option 3:
142323412

Option 4:
234231212

Correct Answer:
182115126

Solution:
Given:
FEED is written as 4556.

Write the place value of the letters of FEED, to obtain the required code –
F→6; E→5; E→5; D→4
Now, write these place values in reverse order – 4556.
Thus FEED is coded as 4556.
Similarly, follow the same pattern for FLOUR –
F→6; L→12; O→15; U→21; R→18
Now, write these place values in reverse order – 182115126

Thus, FLOUR is coded as 182115126. Hence, the **first option** is correct.

Q. 106 **Directions:** If DANGER is coded as 11–8–21–14–12–25, then how will the word MACHINE be coded?

Option 1:
20–10–8–12–15–16–7

Option 2:
20–8–10–15–16–21–12

Option 3:
10–21–15–14–26–17–18

Option 4:
20–8–10–16–17–22–13

Correct Answer:
20–8–10–15–16–21–12

Solution:
Given:
DANGER is written as 11–8–21–14–12–25

Add 7 to the positional values of the letters of DANGER, to obtain the required code –

LETTERS	D	A	N	G	E	R
POSITION VALUES	4	1	14	7	5	18

Add 7 to the positional value of each letter.
D + 7 = 11; A + 7 = 8; N + 7 = 21; G + 7 = 14; E + 7 = 12; R + 7 = 25
Thus, DANGER is coded as 11–8–21–14–12–25.
Similarly, follow the same pattern for MACHINE –

LETTERS	M	A	C	H	I	N	E
POSITION VALUES	13	1	3	8	9	14	5

Add 7 to the positional value of each letter.
M + 7 = 20; A + 7 = 8; C + 7 = 10; H + 7= 15; I + 7 = 16; N + 7 = 21; E + 7 = 12

Thus, MACHINE is coded as 20–8–10–15–16–21–12. Hence, the **second option** is correct.

Q. 107 **Directions:** In a certain code language, PLANT is written as NRDVP, and SCORE is written as EURGT. How will GRIND be written in that language?

Option 1:
TILFP

Option 2:
SHLGQ

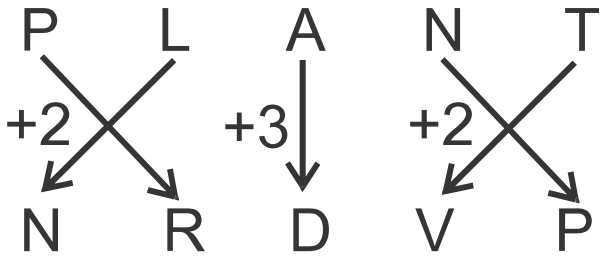
Option 3:
UJKEO

Option 4:
ITLPF

Correct Answer:
TILFP

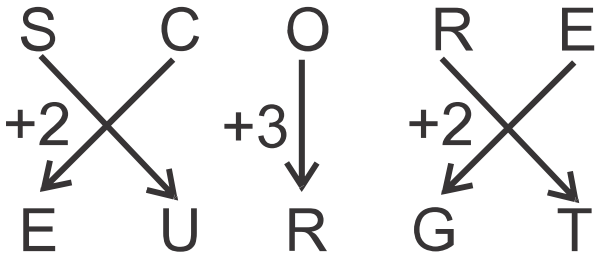
Solution:
Given:
PLANT is written as NRDVP and SCORE is written as EURGT.

Add 2 in the place value of the first two and last two letters and shuffle their position as shown and add 3 in the place value of the third letter of PLANT, to obtain the required code –



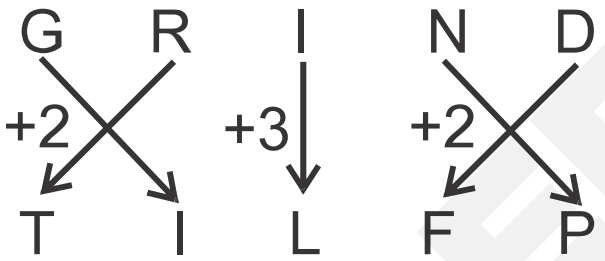
So, PLANT is coded as NRDVP.

And, SCORE is written as EURGT –



So, SCORE is coded as EURGT.

Similarly, follow the same pattern for GRIND –



So, GRIND is coded as TILFP. Hence, the **first option** is correct.

Q. 108 **Directions:** If ARATHY is coded as BSBUIZ then SYSTEM is coded as?

Option 1:
TZTUFN

Option 2:
TZTFNU

Option 3:
TZFNUT

Option 4:
TFUZTN

Correct Answer:
TZTUFN

Solution:
Given:
ARATHY is coded as BSBUIZ –

Add 1 to the place value of each letter of ARATHY, to obtain the required code –
A + 1 = B; R + 1 = S; A + 1 = B; T + 1 = U; H + 1 = I; Y + 1 = Z
Thus, ARATHY is coded as BSBUIZ.
Similarly, follow the same pattern for SYSTEM –
S + 1 = T; Y + 1 = Z; S + 1 = T; T + 1 = U; E + 1 = F; M + 1 = N

Thus, SYSTEM is written as TZTUFN. Hence, the **first option** is correct.

Q. 109 **Directions:** In a certain code language INDIA is written as LQGLD then JAPAN will be written as?

Option 1:
LCRCP

Option 2:
MCSCQ

Option 3:
MDSDQ

Option 4:
LDRDP

Correct Answer:
MDSDQ

Solution:
Given:
INDIA is written as LQGLD –

Add 3 to the place value of each letter of INDIA to obtain the required code –
I + 3 = L; N + 3 = Q; D + 3 = G; I + 3 = L; A + 3 = D
Thus, INDIA is written as LQGLD.
Similarly, follow the same pattern for JAPAN –
J + 3 = M; A + 3 = D; P + 3 = S; A + 3 = D; N + 3 = Q

So, JAPAN is written as MDSDQ. Hence, the **third option** is correct.

Q. 110 **Directions:** If Stress is coded as Rtress. Then Pulse will be coded as?

Option 1:
Oulse

Option 2:
Rulse

Option 3:
Fulse

Option 4:
Qulse

Correct Answer:
Oulse

Solution:
Given:
Stress is coded as Rtress.

The first letter of the word is obtained by subtracting 1 from the place value of Stress and this letter is written as capital letters, the rest of the letters are written in small letters and are constant.
Stress→S – 1 = R→Rtress (Remaining letters remain unchanged.)

Thus, Strees is coded as Rtress.

Similarly, follow the same pattern for Pulse –

Pulse→P – 1 = O→Oulse (Remaining letters remain unchanged.)

Thus, Pulse can be written as Oulse. Hence, the **first option** is correct.

Q. 111 **Directions:** In a coded language, BRINJAL is written as LAJNIRB. How will LADYFINGER be written in that code?

Option 1:
RNEGIFYDAL

Option 2:
RINEGIFYDAL

Option 3:
REGNIFYDAL

Option 4:
RGENIFYDAL

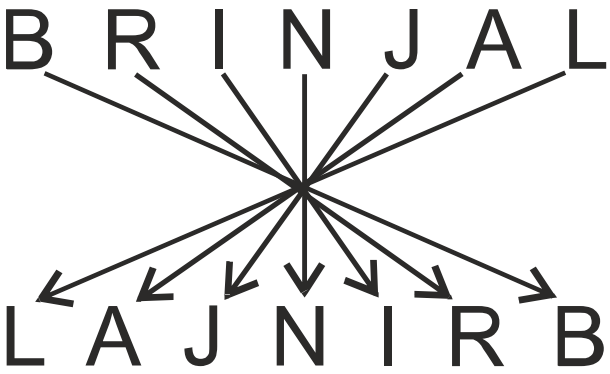
Correct Answer:
REGNIFYDAL

Solution:

Given:

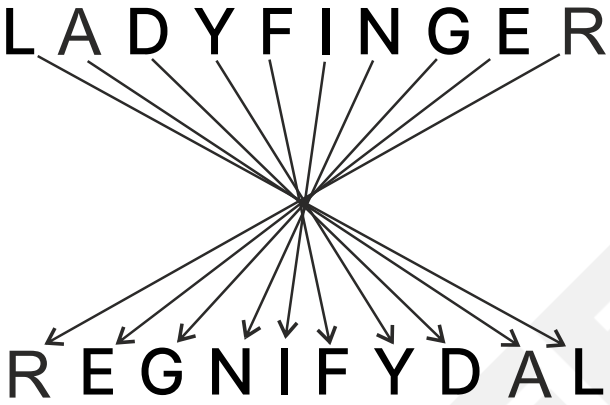
BRINJAL is written as LAJNIRB.

Reverse the letters of the word BRINJAL to get the required code –



Thus, BRINJAL is coded as LAJNIRB

Similarly, follow the same pattern for LADYFINGER –



So, LADYFINGER is written as REGNIFYDAL. Hence, the **third option** is correct.

Q. 112 **Directions:** In a certain code language, RANDOM is coded as YWUZVI, and AMONG is coded as HIVJN. What is the code for POWERED in the given code language?

Option 1:
WKDAYAK

Option 2:
WDKAYAK

Option 3:
WKADYAK

Option 4:
WKDAAYK

Correct Answer:
WKDAYAK

Solution:
Given:
The code for RANDOM is YWUZVI, and the code for AMONG is HIVJN.

Add 7 and subtract 4 alternatively in the place value of the letters RANDOM, to obtain the code –
R + 7 = Y; A – 4 = W; N + 7 = U; D – 4 = Z; O + 7 = V; M – 4 = I
Thus, RANDOM is coded as YWUZVI.
And, the code for AMONG is HIVJN –
A + 7 = H; M – 4 = I; O + 7 = V; N – 4 = J; G + 7 = N
Thus, AMONG is coded as HIVJN.
Similarly, follow the same pattern for POWERED →
P + 7 = W; O – 4 = K; W + 7 = D; E – 4 = A; R + 7 = Y; E – 4 = A; D + 7 = K

Therefore, the code for POWERED is WKDAYAK. Hence, the **first option** is correct.

Q. 113 **Directions:** If RAMAYANA is written as BOBZBNBS, then GRANTH is written as _____.

Option 1:
HSBOUI

Option 2:
IVPBTH

Option 3:
IUOBSH

Option 4:
IUOCSI

Correct Answer:
IUOBSH

Solution:
Given:
RAMAYANA is written as BOBZBNBS.

Reversing the letters of the word RAMAYANA, and 1 to the place value of the resultant, to get the required code –
Reverse the letter of RAMAYANA→ANAYAMAR
Now, add 1 to each letter of ANAYAMAR to obtain the required code.
A + 1 = B; N + 1 = O; A + 1 = B; Y + 1 = Z; A + 1 = B; M + 1 = N; A + 1 =

B; R + 1 = S
Thus, RAMAYANA is written as BOBZBNBS.
Similarly, follow the same pattern for GRANTH –
Reversing the letters of the word GRANTH→HTNARG
Now, add 1 to each letter of HTNARG to obtain the required code –
H + 1 = I; T + 1 = U; N + 1 = O; A + 1 = B; R + 1 = S; G + 1 = H

Thus, GRANTH is written as IUOBSH. Hence, the **third option** is correct.

Q. 114 **Directions:** In a certain code language, MANAGE is written as HJDQDP, and LITTLE is written as HOWWLO. How will POLICY be written in that language?

Option 1:
CPMDOZ

Option 2:
QPMJDZZ

Option 3:
YCILOP

Option 4:
BFLORS

Correct Answer:
BFLORS

Solution:
Given:
MANAGE is written as HJDQDP and LITTLE is written as HOWWLO.

Add 3 to the place value of each letter of MANAGE and, then reverse the letters, to get the required code –
M + 3 = P; A + 3 = D; N + 3 = Q; A + 3 = D; G + 3 = J; E + 3 = H
Now, reverse the letters of PDQDJH→HJDQDP
Thus, MANAGE is coded as HJDQDP.
And, LITTLE is written as HOWWLO –
L + 3 = O; I + 3 = L; T + 3 = W; T + 3 = W; L + 3 = O; E + 3 = H
Now, reverse the letters of OLWWOH→HOWWLO
Thus, LITTLE is coded as HOWWLO.
Similarly, follow the same pattern for POLICY→
P + 3 = S; O + 3 = R; L + 3 = O; I + 3 = L; C + 3 = F; Y + 3 = B
Now, reverse the letters of SROLFB→BFLORS

So, POLICY is coded as BFLORS in the code language. Hence, the **fourth option** is correct.

Q. 115 **Directions:** In a certain language REKHA is written as NOPST, RESHAM is written as NOHSTQ and SHYAM is written as HSLTQ. What will be SHAME written as?

Option 1:
SHQTO

Option 2:
HSTQO

Option 3:
HSTOQ

Option 4:
SHQOT

Correct Answer:
HSTQO

Solution:
Given:
REKHA is written as NOPST, RESHAM is written as NOHSTQ and SHYAM is written as HSLTQ.

Each letter of the word is assigned an individual letter code –
R→N, E→O, K→P, H→S, A→T
Thus, REKHA is written as NOPST.
And, RESHAM is written as NOHSTQ –
R→N, E→O, S→H, H→S, A→T, M→Q
Thus, RESHAM is written as NOHSTQ.
And, SHYAM is written as HSLTQ –
S→H, H→S, Y→L, A→T, M→Q
Thus, SHYAM is written as HSLTQ.

All the letters of SHAME are present in REKHA, RESHAM, and SHYAM–
S→H, H→S, A→T, M→Q, E→O

So, SHAME will be written as HSTQO. Hence, the **second option** is correct.

Q. 116 **Directions:** In a certain code language, ABSOLUTE is written as ESBLOTUA. How will the CALENDAR be written in that code language?

Option 1:
RLAENADC

Option 2:
RLANEADC

Option 3:
RALNEADC

Option 4:
RANLAEDC

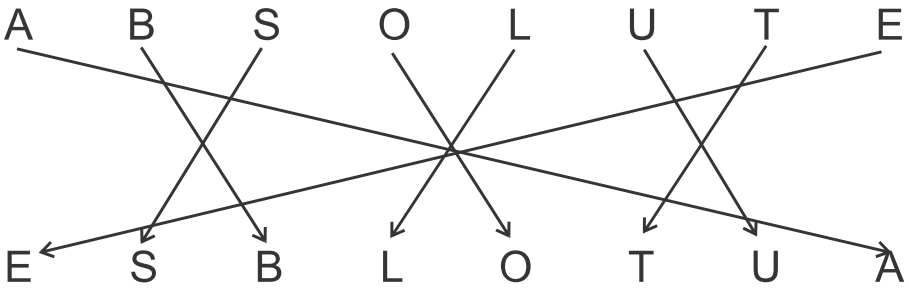
Correct Answer:
RLANEADC

Solution:

Given:

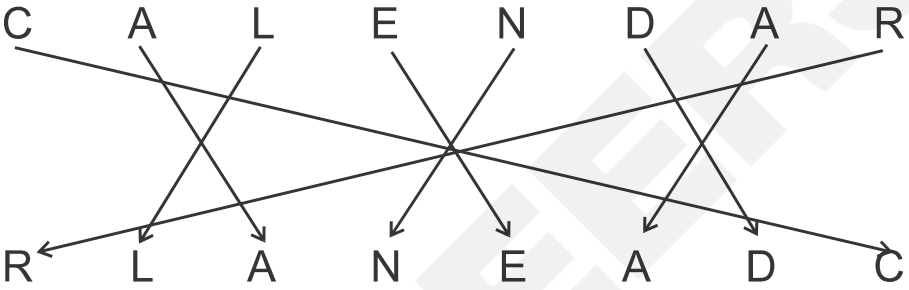
ABSOLUTE is written as ESBLOTUA –

Shuffle the position of the letters of ABSOLUTE, to obtain the required code –



Thus, ABSOLUTE is coded as ESBLOTUA.

Similarly, follow the same pattern for CALENDAR –



So, CALENDAR is coded as RLANEADC. Hence, the **second option** is correct.

Q. 117 **Directions:** If GOPAL is coded as MIVUR, then how will RADHA be coded as _____.

Option 1:

XVJBG

Option 2:
XUJBG

Option 3:
XTJBG

Option 4:
XUJCG

Correct Answer:
XUJBG

Solution:
Given:
GOPAL is coded as MIVUR –

Add 6 and subtract 6 alternatively from the place value of each letter of the word GOPAL to obtain the required code –
G + 6 = M; O – 6 = I; P + 6 = V; A – 6 = U; L + 6 = R
Thus, GOPAL is coded as MIVUR.
Similarly, follow the same pattern for RADHA –
R + 6 = X; A – 6 = U; D + 6 = J; H – 6 = B; A + 6 = G

So, RADHA is written as XUJBG. Hence, the **second option** is correct.

Q. 118 **Directions:** In a certain code language, PENDANT is written as QFOEBOU, and LAWFUL is written as MBXGVM. How will IMPOSE be written in that language?

Option 1:
JNQPTF

Option 2:
INPQSG

Option 3:
KMPRSF

Option 4:
IMQQSG

Correct Answer:
JNQPTF

Solution:
Given:
PENDANT is written as QFOEBOU and LAWFUL is written as MBXGVM.

Add 1 to the place value of each letter of PENDANT, to obtain the required code –
P + 1 = Q; E + 1 = F; N + 1 = O; D + 1 = E; A + 1 = B; N + 1 = O; T + 1 = U
Thus, PENDANT is coded as QFOEBOU.
And, LAWFUL is written as MBXGVM –
L + 1 = M; A + 1 = B; W + 1 = X; F + 1 = G; U + 1 = V; L + 1 = M
Thus, LAWFUL is coded as MBXGVM.
Similarly, follow the same pattern for IMPOSE→
I + 1 = J; M + 1 = N; P + 1 = Q; O + 1 = P; S + 1 = T; E + 1 = F

Thus, IMPOSE is written as JNQPTF in the code language. Hence, the **first option** is correct.

Q. 119 **Directions:** In a certain code language, CRAMP is coded as 29715, and MACRO is coded as 52379. What is the code for P in the given code language?

Option 1:
2

Option 2:
1

Option 3:
7

Option 4:
3

Correct Answer:
1

Solution:
Given:
1. CRAMP→29715
2. MACRO→52397

After comparing both words and their codes, we get –
In both words, the common letters are C/ R/ A/ M and the common numbers are 2/ 9/ 7/ 5 are common.
The remaining letters and codes in the first word are P and 1, and in the second word are O and 3.

So, P is coded as 1. Hence, the **second option** is correct.

Q. 120 **Directions:** In a certain code language, CHASE is coded as IQGBK, and WHALE is coded as CQGUK. What is the code for ANCIENT in the given code language?

Option 1:
GWIRJWZ

Option 2:
GWIRKWZ

Option 3:
GWIRKMZ

Option 4:
GWIPKWZ

Correct Answer:
GWIRKWZ

Solution:

Given:

CHASE is coded as IQGBK and WHALE is coded as CQGUK.

Add 6 and 9 alternatively to the place value of each letter of CHASE, to obtain the required code –

C + 6 = I; H + 9 = Q; A + 6 = G; S + 9 = B; E + 6 = K

Thus, CHASE is coded as IQGBK.

And, WHALE is coded as CQGUK –

W + 6 = C; H + 9 = Q; A + 6 = G; L + 9 = U; E + 6 = K

Thus, WHALE is coded as CQGUK.

Similarly, follow the same pattern for ANCIENT –

A + 6 = G; N + 9 = W; C + 6 = I; I + 9 = R; E + 6 = K; N + 9 = W; T + 6 = Z

Thus, ANCIENT is coded as GWIRKWZ in the code language. Hence, the **second option** is correct.

Q. 121 **Directions:** In a certain code language, PLAY is coded as RICV, and TREE is coded as VOGB. How will BOOK be coded in the same language?

Option 1:

HLQD

Option 2:

DQQH

Option 3:
DLQH

Option 4:
DLLH

Correct Answer:
DLQH

Solution:
Given:
PLAY is coded as RICV and TREE is coded as VOGB.

Add 2 and subtract 3 from the place value of the alternate letters, to obtain the required code –
P + 2 = R; L – 3 = I; A + 2 = C; Y – 3 = V
Thus, PLAY is coded as RICV.
TREE is coded as VOGB –
T + 2 = V; R – 3 = O; E + 2 = G; E – 3 = B
Thus, TREE is coded as VOGB.
Similarly, follow the same pattern for BOOK→
B + 2 = D; O – 3 = L; O + 2 = Q; K – 3 = H

So, BOOK is coded as DLQH. Hence, the **third option** is correct.

Q. 122 **Directions:** In a certain code language, COLD is coded as 6428 and TIDE is coded as 9673. What is the code for D in the given code language?

Option 1:
2

Option 2:
6

Option 3:
3

Option 4:
9

Correct Answer:
6

Solution:
Given:
1. COLD⇒6428
2. TIDE⇒9673

By comparing all the above–coded words, we find that –
In sentences 1 and 2, **D** is a common letter and **6** is a common code.

So, **D** will be coded as **6**. Hence, the **second option** is correct.

Q. 123 **Directions:** If 17 * 36 = 17 and 41 * 56 = 16, then 41 * 32 = ?

Option 1:
6

Option 2:
12

Option 3:
10

Option 4:
8

Correct Answer:
10

Solution:
Given:
17 * 36 = 17

Add all the digits of 17 * 36 –
1 + 7 + 3 + 6 = 17
Thus, 17 * 36 = 17
Like, 41 * 56 –
4 + 1 + 5 + 6 = 16
Thus, 41 * 56 =16
Similarly, follow the same pattern for 41 * 32 –
4 + 1 + 3 + 2 = 10

So, 41 * 32 is coded as 10. Hence, the **third option** is correct.

Q. 124 **Directions:** If WING is written as *£?= and THEN as @$ ©? then how will NITE be written?

Option 1:
?*@©

Option 2:
?£@©

Option 3:
?£$©

Option 4:
?£@$

Correct Answer:
?£@©

Solution:
Given:
WING is written as *£?= and THEN as @$ ©?

Each letter of the word is assigned an individual code.
W→*, I→£, N→?, G→=, T→@, H→$, E→©

So, as per the above codes, NITE is coded as ?£@©. Hence, the **second option** is correct.

Q. 125 **Directions:** Some equations are solved based on a certain system. Find out the correct answer for the unsolved equation on that basis.
7 @ 6 @ 4 = 674, 8 @ 5 @ 3 = 583, 9 @ 1 @ 2 = ?

Option 1:
292

Option 2:
727

Option 3:
192

Option 4:
462

Correct Answer:
192

Solution:
Given:
7 @ 6 @ 4 = 674, 8 @ 5 @ 3 = 583

Here, 1st and 2nd digits of the first number are interchanging their positions to get the second number.
Like, 7 @ 6 @ 4 = 674→674

And in, 8 @ 5 @ 3 = 583→583
Similarly, in 9 @ 1 @ 2 = ?→192

So, the missing term is 192. Hence, the **third option** is correct.

Q. 126 **Directions:** Change the symbol and solve accordingly to find the correct answer from the alternatives given below.
9 @ 8 @ 7 = 24, 4 @ 7 @ 3 = 14, 2 @ 1 @ 9 = ?

Option 1:
10

Option 2:
18

Option 3:
11

Option 4:
12

Correct Answer:
12

Solution:
Given:
9 @ 8 @ 7 = 24, 4 @ 7 @ 3 = 14

Here, replace @ with +;
Like, 9 @ 8 @ 7 = 24→9 + 8 + 7 = 24,
And, 4 @ 7 @ 3 = 14→4 + 7 + 3 = 14
Similarly, follow the same pattern for 2 @ 1 @ 9 =?→2 + 1 + 9 = 12

So, the missing term is 12. Hence, the **fourth option** is correct.

Q. 127 **Directions:** Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.
4 × 5 = 42
5 × 6 = 56
6 × 7 = 72
7 × 8 = ?

Option 1:
84

Option 2:
90

Option 3:
92

Option 4:
102

Correct Answer:
90

Solution:
Given:
4 × 5 = 42; 5 × 6 = 56; 6 × 7 = 72; 7 × 8 = ?

Add 2 to each number and then multiply the resultant numbers, to get the required missing number –
4 × 5 = 42→(4 + 2) × (5 + 2) = 42
5 × 6 = 56→(5 + 2) × (6 + 2) = 56
6 × 7 = 72→(6 + 2) × (7 + 2) = 72
Similarly, follow the same pattern for 7 × 8 = ? –
7 × 8→(7 + 2) × (8 + 2) = 90

So, 90 is the required missing number. Hence, the **second option** is correct.

Q. 128 **Directions:** If code P is denoted by 7, X is denoted by 9, M is denoted by 5, Z is denoted by 8, L is denoted by 2, and T is denoted by 1, then what will ZLTPXM be?

Option 1:
812851

Option 2:
821591

Option 3:
812715

Option 4:
821795

Correct Answer:
821795

Solution:
Given:
P→7; X→9; M→5; Z→8; L→2; T→1

Substituting the above-coded values for the letters ZLTPXM –
ZLTPXM→821795

So, ZLTPXM is coded as 821795. Hence, the **fourth option** is correct.

Q. 129 **Directions:** If PENCIL is coded as ?@.=;7 and PAPER is coded as ?9?@5, how will you code CLIP?

Option 1:
@7;?

Option 2:
@?;?

Option 3:
=7?;

Option 4:
=7;?

Correct Answer:
=7;?

Solution:
Given:
PENCIL is coded as ?@.=;7 and PAPER is coded as ?9?@5.

Each letter of the word PENCIL is coded with the equivalent symbols and numbers given in the code –
P→?, E→@, N→., C→=, I→;, L→7
Thus, PENCIL is coded as ?@.=;7.
And, PAPER is coded as ?9?@ 5 –
P→?, A→9, P→?, E→@, R→5
All the letters of CLIP are given in PENCIL, therefore, the code for CLIP is→
C →=, L→7, I→;, P→?

So, CLIP is coded as =7;?. Hence, the **fourth option** is correct.

Q. 130 **Directions:** In a certain code language, YATCH is coded as 67 and DINE is coded as 40. How will MANGO be coded in that language?

Option 1:
57

Option 2:
60

Option 3:
62

Option 4:
65

Correct Answer:
60

Solution:
Given:
YATCH is coded as 67 and DINE is coded as 40.

Add the position value of the letters of the given word YATCH then add double the total number of letters in the word to obtain the required code –
Y→25; A→1; T→20; C→3; H→8
Now, add the position value of the given word YATCH then add double the total number of letters in the word –
(25 + 1 + 20 + 3 + 8) + (2 × 5) = 57 + 10 = 67
Thus, YATCH is coded as 67.
And, DINE is coded as 40 –
D→4; I→9; N→14; E→5

Now, add the position value of the given word DINE then add double the total number of letters in the word –
(4 + 9 + 14 + 5) + (2 × 4) = 32 + 8 = 40
Thus, DINE is coded as 40.
Similarly, follow the same pattern for MANGO→
M→13; A→1; N→14; G→7; O→15
Now, add the position value of the given word MANGO then add double the total number of letters in the word –
(13 + 1 + 14 + 7 + 15) + (2 × 5) = 50 + 10 = 60

So, MANGO is coded as 60. Hence, the **second option** is correct.

Q. 131 **Directions:** In a certain code language, **hairs are golden black** is coded as **@ rm pr kt**, **golden bells are sound** are coded as **ak @ kt #**, and **bells being loud** are coded as **# jm jk**. What can be the code for **bell sound** in that language?

Option 1:
ak @

Option 2:
ak #

Option 3:
ak jm

Option 4:
jm jk

Correct Answer:
ak #

Solution:
Given:
(I) hairs are golden black⇒@ rm pr kt
(II) golden bells are sound⇒ak @ kt #
(III) bells being loud⇒# jm jk

By comparing all the three coded sentences, we find that –
In sentences 1 and 2, **golden, are** and code **@, kt** are common.
In sentences 2 and 3, **bells** and code **#** are common.
The remaining words and code in sentence 1 are **hairs, black** and **rm, pr**; in sentence 2 are **sound and ak,** and in sentence 3 are **being, loud and jm, jk.**

So, **bell sound** will be coded as **# ak** or **ak #**. Hence, the **second option** is correct.

Q. 132 **Directions:** In a certain code language, **Toys are Hard** is coded as **# % @**, and **Games Magnet is Toys** is coded as **fr lm ag #**. What is the code for **Toys** in that language?

Option 1:
@

Option 2:
#

Option 3:
%

Option 4:
fr

Correct Answer:
#

Solution:
Given:
(I) Toys are hard⇒# % @
(II) Games magnet is toys⇒fr lm ag #

By comparing the sentences, (I) and (II) the common word and code are **toys** and **#**.

So, Toys is coded as #. Hence, the **second option** is correct.

Q. 133 **Directions:** In a certain code language, **Here we go west** is written as **8649**, **West and East best** is written as **4 @ # pr**, and **East direction sun** is written as **# jt qm**. Which one of the following is the possible code for **direction east** in that code language?

Option 1:
@ jt

Option 2:
qm it

Option 3:
4 qm

Option 4:
qm

Correct Answer:
qm

Solution:
Given:
(I) Here we go west⇒8649
(II) West and east best⇒4 @ # pr
(III) East direction sun⇒# jt qm.

By comparing, the given coded sentences –
In sentences I and II, **west** and **4** are common.
In sentences II and III, **east** and **#** are common.
The remaining words and codes in the sentence I are **here**, **we**, **go,** and **8**, **6**, **9**; in sentence II **and**, **best** and **@**, **pr**; in sentence III **direction**, **sun,** and **jt**, **qm**.
Finally, west→4; east→#; here→8/6/9; we→8/6/9; go→8/6/9; and→@/pr; best→@/pr; direction→jt/qm; sun→jt/qm

So, **direction east** is coded as **# jt** or **# qm.** Hence, the **fourth option** is correct.

Q. 134 **Directions:** In a certain code language, **Flames are Bright is written** as **@ # %** and **Bright is sun flames** is written as *** # 7 @**. Which one of the following is the possible code for **is** in that code language?

Option 1:
%

Option 2:
@

Option 3:
#

Option 4:
*

Correct Answer:
*

Solution:
Given:
(I) Flames are bright⇒@ # %
(II) Bright is sun flames⇒* # 7 @

By comparing all the three coded sentences, we find that –
In sentence I and II, **Flames** and **bright** are common, and codes **@** and **#** are common.
The remaining words and codes in sentence I are **are** and **%** and in sentence II **is**, **sun** and *****, **7**.
Finally, Flames/bright⇒@/#; are⇒%; is/sun⇒*7;
Thus, **'is'** is written as ***** or **7**. As 7 is not given in the options.

So, the possible code for **is**→ *****. Hence, the **fourth option** is correct.

Q. 135 **Directions:** In a certain code language, Parties are scrumptious is written as @ # %, Peter loves parties is written as % fr know, and Here scrumptious are cakes is written as # 6 9 @. What can be the possible code for Here parties in that code language?

Option 1:
9

Option 2:
% #

Option 3:
6 9

Option 4:
% 9

Correct Answer:
% 9

Solution:
Given:
(I) Parties are scrumptious is written as @ # %
(II) Peter loves parties is written as % fr kn
(III) Here scrumptious are cakes is written as # 6 9 @
→On comparing the sentences, (I) and (II) the word and symbol **parties** and **%** are common.
→On comparing the sentences, (I) and (III) the word and symbol **are, Scrumptious** and **@, #** are common.
The remaining words and code In sentence II are **Peter**, **loves,** and **fr**, **kn**. In sentence III is **here**, **cakes** and **6**,**9**.
Here the codes of the words are **Parties→%, Are→ @ or #, Scrumptious → @ or #, Peter → fr or kn, loves→ fr or kn, here→ 6 or 9 and cakes→ 6 or 9.**

So, the possible code for **Here parties** is **%6** or **%9**. Here in the options **%9** is given. Hence, the **fourth option** is correct.

Q. 136 **Directions:** In a certain code language, SUN is written as 54 and PUT is written as 57. How is CAT written in that code language?

Option 1:
28

Option 2:
24

Option 3:
52

Option 4:
36

Correct Answer:
24

Solution:
Given:
SUN is written as 54 and PUT is written as 57.

SUN is written as 54; S→19; U→21; N→14
Add all the place values to get the number→19 + 21 + 14 = 54

PUT is written as 57; P→16; U→21; T→20
Add all the place values to get the number→16 + 21 + 20 = 57

Similarly, for CAT; C→3; A→1; T→20
Add all the place values to get the number→3 + 1 + 20 = 24

Thus, CAT is coded as 24. Hence, the **second option** is correct.

Q. 137 **Directions:** In a certain code language, HIM – ACE is written as 21. How is SIP – TAG written in that code language?

Option 1:
12

Option 2:
16

Option 3:
14

Option 4:
19

Correct Answer:
16

Solution:
Given:
HIM – ACE is written as 21.

H→8; I→9; M→13; add all the place values to get the number→8 + 9 + 13 = 30
A→1; C→3; E→5; add all the place values to get the number→1 + 3 + 5 = 9
Now, subtract the second number from the first→30 – 9 = 21

Similarly, for SIP – TAG –
S→19; I→9; P→16; add all the place values to get the number→19 + 9 + 16 = 44
T→20; A→1; G→7; add all the place values to get the number→20 + 1 + 7 = 28
Now, subtract the second value from the first→44 – 28 = 16

Thus, SIP – TAG is coded as 16. Hence, the **second option** is correct.

Q. 138 **Directions:** In a certain code language, PARK is written as 92 and WALK is written as 94. How is LOSS written in that code language?

Option 1:
65

Option 2:
130

Option 3:
195

Option 4:
180

Correct Answer:
130

Solution:
Given:
PARK is written as 92 and WALK is written as 94.

PARK→The place value of P is 16, A is 1, R is 18, and K is 11.
Add all the place values to get the number→16 + 1 + 18 + 11 = 46
Then, multiply it by 2→46 × 2 = 92

WALK→The place value of W is 23, A is 1, L is 12, and K is 11.
Add all the place values to get the number→23 + 1 + 12 + 11 = 47
Then, multiply it by 2→47 × 2 = 94

Similarly, for LOSS –

The place value of L is 12, O is 15, and S is 19.

Add all the place values to get the number→12 + 15 + 19 + 19 = 65

Then, multiply it by 2→65 × 2 = 130

Thus, LOSS is coded as 130. Hence, the **second option** is correct.

Q. 139 **Directions:** In a certain code language, ADD is written as 8 and SUB is written as 41. How is MUL written in that code language?

Option 1:
44

Option 2:
45

Option 3:
43

Option 4:
42

Correct Answer:
45

Solution:

Given:

ADD is written as 8, and SUB is written as 41.

ADD→The place value of A is 1 and D is 4.
Add all the place values to get the sum→1 + 4 + 4 = 9
Then, subtract 1 from 9 which is 8.

SUB→The place value of S is 19, U is 21, and B is 2.
Add all the place values to get the sum→19 + 21 + 2 = 42
Then, subtract 1 from 42 which is 41.

Similarly, for MUL –
The place value of M is 13, U is 21, and L is 12.
Add all the place values to get the sum→13 + 21 + 12 = 46
Then, subtract 1 from 46 which is 45.

Thus, MUL is coded as 45. Hence, the **second option** is correct.

Q. 140 **Directions:** In a certain code language, BAD is written as 412, and MUD is written as 42113. How is RUN written in that code language?

Option 1:
142118

Option 2:
181213

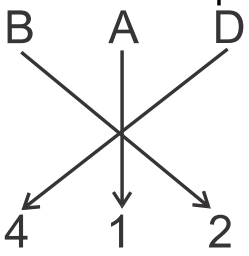
Option 3:
141218

Option 4:
141412

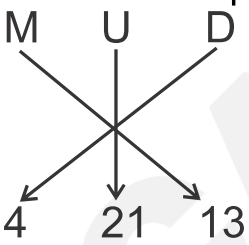
Correct Answer:
142118

Solution:
Given:
BAD is written as 412 and MUD is written as 42113.

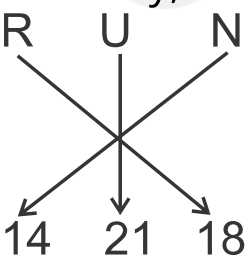
BAD→The place value of B is 2, A is 1, and D is 4.



MUD→The place value of M is 13, U is 21, and D is 4.



Similarly, for RUN→The place value of R is 18, U is 21, and N is 14.



Thus, RUN is coded as 142118. Hence, the **first option** is correct.

Q. 141 **Directions:** In a certain code language, PLATE is written as 32876, and BLEND is written as 52694. How is DENTED written in that code language?

Option 1:
869768

Option 2:
295329

Option 3:
469764

Option 4:
538635

Correct Answer:
469764

Solution:
Given:
PLATE is written as 32876 and BLEND is written as 52694.

The code for the letters in PLATE is P→3; L→2; A→8; T→7; E→6
The code for the letters in BLEND is B→5; L→2; E→6; N→9; D→4
The code for the letters in DENTED can be obtained from the letters

of the words PLATE and BLEND.
The letters of DENTED are coded as D→4; E→6; N→9; T→7

DENTED will be coded as 469764. Hence, the **third option** is correct.

Q. 142 **Directions:** In a certain code language, RUN is written as 50 and BUS is written as 39. How is GUN written?

Option 1:
37

Option 2:
38

Option 3:
39

Option 4:
42

Correct Answer:
39

Solution:
Given:
RUN is written as 50, and BUS is written as 39.

Like, RUN→(18 + 21 + 14) – 3 = 53 – 3 = 50
So, RUN is written as 50.

BUS→(2 + 21 + 19) – 3 = 42 – 3 = 39
So, BUS is written as 39.

Similarly, for GUN→(7 + 21 + 14) – 3 = 42 – 3 = 39
So, GUN is written as 39.

Hence, the **third option** is correct.

Q. 143 **Directions:** In a certain code language, RAIN is written as 45 and GOOD is written as 44. How is DROP written?

Option 1:
53

Option 2:
56

Option 3:
55

Option 4:
63

Correct Answer:
56

Solution:
Given:
RAIN is written as 45 and GOOD is written as 44.

Like, RAIN→(18 + 1 + 9 + 14) + 3 = 42 + 3 = 45
So, RAIN is written as 45.

GOOD→(7 + 15 + 15 + 4) + 3 = 41 + 3 = 44
So, GOOD is written as 44.

Similarly, for DROP→(4 + 18 + 15 + 16) + 3 = 53 + 3 = 56
So, DROP is written as 56.

Hence, the **second option** is correct.

Q. 144 **Directions:** In a certain code language, CASIO is written as 3119915. How is CITIZEN written in that code language?

Option 1:
295629134

Option 2:
3192295614

Option 3:
3912659214

Option 4:
3920926514

Correct Answer:
3920926514

Solution:
Given:
CASIO is written as 3119915.

The position value of the letters of CASIO –

LETTERS	C	A	S	I	O
POSITION VALUE	3	1	19	9	15

Thus, CASIO is coded as 3119915.
Similarly, follow the same pattern for CITIZEN –
Position value of the letters of CITIZEN –

LETTERS	C	I	T	I	Z	E	N
POSITION VALUE	3	9	20	9	26	5	14

Thus, CITIZEN is coded as 3920926514.

Only the fourth option follows the same pattern as followed by the given word. Hence, the **fourth option** is correct.

Q. 145 **Directions:** In a certain code language, MASTER is written as 682145 and STAMP is written as 21869. How is PASTE written in that code language?

Option 1:
82145

Option 2:
98214

Option 3:
69218

Option 4:
95184

Correct Answer:
98214

Solution:
Given:
MASTER is written as 682145 and STAMP is written as 21869.

Common letters in the given words MASTER and STAMP are M, A, S, and T, and the codes for these common letters are 6, 8, 2, and 1, respectively.
From the above information, it is evident that each letter of the word is assigned a different code number, i.e., M→6; A→8; S→2; T→1; E→4; R→5; P→9
Therefore, using the above codes for PASTE –
P→9; A→8; S→2; T→1; E→4
Thus, PASTE is coded as 98214.

Only the second option follows the same pattern as followed by the given word. Hence, the **second option** is correct.

Q. 146 **Directions:** In a certain code language, ARMS is written as 5467 and LIAR is written as 1254. How is SMALL written in that code language?

Option 1:
76521

Option 2:
76512

Option 3:
76511

Option 4:
76544

Correct Answer:
76511

Solution:
Given:
ARMS is written as 5467 and LIAR is written as 1254.

Here, each letter of the word ARMS is coded with an equivalent number –
A→5; R→4; M→6; S→7
Thus, ARMS is coded as 5467.
And in, LIAR is written as 1254 –
L→1; I→2; A→5; R→4
Thus, LIAR is coded as 1254.
Similarly, follow the same pattern for SMALL –
S→7; M→6; A→5; L→1; L→1

Thus, the code for SMALL is 76511. Hence, the **third option** is correct.

Q. 147 **Directions:** In a certain code language, READER is written as 123421 and DIRTY is written as 49178. How is DEARER written in that code language?

Option 1:
432121

Option 2:
423212

Option 3:
423121

Option 4:
412312

Correct Answer:
423121

Solution:
Given:
READER is written as 123421 and DIRTY is written as 49178.

On combining the letters of both the given words, the codes for each letter are –
Like, READER is written as 123421; R→1; E→2; A→3; D→4; E→2; R→1
And, DIRTY is written as 49178; D→4; I→9; R→1; T→7; Y→8
Similarly, DEARER; D→4; E→2; A→3; R→1; E→2; R→1

So, DEARER is coded as 423121 in the code language. Hence, the **third option** is correct.

Q. 148 **Directions:** In a certain code language, NUMBER is written as 156897, and BARREN is written as 847791. How is RUBBER written in that code language?

Option 1:
759597

Option 2:
758897

Option 3:
795957

Option 4:
795579

Correct Answer:
758897

Solution:
Given:
NUMBER is written as 156897 and BARREN is written as 847791.

On combining the letters of both the given words, the codes for each letter are –
Like, NUMBER is written as 156897; N→1; U→5; M→6; B→8; E→9; R→7
And, BARREN is written as 847791; B→8; A→4; R→7; R→7; E→9; N→1
Now, use the above codes to determine the code for each letter of RUBBER –
R→7; U→5; B→8; B→8; E→9; R→7

So, RUBBER is written as 758897. Hence, the **second option** is correct.

Q. 149 **Directions:** In a certain code language, DOCTOR is written as 342745, and PATIENT is written as 8679017. How is RADIANT written in that code language?

Option 1:
5639617

Option 2:
5634627

Option 3:
5639417

Option 4:
5639427

Correct Answer:
5639617

Solution:
Given:
DOCTOR is written as 342745 and PATIENT is written as 8679017.

On combining the letters of both the given words, the codes for each letter are –
Like, DOCTOR is written as 342745; D→3; O→4; C→2; T→7; O→4; R→5

And, PATIENT is written as 8679017; P→8; A→6; T→7; I→9; E→0; N→1; T→7
Now, use the above codes to determine the code for each letter of RADIANT –
R→5; A→6; D→3; I→9; A→6; N→1; T→7

So, RADIANT is written as 5639617. Hence, the **first option** is correct.

Q. 150 **Directions:** In a certain code language, READ is written as 18514. How is RATE written in that code language?

Option 1:
181520

Option 2:
181025

Option 3:
181205

Option 4:
181914

Correct Answer:
181205

Solution:

Given:
READ is written as 18514.

Like, place values of the letters of READ, R→18; E→5; A→1; D→4
Similarly, place values of the letters of RATE, R→18; A→1; T→20; E→5

So, RATE is written as 181205. Hence, the **third option** is correct.

Q. 151 **Directions:** In a certain code language, STATION is written as 5313462, and RED is written as 789. How is TRAIN written in that code language?

Option 1:
73241

Option 2:
37421

Option 3:
37142

Option 4:
37412

Correct Answer:
37142

Solution:
Given:
STATION is written as 5313462 and RED is written as 789.

On combining the letters of both the given words, the codes for each letter are –
Like, STATION is written as 5313462; S→5; T→3; A→1; T→3; I→4; O→6; N→2
And, RED is written as 789; R→7; E→8; D→9
Now, use the above codes to determine the code for each letter of TRAIN –
T→3; R→7; A→1; I→4; N→2

So, TRAIN is written as 37142. Hence, the **third option** is correct.

Q. 152 **Directions:** In a certain code language, NUMBER is written as 156897, and BARREN is written as 847791. How is RUBBER written in that code language?

Option 1:
759597

Option 2:
758897

Option 3:
795957

Option 4:
795579

Correct Answer:
758897

Solution:
Given:
NUMBER is written as 156897 and BARREN is written as 847791.

Each letter of NUMBER is assigned an equivalent code number as shown below –
N→1; U→5; M→6; B→8; E→9; R→7; A→4
Thus, NUMBER is coded as 156897.
And in, BARREN is written as 847791 –
B→8; A→4; R→7; R→7; E→9; N→1
Thus, BARREN is written as 847791.
Similarly, follow the same pattern for RUBBER –
R→7; U→5; B→8; B→8; E→9; R→7

Thus, RUBBER is coded as 758897. Hence, the **second option** is correct.

Q. 153 **Directions:** In a certain code language TEARS is written as 20511819 and LUNGS is written as 122114719. How is DANCE written in that code language?

Option 1:
421326

Option 2:
526142422

Option 3:
51142422

Option 4:
411435

Correct Answer:
411435

Solution:
Given:
TEARS is written as 20511819 and LUNGS is written as 122114719.

The position value of each letter of TEARS –

LETTERS	T	E	A	R	S
POSITION VALUES	20	5	1	18	19

Thus, TEARS is coded as 20511819.
Likewise, the position value of each letter of LUNGS –

LETTERS	L	U	N	G	S
POSITION VALUES	12	21	14	7	19

Thus, LUNGS is coded as 122114719.
Similarly, follow the same pattern for DANCE –
The position value of each letter of DANCE –

LETTERS	D	A	N	C	E
POSITION VALUES	4	1	14	3	5

Thus, DANCE is coded as 411435. Hence, the **fourth option** is correct.

Q. 154 **Directions:** Letters given in the first line have codes as in the second line –

X	C	Y	O	M	G	I	R	Q	V
8	4	1	6	2	0	9	3	5	7

How will the letters VGIXRM be coded?

Option 1:
709823

Option 2:
709835

Option 3:
709832

Option 4:
708635

Correct Answer:
709832

Solution:
Given:

X	C	Y	O	M	G	I	R	Q	V
8	4	1	6	2	0	9	3	5	7

According to the codes,
V = 7; G = 0; I = 9; X = 8; R = 3; M = 2

Therefore, VGIXRM will be coded as 709832. Hence, the **third option** is correct.

Q. 155 **Directions:** In a certain code language, BEAK is coded as 4392 and RAKE is coded as 9034. What is the code for B in the given code language?

Option 1:
3

Option 2:
2

Option 3:
4

Option 4:
9

Correct Answer:
2

Solution:
Given:
BEAK is coded as 4392 and RAKE is coded as 9304.

Here, in both words, the letters E, A, and K are common.
And, in both the codes, 4, 3, and 9 are common numbers and A, K, and E are common letters.
Therefore, the number remaining in the word BEAK is 2.
So, B is coded number 2.

Therefore, B is coded as 2. Hence, the **second option** is correct.

Q. 156 **Directions:** In a certain code language, ABOVE is written as 9 and SHINE is written as 11. How will PARTY be written in that language?

Option 1:
12

Option 2:
16

Option 3:
15

Option 4:
13

Correct Answer:
16

Solution:
Given:
The code for ABOVE is 9 and the code for SHINE is 11.

Add the place values of the letters of the words ABOVE and SHINE and then divide the resultant by 5 to get their codes –
ABOVE; A→1; B→2; O→15; V→22; E→5
Add all the place values to get the number; 1 + 2 + 15 + 22 + 5 = 45; 45 ÷ 5 = 9
Thus, ABOVE is coded as 9.
SHINE; S→19; H→8; I→9; N→14; E→5
Add all the place values to get the number; 19 + 8 + 9 + 14 + 5 = 55; 55 ÷ 5 = 11
Thus, SHINE is coded as 11.
Similarly, follow the same pattern for PARTY –
P→16; A→1; R→18; T→20; Y→25
Add all the place values to get the number – 16 + 1 + 18 + 20 + 25 = 80; 80 ÷ 5 = 16

Thus, PARTY is coded as 16. Hence, the **second option** is correct.

Q. 157 **Directions:** In a certain code language, RAT is coded as 27 and ZEBRA is coded as 125. How will RABBIT be coded in that language?

Option 1:
236

Option 2:
224

Option 3:
212

Option 4:
216

Correct Answer:
216

Solution:
Given:
The code for RAT is 27 and the code for ZEBRA is 125.

Write the cube of the number of RAT to get the required code –
RAT has 3 letters; $(3)^3 = 27$
Thus, RAT is coded as 27.
And in, ZEBRA is 125 –
ZEBRA has 5 letters; $(5)^3 = 125$
Thus, ZEBRA is coded as 125.
Similarly, follow the same pattern for RABBIT –
RABBIT has 6 letters; $(6)^3 = 216$

Thus, RABBIT is coded as 216. Hence, the **fourth option** is correct.

Q. 158 **Directions:** In a certain code language, if EAR is written as 2037 and PBU is written as 23418, how will DIG be written in the same code language?

Option 1:
9116

Option 2:
7106

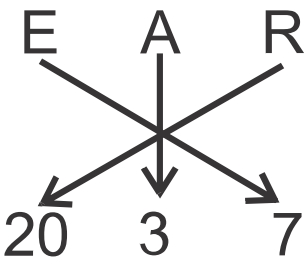
Option 3:
4108

Option 4:
8114

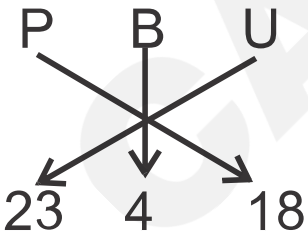
Correct Answer:
9116

Solution:
Given:
EAR is coded as 2037 and PBU is coded as 23418.

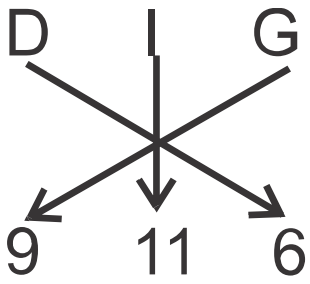
Add 2 to the place value of EAR and shuffle their position as shown to get the required code –
E + 2→7; A + 2→3; R + 2→20
Shuffle the positions to get the missing code –



Thus, EAR is coded as 2037.
And in, PBU is coded as 23418 –
PBU; P + 2→18; B + 2→4; U + 2→23
Shuffle the positions to get the missing code –



Thus, PBU is coded as 23418.
Similarly, follow the same pattern for DIG –
D + 2→6; I + 2→11; G + 2→9
Shuffle the position to get the missing code –



Thus, DIG is coded as 9116. Hence, the **first option** is correct.

Q. 159 **Directions:** In a certain code language, GALE is coded as 3576, and FLAG is coded as 7361. What is the code for E in the given code language?

Option 1:
6

Option 2:
5

Option 3:
3

Option 4:
7

Correct Answer:
5

Solution:

Given:

GALE is coded as 3576, and FLAG is coded as 7361.

On comparing both the coded words, we find that –
In the given words, G, A, L, and the codes 3, 6, and 7 are common.
The remaining letters and code in the word GALE are E and 5.

Therefore, the code for E is 5. Hence, the **second option** is correct.

Q. 160 **Directions:** In a certain code language, RAT is coded as 39 and MICE is coded as 30. How will ZEBRA be coded in that language?

Option 1:
53

Option 2:
52

Option 3:
51

Option 4:
50

Correct Answer:
52

Solution:
Given:
RAT is coded as 39 and MICE is coded as 30.

Add the positional value of RAT, to obtain the required code –
R→18; A→1; T→20
Now add the position values = 18 + 1 + 20 = 39
So, RAT is coded as 39.
And in, MICE is coded as 30 –
M→13; I→9; C→3; E→5
Now add the position values = 13 + 9 + 3 + 5 = 30
So, MICE is coded as 30.
Similarly, follow the same pattern for ZEBRA –
Z→26; E→5; B→2; R→18; A→1
Now add the position values = 26 + 5 + 2 + 18 + 1 = 52

So, ZEBRA is written as 52 in the code language. Hence, the **second option** is correct.

Q. 161 **Directions:** In a certain code language, CAKE is written as 6874, and EASY is written as 4882. How will MAKE be written in that language?

Option 1:
5875

Option 2:
5874

Option 3:
5884

Option 4:
5774

Correct Answer:
5874

Solution:
Given:
CAKE is coded as 6874 and EASY is coded as 4882.

Each letter of CAKE is assigned an equivalent code number –
C→6; A→8; K→7; E→4
Thus, CAKE is coded as 6874.
And in, EASY is coded as 4882 –
E→4; A→8; S→8; Y→2
Thus, EASY is coded as 4882.
Similarly, follow the same pattern for MAKE –
M→?; A→8; K→7; E→4
The last three digits for the code of MAKE are 874.
Only the second option has 874 as its last three-digit code.

Thus, MAKE is coded as 5874. Hence, the **second option** is correct.

Q. 162 **Directions:** In a certain code language, if RPD is written as 43 and FCL is written as 60, how will QTS be written in the same code language?

Option 1:
35

Option 2:
28

Option 3:
25

Option 4:
40

Correct Answer:
25

Solution:
Given:
RPD is written as 43 and FCL is written as 60.

Add the position value of the opposite letter pairs of RPD to get the required code –

LETTERS	R	P	D
OPPOSITE LETTER PAIRS	I	K	W

POSITIONAL VALUES	9	11	23

RPD→9 + 11 + 23 = 43

Thus, RPD is coded as 43.

And in, FCL is written as 60 –

Add the position value of the opposite letter pairs of FCL to get the required code –

LETTERS	F	C	L
OPPOSITE LETTER PAIRS	U	X	O
POSITIONAL VALUES	21	24	15

FCL→21 + 24 + 15 = 60

Thus, FCL is coded as 60.

Similarly, follow the same pattern for QTS –

LETTERS	Q	T	S
OPPOSITE LETTER PAIRS	J	G	H
POSITIONAL VALUES	10	7	8

QTS→10 + 7 + 8 = 25

Thus, QTS is coded as 25. Hence, the **third option** is correct.

Q. 163 **Directions:** In a certain code language, BENT is coded as 3198 and DEBT is coded as 8316. What is the code for N in the given code language?

Option 1:

1

Option 2:
9

Option 3:
3

Option 4:
8

Correct Answer:
9

Solution:
Given:
BENT is coded as 3198, and DEBT is coded as 8316.

Compare both the given words, BENT, and DEBT. In both the words, (B, E, T) are the common letters, and in their codes (1, 3, 8) are the common digits.
So, in the word BENT, N is the remaining letter and in its code 9 is the remaining digit.
Similarly, in the word DEBT, D is the remaining letter and in its code 6 is the remaining digit.

So, N is coded as 9. Hence, the **second option** is correct.

Q. 164 **Directions:** In a certain code language, EACH is written as 97, and EASY is written as 64. How will ECHO be written in that language?

Option 1:
85

Option 2:
82

Option 3:
83

Option 4:
86

Correct Answer:
83

Solution:
Given:
EACH is written as 97, and EASY is written as 64.

Add 6 to the sum of the position values of the opposite letter pairs of the word EACH to get the required code –

LETTERS	E	A	C	H
OPPOSITE LETTER PAIRS	V	Z	X	S

POSITION VALUE	22	26	24	19

(22 + 26 + 24 + 19) + 6 = 97

Thus, EACH is coded as 97.

And, EASY is written as 64 –

LETTERS	E	A	S	Y
OPPOSITE LETTER PAIRS	V	Z	H	B
POSITION VALUE	22	26	8	2

(22 + 26 + 8 + 2) + 6 = 64

Thus, EASY is coded as 64.

Similarly, follow the same pattern for ECHO –

LETTERS	E	C	H	O
OPPOSITE LETTER PAIRS	V	X	S	L
POSITION VALUE	22	24	19	12

(22 + 24 + 19 + 12) + 6 = 83

Thus, ECHO is coded as 83. Hence, the **third option** is correct.

Q. 165 **Directions:** In a certain code language, SLAP is coded as 3160, and PAST is coded as 6071. What is the code for L in the given code language?

Option 1:
3

Option 2:
1

Option 3:
6

Option 4:
0

Correct Answer:
3

Solution:
Given:
1. SLAP ⇒ 3160
2. PAST ⇒ 6071

After comparing both the words and letters, we get –
In word 1 and word 2, the common letters are A, S, P and the common codes are 6, 0, 1.
The remaining letter and code in word 1 are L and 3; in word 2 the remaining letter and code are T and 7.

So, the code for L is 3. Hence, the **first option** is correct.

Q. 166 **Directions:** In a certain code language, DUST is coded as 16 and EARTH is coded as 25. How will MAN be coded in the same language?

Option 1:
12

Option 2:
9

Option 3:
6

Option 4:
36

Correct Answer:
9

Solution:
Given
DUST is coded as 16 and EARTH is coded as 25.

Square the number of letters in DUST, to obtain the required code –
The number of letters in the word DUST = 4; $(4)^2 = 16$
Thus, DUST is coded as 16.
And, EARTH is coded as 25 –
The number of letters in the word EARTH = 5; $(5)^2 = 25$
Thus, EARTH is coded as 25.
Similarly, follow the same pattern for MAN –
The number of letters in the word MAN = 3; $(3)^2 = 9$

Thus, MAN is coded as 9. Hence, the **second option** is correct.

Q. 167 **Directions:** In a certain code language, if CBVQ is written as 652520 and FRJT is written as 9211323, how will EHLP be written in the same code language?

Option 1:
80121421

Option 2:
7910520

Option 3:
8012514

Option 4:
8111519

Correct Answer:
8111519

Solution:
Given:
CBVQ is written as 652520 and FRJT is written as 9211323.

Add 3 to the place values of each letter of CBVQ, to obtain the required code –
C = 3 + 3 = 6; B = 2 + 3 = 5; V = 22 + 3 = 25; Q = 17 + 3 = 20
Thus, CBVQ is coded as 652520.

And, FRJT is written as 9211323 –
F = 6 + 3 = 9; R = 18 + 3 = 21; J = 10 + 3 = 13; T = 20 + 3 = 23
Thus, FRJT is coded as 9211323.
Similarly, follow the same pattern for EHLP –
E = 5 + 3 = 8; H = 8 + 3 = 11; L = 12 + 3 = 15; P = 16 + 3 = 19

Thus, EHLP is coded as 8111519. Hence, the **fourth option** is correct.

Q. 168 **Directions:** In a certain code language, BOOK is written as 325, and READ is written as 400. How will ABLE be written in that language?

Option 1:
445

Option 2:
440

Option 3:
442

Option 4:
438

Correct Answer:
440

Solution:
Given:
The code for BOOK is 325 and the code for READ is 400.

Add the place value of the opposite letters of BOOK and multiply the resultant by 5, to get the required code –
The opposite letters of the letters of BOOK; B→Y; O→L; O→L; K→P
Place values of Y→25; L→12; L→12; P→16
BOOK→(25 + 12 + 12 + 16) × 5 = 325
Thus, BOOK is coded as 325.
And, READ is coded as 400 –
The opposite letters of the letters READ; R→I; E→V; A→Z; D→W
Place value of I→9; V→22; Z→26; W→23
READ→(9 + 22 + 26 + 23) × 5 = 400
Thus, READ is coded as 400.
Similarly, follow the same pattern for ABLE;
The opposite letters of the letters ABLE; A→Z; B→Y; L→O; E→V
Place value of Z→26; Y→25; O→15; V→22
ABLE→(26 + 25 + 15 + 22) × 5 = 440

Thus, ABLE is coded as 440. Hence, the **second option** is correct.

Q. 169 **Directions:** In a certain code language, PEN is coded as 9, and PAPER is coded as 25. How will the CHAPTER be coded in the same language?

Option 1:
36

Option 2:
49

Option 3:
24

Option 4:
42

Correct Answer:
49

Solution:
Given:
PEN is coded as 9 and PAPER is coded as 25.

Square the number of letters in PEN, to get the required code –
The number of letters in PEN is 3, and $3^2 = 9$
Thus, PEN is coded as 9.
And, PAPER is coded as 25 –
The number of letters in PAPER is 5, and $5^2 = 25$
Thus, PAPER is coded as 25.
Similarly, follow the same pattern for CHAPTER –
The number of letters in CHAPTER is 7, and $7^2 = 49$

Thus, CHAPTER is coded as 49. Hence, the **second option** is correct.

Q. 170 **Directions:** In a certain code language, ROSE is coded as 228 and TULIP is coded as 390. How will LOTUS be coded in that language?

Option 1:
435

Option 2:
425

Option 3:
430

Option 4:
420

Correct Answer:
435

Solution:
Given:
ROSE is coded as 228 and TULIP is coded as 390.

Add the position values of each letter of ROSE and then multiply it by the number of letters in the word to get the required code –
Position value of letters of ROSE; R→18; O→15; S→19; E→5
And, the number of letters in ROSE = 4

⇒ (18 + 15 + 19 + 5) × 4 = 57 × 4 = 228
Thus, ROSE is coded as 228.
And, TULIP is coded as 390 –
Position value of letters of TULIP; T→20; U→21; L→12; I→9; P→16
And, the number of letters in TULIP = 5
⇒ (20 + 21 + 12 + 9 + 16) × 5 = 78 × 5 = 390
Thus, TULIP is coded as 390.
Similarly, follow the same pattern for LOTUS –
Position value of letters of LOTUS; L→12; O→15; T→20; U→21; S→19
And the number of letters in LOTUS = 5
⇒ (12 + 15 + 20 + 21 + 19) × 5 = 87 × 5 = 435

Thus, LOTUS is coded as 435. Hence, the **first option** is correct.

Q. 171 **Directions:** In a certain code language, TRIM is coded as 6794, and MINT is coded as 3679. What is the code for R in the given code language?

Option 1:
9

Option 2:
4

Option 3:
3

Option 4:
7

Correct Answer:
4

Solution:
Given:
1. TRIM ⇒ 6794
2. MINT ⇒ 3679

By comparing the coded words, we find that –
In words 1 and 2, the common letters are M, I, and T and the common codes are 7, 9, and 6.
The remaining letters and codes in word 1 are R and 4, and in word 2, are N and 3.
Finally, M/I/T→7/9/6; R→4; N→3

So, the code for R is 4 in the code language. Hence, the **second option** is correct.

Q. 172 **Directions:** In a certain code language, ASK is written as 62 and BYE is written as 64. How will CRY be written in that language?

Option 1:
68

Option 2:
72

Option 3:
86

Option 4:
92

Correct Answer:
92

Solution:
Given:
ASK is coded as 62 and BYE is coded as 64.

Multiply the sum of the position values of the letters of the word ASK by 2 to get the required code –
A→1; S→19; K→11
⇒ (1 + 19 + 11) × 2 = 31 × 2 = 62
Thus, ASK is coded as 62.
And, BYE is coded as 64 –
B→2; Y→25; E→5
⇒ (2 + 25 + 5) × 2 = 32 × 2 = 64
Thus, BYE is coded as 64.
Similarly, follow the same pattern for CRY –
C→3; R→18; Y→25
⇒ (3 + 18 + 25) × 2 = 46 × 2 = 92

Thus, CRY is coded as 92. Hence, the **fourth option** is correct.

Q. 173 **Directions:** In a certain code language, PRINT is coded as 38724 and NITRO is coded as 23687. What is the code for O in the given code language?

Option 1:
3

Option 2:
4

Option 3:
6

Option 4:
8

Correct Answer:
6

Solution:
Given:
1. PRINT ⇒ 38724
2. NITRO ⇒ 23687

By comparing the coded words, we find that –
In words 1 and 2, R, I, N, T and 3, 8, 7, 2 are common.
The remaining letters and code in word 1 are P and 4 and in word 2

are O and 6.
Finally, P→4; O→6; R/ I/ N/ T→3/8/7/2

So, the code for O is 6 in the code language. Hence, the **third option** is correct.

Q. 174 **Directions:** In a certain code language, if PDU is written as 40 and HXO is written as 34, how will BMW be written in the same code language?

Option 1:
28

Option 2:
36

Option 3:
43

Option 4:
34

Correct Answer:
43

Solution:

Given:

PDU is written as 40 and HXO is written as 34.

Add the place values of opposite letters of PDU, to obtain the required code –

Opposite letter→P – K; D – W; U – F

Place values of the opposite letter→K – 11; W – 23; F – 6

Now, add the place values→11 + 23 + 6 = 40

Thus, PDU is coded as 40.

And, HXO is written as 34 –

Opposite letter→H – S; X – C; O – L

Place values of the opposite letter→S – 19; C – 3; L – 12

Now, add the place values→19 + 3 + 12 = 34

Thus, HXO is coded as 34.

Similarly, follow the same pattern for BMW→

Opposite letter→B – Y; M – N; W – D

Place values of the opposite letter→Y – 25; N – 14; D – 4

Now, add the place values→25 + 14 + 4 = 43

Thus, BMW is coded as 43. Hence, the **third option** is correct.

Q. 175 **Directions:** In a certain code language, FLORENCE is coded as 86, and GRATITUDE is coded as 114. How is FOREIGN coded in the given language?

Option 1:
74

Option 2:
77

Option 3:
81

Option 4:
79

Correct Answer:
81

Solution:
Given:
FLORENCE is coded as 86 and GRATITUDE is coded as 114.

Add the number of the letters of FLORENCE with the sum of the place value of each letter, to obtain the required code –
Place values of the letters→F = 6; L = 12; O = 15; R = 18; E = 5; N = 14; C = 3; E = 5
Now, add the place values→6 + 12 + 15 + 18 + 5 + 14 + 3 + 5 = 78
There are a total of 8 letters in FLORENCE→78 + 8 = 86
Thus, FLORENCE is coded as 86.
And, GRATITUDE is coded as 114 –
Place values of the letters→G = 7; R = 18; A = 1; T = 20; I = 9; T = 20; U

= 21; D = 4; E = 5

Now, add the place values→7 + 18 + 1 + 20 + 9 + 20 + 21 + 4 + 5 = 105

There are a total of 9 letters in GRATITUDE→105 + 9 = 114

Thus, GRATITUDE is coded as 114.

Similarly, follow the same pattern for FOREIGN –

Place values of the letters→F = 6; O = 15; R = 18; E = 5; I = 9; G = 7; N = 14

Now, add the place values→6 + 15 + 18 + 5 + 9 + 7 + 14 = 74

There are a total of 7 letters in FOREIGN→74 + 7 = 81

Thus, FOREIGN is coded as 81. Hence, the **third option** is correct.

Q. 176 **Directions:** If C = 3, CEP = 24 then what will be the value of HUX?

Option 1:
47

Option 2:
49

Option 3:
51

Option 4:
53

Correct Answer:
53

Solution:
Given:
C = 3, CEP = 24

The place value of C is 3.
Thus, C is coded as 3.
Add the place value of letters of CEP, to get the required code –
C→3; E→5; P→16
Now, add the place value→3 + 5 + 16 = 24
Thus, CEP is coded as 24.
Similarly, follow the same pattern for HUX –
Place value of H→8; U→21; X→24
Now, add the place value→8 + 21 + 24 = 53

Thus, HUX is coded as 53. Hence, the **fourth option** is correct.

Q. 177 **Directions:** In a certain code language, CURD is written as 342184 and BREAD is written as 2181024. How will BUTTER be written in that language?

Option 1:
421201018

Option 2:
442201018

Option 3:
24220201018

Option 4:
2212020518

Correct Answer:
24220201018

Solution:
Given:
CURD is written as 342184 and BREAD is written as 2181024.

Multiply the place values of vowels by 2 and write the place value of consonants as it is of the words CURD, to obtain the required code –
Place value of the letters→C = 3; U = 21; R = 18; D = 4
Now, multiply→C = 3; U = 21 × 2 = 42; R = 18; D = 4
Thus, CURD is coded as 342184.
And, BREAD is written as 2181024 –
Place value of the letters – B = 2; R = 18; E = 5; A = 1; D = 4
Now, multiply→B = 2; R = 18; E = 5 × 2 = 10; A = 1 × 2 = 2; D = 4
Thus, BREAD is coded as 2181024.
Similarly, follow the same pattern for BUTTER→
Place value of the letters→B = 2; U = 21; T = 20; T = 20; E = 5; R = 18
Now, multiply→B = 2; U = 21 × 2 = 42; T = 20; T = 20; E = 5 × 2 = 10; R = 18

So, BUTTER is coded as 24220201018 in the code language. Hence, the **third option** is correct.

Q. 178 **Directions:** In a certain code language, PYRE is coded as 5108 and YELP is coded as 8601. What is the code for R in the given code language?

Option 1:
0

Option 2:
1

Option 3:
8

Option 4:
5

Correct Answer:
5

Solution:

Given:

1. PYRE ⇒ 5108

2. YELP ⇒ 8601

By comparing the coded words, we find that –
In words 1 and 2, the common letters are P, Y, and E and the common codes are 8, 0, and 1.
The remaining letters and code in word 1 are R and 5 and in word 2 are L and 6.
Finally, R→5; L→6; P/ Y/ E→8/0/1

So, the code for R is 5 in the code language. Hence, the **fourth option** is correct.

Q. 179 **Directions:** In a certain code language, CHECK is written as 6165622 and SURGE is written as 382136145. How will PRIEST be written in that language?

Option 1:
3236953840

Option 2:
32369538

Option 3:
161818101920

Option 4:
1618101920

Correct Answer:
3236953840

Solution:
Given:
CHECK is written as 6165622 and SURGE is written as 382136145.

Multiply the place value of consonants by 2 and write the place value of vowels as it is of the letters of CHECK, to obtain the required code –
Place values→C = 3; H = 8; E = 5; C = 3; K = 11
Now, multiply→C = 3→3 × 2 = 6; H = 8→8 × 2 = 16; E = 5; C = 3→3 × 2 = 6; K = 11→11 × 2 = 22
So, CHECK is coded as 6165622.
And, SURGE is written as 382136145 –
Place values→S = 19; U = 21; R = 18; G = 7; E = 5
Now, multiply→S = 19→19 × 2 = 38; U = 21; R = 18→18 × 2 = 36; G = 7→7 × 2 = 14; E = 5
So, SURGE is coded as 382136145.
Similarly, follow the same pattern for PRIEST –
Place values→P = 16; R = 18; I = 9; E = 5; S = 19; T = 20
Now, multiply→P = 16→16 × 2 = 32; R = 18→18 × 2 = 36; I = 9; E = 5; S = 19→19 × 2 = 38; T = 20→20 × 2 = 40

So, PRIEST is coded as 3236953840 in the code language. Hence, the **first option** is correct.

Q. 180 **Directions:** If in a certain code language, ENTRY is coded as 12345 and STEADY is coded as 931785 then state what is the correct code for ARREST?

Option 1:
744589

Option 2:
744193

Option 3:
166479

Option 4:
745194

Correct Answer:
744193

Solution:
Given:
ENTRY is coded as 12345, and STEADY is coded as 931785.

Code the letter of ENTRY with an equivalent number given in the code –
E→1; N→2; T→3; R→4; Y→5
And, STEADY is coded as 931785 –

S→9; T→3; E→1; A→7; D→8; Y→5
All the letters of ARREST are present in the words ENTRY and STEADY.
So, the code for the letters of ARREST can be extracted from the code of ENTRY and STEADY.
A→7; R→4; R→4; E→1; S→9; T→3

So, ARREST is coded as 744193. Hence, the **second option** is correct.

Q. 181 **Directions:** If MADRAS is coded as 517916 and TENANT is coded as 432124, how would you encode RMATSN?

Option 1:
851353

Option 2:
951363

Option 3:
951462

Option 4:
941562

Correct Answer:
951462

Solution:
Given:
MADRAS is coded as 517916, and TENANT is coded as 432124.

Code the given letters of the word with an equivalent number code –
M→5; A→1; D→7; R→9; A→1; S→6
And, TENANT is coded as 432124 –
T→4; E→3; N→2; A→1; N→2; T→4
All the letters of RMATSN are present in the words MADRAS and TENANT.
So, the code for the letters of RMATSN can be extracted from the code of MADRAS and TENANT.
R→9; M→5; A→1; T→4; S→6; N→2

So, RMATSN is coded as 951462. Hence, the **third option** is correct.

Q. 182 **Directions:** In a certain code language, CROW is coded as 6970 and ORCA is coded as 7569. What is the code for W in the given code language?

Option 1:
7

Option 2:
9

Option 3:
6

Option 4:
0

Correct Answer:
0

Solution:
Given:
1. CROW ⇒ 6970
2. ORCA ⇒ 7569

By comparing the coded words, we find that –
In words 1 and 2, the common letters are C, R, and O, and the common codes are 6, 9, and 7.
The remaining letters and code in word 1 are W and 0 and in word 2 are A and 5.
Finally, W→0; A→5; C/R/O→6/9/7

So, the code for W is 0 in the code language. Hence, the **fourth option** is correct.

Q. 183 **Directions:** If FADE is coded as 3854, then how can GAGE be coded?

Option 1:
1824

Option 2:
2834

Option 3:
2824

Option 4:
2814

Correct Answer:
2824

Solution:
Given:
FADE is coded as 3854.

Each letter of FADE is assigned a different code number –
F→3; A→8; D→5; E→4
Now, in the word GAGE, the code for G will be common and the code for A and E will be extracted from the code of FADE.

Let's check the options –
First option: 1824; From this, G→1; A→8; G→2; E→4. Here, the code for G is not the same.
Second option: 2834; From this, G→2; A→8; G→3; E→4. Here, the code for G is not the same.

Third option: 2824; From this, G→2; A→8; G→2; E→4. Here, the code for G is the same.
Fourth option: 2814; From this, G → 2; A → 8; G → 1; E → 4. Here, the code for G is not the same.

So, GAGE is coded as 2824. Hence, the **third option** is correct.

Q. 184 **Directions:** In a certain code PEN is coded as 123, PENCIL as 123456, CABLE as 48962, then 6283123456 means what?

Option 1:
LAENPENCIL

Option 2:
LEANPNCLIE

Option 3:
LANPENCILA

Option 4:
LEANPENCIL

Correct Answer:
LEANPENCIL

Solution:

Given:
PEN is written as 123, PENCIL is written as 123456, and CABLE is written as 48962.

Code each letter of the word PEN with the equivalent number given in the code word –
P→1; E→2; N→3;
And, PENCIL is written as 123456 –
P→1; E→2; N→3; C→4; I→5; L→6
And, CABLE is written as 48962 –
C→4; A→8; B→9; L→6; E→2
The common letters in PEN, PENCIL and CABLE are coded with the same number. Here, the common letters in PEN, PENCIL and CABLE are P, E, N, C and L, and the common codes are 1, 2, 3, 4 and 6 in given words. All the numbers 6283123456 are available in the given word's code.
Therefore, using the above-coded letters and their corresponding numbers, decode the given number –
6→L; 2→E; 8→A; 3→N; 1→P; 2→E; 3→N; 4→C; 5→I; 6→L

Therefore, 6283123456 would be represented as LEANPENCIL.
Hence, the **fourth option** is correct.

Q. 185 **Directions:** If in a certain code, ONE is coded as 231, FIVE is coded as 9641, then how will be NINE coded?

Option 1:
3631

Option 2:
3316

Option 3:
3613

Option 4:
3361

Correct Answer:
3631

Solution:
Given:
ONE is written as 231 and FIVE is written as 9641.

On observing the given words it is clear that all the letters of the word NINE are present in the given words ONE and FIVE. So, the codes for the letters of the word NINE will be coded as the letters of the given words in the question.

Codes for the letters of ONE and FIVE are –
O – 2; N – 3; E – 1; F – 9; I – 6; V – 4

So, the code for NINE is 3631. Hence, the **first option** is correct.

Q. 186 **Directions:** If DEVELOPMENT is written as 45853106572, how ENVELOPE can be written in that code?

Option 1:
57851305

Option 2:
57853105

Option 3:
57835105

Option 4:
57850135

Correct Answer:
57853105

Solution:
Given:
DEVELOPMENT is written as 45853106572.

Code the letters with equivalent numbers given in the code of the word DEVELOPMENT –
D→4; E→5; V→8; E→5; L→3; O→1; P→0; M→6; E→5; N→7; T→2
The code of the letters of ENVELOPE can be taken from the letters of

DEVELOPMENT.
The letters of ENVELOPE will be coded as E→5; N→7; V→8; E→5; L→3; O→1; P→0; E→5

So, ENVELOPE is written as 57853105. Hence, the **second option** is correct.

Q. 187 **Directions:** Let J = 1, K = 2, L = 5, M = 7, N = 11, O = 13, P = 17. Find the letters to be inserted in place of (?) in the given relation.
(N × ? + M) ÷ K = 31

Option 1:
L

Option 2:
P

Option 3:
J

Option 4:
O

Correct Answer:
L

Solution:

Given:

J = 1, K = 2, L = 5, M = 7, N = 11, O = 13, P = 17

(N × ? + M) ÷ K = 31

After replacing the letters with numbers, the equation we get is –

⇒ (11 × ? + 7) ÷ 2 = 31

⇒ (11 × ? + 7) = 62

⇒ 11 × ? = 62 – 7

⇒ 11 × ? = 55

⇒ ? = 5

So, the letter that is coded as 5 is L. Hence, the **first option** is correct.

Q. 188 **Directions:** If PALE is coded as 2134, EARTH is coded as 41590, how is PEARL coded as?

Option 1:
29530

Option 2:
24153

Option 3:
25413

Option 4:
25430

Correct Answer:
24153

Solution:
Given:
PALE is coded as 2134, and EARTH is coded as 41590.

Each letter is coded with the equivalent number given for the word PALE –
P→2; A→1; L→3; E→4
The code of letters in the given word EARTH –
E→4; A→1; R→5; T→9; H→0
The code of the letters of PEARL can be taken from the letters of PALE and EARTH.
The letters of PEARL will be coded as P→2; E→4; A→1; R→5; L→3

So, PEARL is coded as 24153. Hence, the **second option** is correct.

Q. 189 **Directions:** If REASON is coded as 5 and BELIEVED as 7, what is the code number for GOVERNMENT?

Option 1:
6

Option 2:
8

Option 3:
9

Option 4:
10

Correct Answer:
9

Solution:
Given:
REASON is coded as 5 and BELIEVED as 7.

Subtract 1 from the number of letters in REASON, to get the required code –
The number of letters in the word REASON is 6 and 6 – 1 = 5
So, REASON is coded as 5.
And, BELIEVED as 7 –
The number of letters in the word BELIEVED is 8 and 8 – 1 = 7
So, BELIEVED is coded as 7.
Similarly, follow the same pattern for GOVERNMENT –
The number of letters in the word GOVERNMENT is 10 and 10 – 1 = 9

So, GOVERNMENT is coded as 9. Hence, the **third option** is correct.

Q. 190 **Directions:** In a certain code language, STAR is written as 8110291, GIFT is written as 02697. How will DOLL be written in that language?

Option 1:
2112514

Option 2:
2121514

Option 3:
2121154

Option 4:
2121524

Correct Answer:
2121514

Solution:
Given:
STAR is written as 8110291 and GIFT is written as 02697.

Write the place value of the letters of STAR in reverse order, to obtain the required code –
Place value of STAR→S = 19; T = 20; A = 1; R = 18
Now, write these values in reverse order – 1920118→8110291

Thus, STAR is coded as 8110291
And, GIFT is written as 02697 –
Place value of GIFT→G = 7; I = 9; F = 6; T = 20
Now, write these values in reverse order – 79620→02697
Thus, GIFT is coded as 02697.
Similarly, follow the same pattern for DOLL –
Place value of DOLL→D = 4; O = 15; L = 12; L = 12
Now, write these values in reverse order – 4151212→2121514

So, DOLL is coded as 2121514. Hence, the **second option** is correct.

Q. 191 **Directions:** In a certain code language, CHAP is coded as 9756 and PACE is coded as 5963. What is the code for H in the given code language?

Option 1:
6

Option 2:
9

Option 3:
5

Option 4:
7

Correct Answer:
7

Solution:
Given:
1. CHAP ⇒ 9756
2. PACE ⇒ 5963

By comparing the coded words, we find that –
In words 1 and 2, C, A, P and 9, 5, 6 are common.
The remaining letters and code in word 1 are H and 7 and in word 2 are E and 3.
Finally, H→7; E→3; C/A/P→9/5/6

So, the code for H is 7 in the code language. Hence,
the **fourth option** is correct.

Q. 192 **Directions:** If BOY is represented as 42, then what is the code for GIRL?

Option 1:
43

Option 2:
40

Option 3:
48

Option 4:
46

Correct Answer:
46

Solution:
Given:
BOY is coded as 42.

Add the position values of the letters of BOY to obtain the required code –
Position values of the letters of BOY; B→2; O→15; Y→25
BOY→2 + 15 + 25 = 42
Thus, BOY is coded as 42.
Similarly, follow the same pattern for GIRL –
Position values of the letters of GIRL; G→7; I→9; R→18; L→12
GIRL→7 + 9 + 18 + 12 = 46

Thus, GIRL is coded as 46. Hence, the **fourth option** is correct.

Q. 193 **Directions:** If LISTEN is coded as 593417, then how will SILENT be coded?

Option 1:
391754

Option 2:
591734

Option 3:
395174

Option 4:
591743

Correct Answer:
395174

Solution:
Given:
LISTEN is written as 593417.

Code each letter of the word LISTEN with the equivalent number given in the code word –
L→5; I→9; S→3; T→4; E→1; N→7
On observing the given words it is clear that all the letters of the word SILENT are present in the given word LISTEN. So, the codes for the letters of the word SILENT will be coded as the letters of the given word in the question.

So, the code for SILENT is 395174. Hence, the **third option** is correct.

Q. 194 **Directions:** If SUNDAY = 18, YEAR = 12, then THURSDAY = ?

Option 1:
24

Option 2:
26

Option 3:
42

Option 4:
28

Correct Answer:
24

Solution:
Given:
SUNDAY = 18, YEAR = 12 then THURSDAY = ?

Multiply the number of letters of SUNDAY by three, to get the required code –
Number of letters in SUNDAY = 6, 6 × 3 = 18
Thus, SUNDAY is coded as 18.
And, YEAR = 12 –

Number of letters in YEAR = 4, 4 × 3 = 12
Thus, YEAR is coded as 12.
Similarly, follow the same pattern for THURSDAY –
Number of letters in THURSDAY = 8, 8 × 3 = 24

Thus, THURSDAY is coded as 24. Hence the **first option** is correct.

Q. 195 **Directions:** In a certain code language, TARNISH is coded as 96 and CORRECT is coded as 89. How is GENERAL coded in the given language?

Option 1:
69

Option 2:
96

Option 3:
71

Option 4:
67

Correct Answer:
69

Solution:

Given:

The code for TARNISH is 96 and the code for CORRECT is 89.

Add the sum of the positional values of the letters of TARNISH and the number of letters in the word, to obtain the required code –

T (20) + A(1) + R(18) + N(14) + I(9) + S(19) + H(8)

20 + 1 + 18 + 14 + 9 + 19 + 8 = 89

The number of letters in TARNISH is 7.

= 89 + 7 = 96

Thus, TARNISH is coded as 96.

And, the code for CORRECT is 89 –

C(3) + O(15) + R (18) + R(18) + E (5) + C (3) + T(20)

3 + 15 + 18 + 18 + 5 + 3 + 20 = 82

The number of letters in CORRECT is 7.

= 82 + 7 = 89

Thus, CORRECT is coded as 7.

Similarly, follow the same pattern for GENERAL –

G(7) + E(5) + N (14) + E (5) + R(18) + A(1) + L(12)

7 + 5 + 14 + 5 + 18 + 1 + 12 = 62

The number of letters in GENERAL is 7

= 62 + 7 = 69

Therefore, the code for GENERAL is 69. Hence, the **first option** is correct.

Q. 196 **Directions:** In a certain code language, FLOWER is coded as 85, STARS is coded as 82 and MOON is coded as 61. How will PACK be coded in that language?

Option 1:
30

Option 2:
32

Option 3:
36

Option 4:
35

Correct Answer:
35

Solution:
Given:
FLOWER is coded as 85, STARS is coded as 82 and MOON is coded as 61.

Add the position value of each letter of FLOWER and then add the total number of letters present in the given word to the resulting number, to obtain the required code –
F→6; L→12; O→15; W→23; E→5; R→18
6 + 12 + 15 + 23 + 5 + 18 = 79
The number of letters in FLOWER is 6.
So, the code is 79 + 6 = 85
Thus, FLOWER is coded as 85.
And, STARS is coded as 82 –

S→19; T→20; A→1; R→18; S→19
19 + 20 + 1 + 18 + 19 = 77
The number of letters in STARS is 5.
So, the code is 77 + 5 = 82
Thus, STARS is coded as 82.
And, MOON is coded as 61 –
M→13; O→15; O→15; N→14
13 + 15 + 15 + 14 = 57
The number of letters in MOON is 4.
So, the code is 57 + 4 = 61
Thus, MOON is coded as 61.
Similarly, follow the same pattern for PACK –
P→16; A→1; C→3; K→11
16 + 1 + 3 + 11 = 31
The number of letters in PACK is 4
So, the code is 31 + 4 = 35

Thus, PACK is coded as 35. Hence, the **fourth option** is correct.

Q. 197 **Directions:** If S = 19, SUN = 54 and CAKE = 20, then MISTAKE = ?

Option 1:
78

Option 2:
68

Option 3:
59

Option 4:
48

Correct Answer:
78

Solution:
Given:
S = 19, SUN = 54 and CAKE = 20

Add the place value of the letters of SUN, and CAKE to obtain their required code –
Like, the place value of the letter S; S→19
Thus, S is coded as 19.
Place values of letters of SUN; S→19; U→21; N→14
SUN→19 + 21 + 14 = 54
Thus, SUN is coded as 54.
Place values of letters of CAKE; C→3; A→1; K→11; E→5
CAKE→3 + 1 + 11 + 5 = 20
Thus, CAKE is coded as 20.
Similarly, for MISTAKE; M→13; I→9; S→19; T→20; A→1; K→11; E→5
MISTAKE→13 + 9 + 19 + 20 + 1 + 11 + 5 = 78

So, MISTAKE is coded as 78. Hence, the **first option** is correct.

Q. 198 **Directions:** If A = 1, HAT = 29, then PAN = ?

Option 1:
21

Option 2:
31

Option 3:
41

Option 4:
28

Correct Answer:
31

Solution:
Given:
A = 1, HAT = 29

The place value of A is 1.
Thus, A is coded as 1.
Add the place value of letters of HAT, to get the required code –
H→8; A→1; T→20
Add the place value of letters of HAT→(8 + 1 + 20) = 29
Thus, the code for HAT is 29.

Similarly, follow the same pattern for PAN→
P→16; A→1; N→14
Add the place value of letters of PAN→(16 + 1 + 14) = 31

Thus, PAN is coded as 31. Hence, the **second option** is correct.

Q. 199 **Directions:** In a certain code, A is represented by 1, B by 2, C by 3, and so on, then all multiples of 2 are assigned a code of 2, and non-multiples of 2 are assigned a code of 1. In this scheme of coding, how will the word WINDOW would be coded as?

Option 1:
112112

Option 2:
112211

Option 3:
121121

Option 4:
112221

Correct Answer:
112211

Solution:

Given:
WINDOW

Multiples of 2→B, D, F, H, J, L, N, P, R, T, V, X, Z→Code is 2
Non-multiples of 2→A, C, E, G, I, K, M, O, Q, S, U, W, Y→Code is 1

The code for WINDOW is as follows –

W	I	N	D	O	W
↓	↓	↓	↓	↓	↓
23	9	14	4	15	23
↓	↓	↓	↓	↓	↓
1	1	2	2	1	1

So, 112211 is the required code for WINDOW. Hence, the **second option** is correct.

Q. 200 **Directions:** In a certain code language, CLIP is coded as 3749, and PICK is coded as 4673. What is the code for K in the given code language?

Option 1:
4

Option 2:
7

Option 3:
6

Option 4:
3

Correct Answer:
6

Solution:
Given:
1. CLIP ⇒ 3749
2. PICK ⇒ 4673

After comparing given words and their codes, we get –
In both words, the common letters are C, I, and P and the common digits are 3, 4, and 7.
So, in the word CLIP, the remaining letter is L and the digit is 9 and in the word PICK, the remaining letter is K and the remaining digit is 6.

Therefore, the code for K is 6. Hence, the **third option** is correct.

Q. 201 **Directions:** If I = 9 and SLIP = 56, then FALL = ?.

Option 1:
21

Option 2:
31

Option 3:
41

Option 4:
51

Correct Answer:
31

Solution:
Given:
I = 9 and SLIP = 56

Add the place value of the letters to get the required code –
Like, the place value of the letter I; I→9
Thus, I is coded as 9.
Place values of the letters of SLIP; S→19; L→12; I→9; P→16
SLIP→19 + 12 + 9 + 16 = 56
Thus, SLIP is coded as 56.
Similarly, follow the same pattern for FALL; F→6; A→1; L→12; L→12
FALL→6 + 1 + 12 + 12 = 31

Thus, the code for FALL is 31. Hence, the **second option** is correct.

Q. 202 **Directions:** If in a code language 3456 = ROPE and 15526 = APPLE, then 54613 = ?

Option 1:
RPPEO

Option 2:
ROPEA

Option 3:
POEAR

Option 4:
PAREO

Correct Answer:
POEAR

Solution:
Given:
3456→ROPE, and 15526→APPLE

From the given numbers and their coded letters, each digit of the number is assigned an individual letter code –
Like, 3456→ROPE –
3→R, 4→O, 5→P, 6→E
Thus, 3456 = ROPE.

And, 15526→APPLE –
1→A, 5→P, 5→P, 2→L, 6→E
Thus, 15526 = APPLE
Similarly, the code for 54613 = ?→
5→P, 4→O, 6→E, 1→A, 3→R

So, from the above, 54613 is coded as POEAR. Hence, the **third option** is correct.

Q. 203 **Directions:** If D = 4, DESK = 39, then how will DRAW be coded as?

Option 1:
57

Option 2:
46

Option 3:
45

Option 4:
36

Correct Answer:
46

Solution:

Given:
D = 4; DESK = 39

Add the place value of the letters to get the required code –
Like, the place value of the letter D; D→4
Thus, D is coded as 4.
Place values of the letters of DESK; D→4; E→5; S→19; K→11
DESK→4 + 5 + 19 + 11 = 39
Thus, DESK is coded as 39.
Similarly, follow the same pattern for DRAW; D→4; R→18; A→1; W→23
DRAW→4 + 18 + 1 + 23 = 46

Thus, DRAW is coded as 46. Hence, the **second option** is correct.

Q. 204 **Directions:** If C is coded as 3, DASH is coded as 32, then how will DANCE be coded as?

Option 1:
20

Option 2:
25

Option 3:
26

Option 4:
27

Correct Answer:
27

Solution:
Given:
C is coded as 3 and DASH is coded as 32.

Add the place value of the letters to get the required code –
Like, the place value of the letter C; C→3
Thus, C is coded as 3.
Place values of the letters DASH; D→4; A→1; S→19; H→8
DASH→4 + 1 + 19 + 8 = 32
Thus, DASH is coded as 32.
Similarly, follow the same pattern for DANCE; D→4; A→1; N→14; C→3; E→5
DANCE→4 + 1 + 14 + 3 + 5 = 27

Thus, DANCE is coded as 27. Hence, the **fourth option** is correct.

Q. 205 **Directions:** If E = 5, PEN = 35, then how will PAGE be coded as?

Option 1:
27

Option 2:
28

Option 3:
29

Option 4:
30

Correct Answer:
29

Solution:
Given:
E = 5 and PEN = 35

Add the place value of the letters to get the required code –
Like, the place value of the letter E; E→5
Thus, E is coded as 5.
Place value of letters of PEN; P→16; E→5; N→14
PEN→16 + 5 + 14 = 35
Thus, PEN is coded as 35.
Similarly, follow the same pattern for PAGE; P→16; A→1; G→7; E→5
PAGE→16 + 1 + 7 + 5 = 29

Thus, PAGE is coded as 29. Hence, the **third option** is correct.

Q. 206 **Directions:** If A = 1, CAT = 60, then how will MAN be coded as?

Option 1:
27

Option 2:
90

Option 3:
180

Option 4:
182

Correct Answer:
182

Solution:
Given:
A = 1; CAT = 60

Multiply the place value of the letters to get the required code –
Like, the place value of the letter A; A→1
Thus, A is coded as 1.
Place values of the letters of CAT; C→3; A→1; T→20
CAT→3 × 1 × 20 = 60

Thus, CAT is coded as 60.
Similarly, follow the same pattern for MAN; M→13; A→1; N→14
MAN→13 × 1 × 14 = 182

Thus, MAN is coded as 182. Hence, the **fourth option** is correct.

Q. 207 **Directions:** If A = 1, AND = 19, then ANT = ?.

Option 1:
35

Option 2:
33

Option 3:
23

Option 4:
19

Correct Answer:
35

Solution:
Given:
A = 1; AND = 19

Add the place value of the letters to get the required code –
Like, the place value of the letter A; A→1
Thus, A is coded as 1.
Place values of the letters of AND; A→1; N→14; D→4
AND→1 + 14 + 4 = 19
Thus, AND is coded as 19.
Similarly, follow the same pattern for ANT; A→1; N→14; T→20
ANT→1 + 14 + 20 = 35

So, ANT is coded as 35. Hence, the **first option** is correct.

Q. 208 **Directions:** If A = 26 and X-RAY = 40, then WHAT = ?.

Option 1:
52

Option 2:
54

Option 3:
56

Option 4:
58

Correct Answer:
56

Solution:
Given:
A = 26 and X-RAY = 40

Add the place value of the opposite letters, to get the required code –
Like, the opposite letter of A→Z
The place value of Z→26
Thus, A is coded as 26.
The opposite letters of the letters X-RAY; X→C; R→I; A→Z; Y→B
Place values of C→3; I→9; Z→26; B→2
X-RAY→3 + 9 + 26 + 2 = 40
Thus, X-RAY is coded as 40.
Similarly, follow the same pattern for WHAT; W→D; H→S; A→Z; T→G
Place value of D→4; S→19; Z→26; G→7
WHAT→4 + 19 + 26 + 7 = 56

So, WHAT is coded as 56. Hence, the **third option** is correct.

Q. 209 **Directions:** In a certain code language, YACHT is coded as 8, and SHALEOD is coded as 24. How will ANALYSTIC be coded in that language?

Option 1:
40

Option 2:
26

Option 3:
44

Option 4:
20

Correct Answer:
40

Solution:
Given:
YACHT is coded as 8, and SHALEOD is coded as 24.

Add 1 to the number of vowels present in YATCH and then multiply it by the number of consonants present. Now, subtract 8 from the resultant and then add this resultant to the previous resultant to get the answer –
Number of consonants = 4; Number of vowels = 1
⇒ 4 × (1 + 1) = 4 × 2 = 8; 8 + (8 – 8) = 8 + 0 = 8
Thus, YATCH is coded as 8.
And, SHALEOD is coded as 24 –
Number of consonants = 4; Number of vowels = 3
⇒ 4 × (3 + 1) = 4 × 4 = 16; 16 + (16 – 8) = 16 + 8 = 24
Similarly, follow the same pattern for ANALYSTIC→
Number of consonants = 6; Number of vowels = 3
⇒ 6 × (3 + 1) = 6 × 4 = 24; 24 + (24 – 8) = 24 + 16 = 40

So, SHALEOD is coded as 40. Hence, the **first option** is correct.

Q. 210 **Directions:** If REDUCE = 56, RECYCLE = 71, then REUSE = ?.

Option 1:
65

Option 2:
68

Option 3:
69

Option 4:
70

Correct Answer:
68

Solution:
Given:
REDUCE = 56, RECYCLE = 71.

Add the place value of the letters to get the required code –.
Like the place value of the letters REDUCE; R→18; E→5; D→4; U→21; C→3; E→5
REDUCE→18 + 5 + 4 + 21 + 3 + 5 = 56

Thus, REDUCE is coded as 56
And, the place value of RECYCLE; R→18; E→5; C→3; Y→25; C→3; L→12; E→5
RECYCLE→18 + 5 + 3 + 25 + 3 + 12 + 5 = 71
Thus, RECYCLE is coded as 71.
Similarly, follow the same pattern for REUSE; R→18; E→5; U→21; S→19; E→5
REUSE→18 + 5 + 21 + 19 + 5 = 68

Thus, the code for REUSE is 68. Hence, the **second option** is the correct answer.

Q. 211 **Directions:** If C is coded as 3, DASH is coded as 32, then DANCE will be coded as?

Option 1:
20

Option 2:
25

Option 3:
26

Option 4:
27

Correct Answer:
27

Solution:
Given:
C is coded as 3, and DASH is coded as 32.

Add the place value of the letters to get the required code –
Like, the place value of the letter C; C→3
Thus, C is coded as 3.
Place values of the letters of DASH; D→4; A→1; S→19; H→8
DASH→4 + 1 + 19 + 8 = 32
Thus, DASH is coded as 32.
Similarly, follow the same pattern for DANCE; D→4; A→1;
N→14; C→3; E→5
DANCE→4 + 1 + 14 + 3 + 5 = 27

Thus, DANCE is coded as 27. Hence, the **fourth option** is correct.

Q. 212 **Directions:** The question given below is based on the following set of codes.

Digit	1	3	5	4	6	0	8	7	2
Code	A	O	Z	L	D	T	N	H	Q

Find the code for 21500.

Option 1:
SLPHO

Option 2:
SHLPO

Option 3:
SLOPH

Option 4:
QAZTT

Correct Answer:
QAZTT

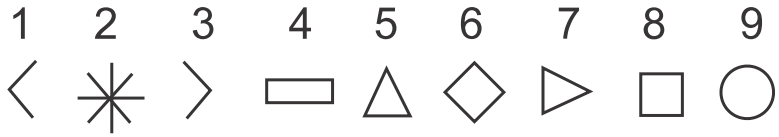
Solution:
Given:

Digit	1	3	5	4	6	0	8	7	2
Code	A	O	Z	L	D	T	N	H	Q

Code for the digits of the number 21500 –
2→Q; 1→A; 5→Z; 0→T

So, 21500 is coded as QAZTT. Hence, the **fourth option** is correct.

Q. 213 **Directions:** Given below are the numbers in the first line and symbols in the second line. Numbers and symbols are codes for each other. Choose the correct code for the given symbols.



Which number can be decoded from the following:

Option 1:
91486

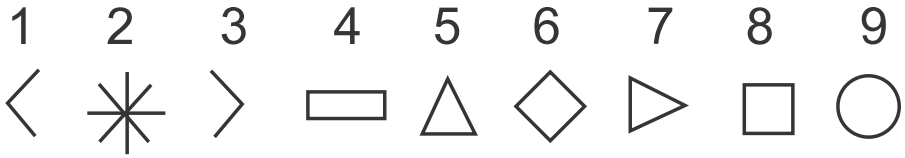
Option 2:
91846

Option 3:
94816

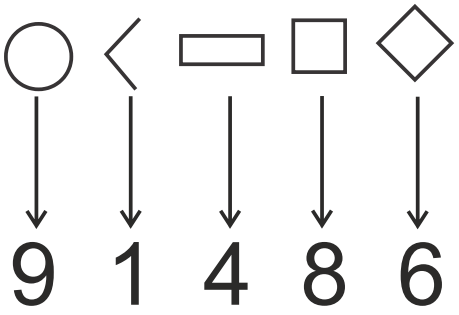
Option 4:
94846

Correct Answer:
91486

Solution:
Given:



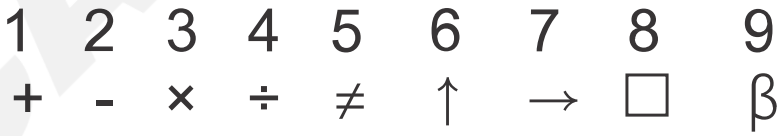
Now, code the symbols with their respective numbers given in the question –



Thus by decoding the symbols, we will get the respective number 91486. Hence the **first option** is correct.

Q. 214

Directions: Given below are a number in the first line and symbols in the second line. Numbers and symbols are code for each other. Choose the correct code for the given symbols.



Which number can be decoded from the following:

Option 1:
58637

Option 2:
56873

Option 3:
57863

Option 4:
58367

Correct Answer:
58637

Solution:
Given:

1	2	3	4	5	6	7	8	9
+	-	×	÷	≠	↑	→	□	β

In the given information each symbol represents the respective numbers.

≠ □ ↑ × →

5 8 6 3 7

Thus by decoding the symbols, we will get the respective numbers 58637. Hence the **first option** is correct.

Q. 215 **Directions:** In a certain code language, ZEAL is coded as 9476 and LAME is coded as 8694. What is the code for M in the given code language?

Option 1:
4

Option 2:
8

Option 3:
6

Option 4:
9

Correct Answer:
8

Solution:
Given:
1. ZEAL ⇒ 9476
2. LAME ⇒ 8694

By comparing the coded words, we find that –
In words 1 and 2, the common letters are E, A, and L and the common codes are 9, 4, and 6.

The remaining letters and code in word 1 are Z and 7 and in word 2 are M and 8.
Finally, Z→7; M→8; E/A/L→9/4/6

So, the code for M is 8 in the code language. Hence, the **second option** is correct.

Q. 216 **Directions:** In a certain code language, PRIME is coded as 37862 and REMAP is coded as 87423. What is the code for A in the given code language?

Option 1:
3

Option 2:
7

Option 3:
2

Option 4:
4

Correct Answer:
4

Solution:

Given:

1. PRIME ⇒ 37862
2. REMAP ⇒ 87423

By comparing the coded word, we find that –
In words 1 and 2, the common letters are P, R, M, and E and the common codes are 3, 7, 8, and 2.
The remaining letters and code in word 1 are I and 6, and the remaining letters and code in word 2 are A and 4.

So, the code for A is 4. Hence, the **fourth option** is correct.

Q. 217 **Directions:** In a certain code language, ACTION is coded as 527491 and OCTANE is coded as 759213. What is the code for E in the given code language?

Option 1:
9

Option 2:
7

Option 3:
5

Option 4:
3

Correct Answer:
3

Solution:
Given:
1. ACTION→527491
2. OCTANE→759213

By comparing the coded words, we find that –
In words 1 and 2, A, C, T, O, N, and 5, 2, 7, 9, 1 are common.
The remaining letters and code in word 1 are I and 4 and in word 2 are E and 3.

So, the code for E is 3 in the code language. Hence, the **fourth option** is correct.

Q. 218 **Directions:** In a certain code language, DRAWN is coded as 25761 and WARNE is coded as 57264. What is the code for E in the given code language?

Option 1:
2

Option 2:
1

Option 3:
4

Option 4:
5

Correct Answer:
4

Solution:
Given:
1. DRAWN→25761
2. WARNE→57264

After comparing both words and their codes, we get –
In both words, common letters are – R, A, W, N, and common numbers/codes are 2, 5, 7, 6.
The remaining letters and code in the first word are D and 1 and in the second word are E and 4.

So, the code for E is 4 in the given code language**.** Hence, the **third option** is correct.

Q. 219 **Directions:** In a certain code language, GRAB is coded as 5401, and BANG is coded as 9105. What is the code for N in the given code language?

Option 1:
5

Option 2:
9

Option 3:
1

Option 4:
0

Correct Answer:
9

Solution:
Given:
1. GRAB→5401
2. BANG→9105

After comparing both words, we get –
In both words, the common letters are G/A/B and the common numbers are 5/1/0.
The remaining letters and codes in the first word are R and 4, and in the second word are N and 9.

Therefore, the code for N is 9. Hence, the **second option** is correct.

Q. 220 **Directions:** In a certain code language, WANTED is coded as 241573 and WARNED is coded as 415278. What is the code for R in the given code language?

Option 1:
7

Option 2:
2

Option 3:
5

Option 4:
8

Correct Answer:
8

Solution:
Given:
1. WANTED ⇒ 241573
2. WARNED ⇒ 415278

After comparing both the words and their codes, we get –
In both words, the common letters are W, A, N, E, and D and the common codes are 4, 1, 5, 7, and 2

So, in the word WANTED, T is the remaining letter and in its code 3 is the remaining digit.
Similarly, in the word WARNED, R is the remaining letter and in its code 8 is the remaining digit.

Thus, the code for R is 8. Hence, the **fourth option** is correct.

Q. 221 **Directions:** In a certain code language, LAMP is written as 66, and OATS is written as 53. How will YESS be written in that language?

Option 1:
51

Option 2:
55

Option 3:
45

Option 4:
40

Correct Answer:
40

Solution:

Given:
LAMP is written as 66 and OATS is written as 53.

Write the positional values of the letters of LAMP in reverse order and then add the positional values, to obtain the required code –
L→15; A→26; M→14; P→11
Add above positional values –
⇒ 15 + 26 + 14 + 11 = 66
Thus, LAMP is coded as 66.
And, OATS is written as 53 –
O→12; A→26; T→7; S→8
Add above position values –
⇒ 12 + 26 + 7 + 8 = 53
Thus, OATS is written as 53.
Similarly, follow the same pattern for YESS –
Y→2; E→22; S→8; S→8
Add above position values –
⇒ 2 + 22 + 8 + 8 = 40

Thus, YESS is coded as 40. Hence, the **fourth option** is correct.

Q. 222 **Directions:** In a certain code language, THIN is coded as 1723, and WITH is coded as 2417. What is the code for W in the given code language?

Option 1:
4

Option 2:
1

Option 3:
7

Option 4:
2

Correct Answer:
4

Solution:
Given:
1. THIN ⇒ 1723
2. WITH ⇒ 2417

By comparing the coded words, we find that –
In words 1 and 2, the common letters are T, H, and I, and the common codes are 1, 7, and 2.
The remaining letters and code in word 1 are N and 3 and in word 2 are W and 4.
Finally, N→3; W→4; T/H/I→1/7/2

So, the code for W is 4 in the code language. Hence, the **first option** is correct.

Q. 223 **Directions:** In a certain code language, NATURE is coded as 279346 and LEARNT is coded as 794621. What is the code for L in the given code language?

Option 1:
2

Option 2:
1

Option 3:
7

Option 4:
9

Correct Answer:
1

Solution:
Given:
NATURE→279346
LEARNT→794621

On comparing both words, we find that –
In words 1 and 2, N, A, T, R, E, and 2, 7, 9, 4, 6 are common.
The remaining letters and code in word 1 are U and 3, and in word 2 are

L and 1.

So, 1 is the code for L in the given code language. Hence, the **second option** is correct.

Q. 224 **Directions:** In a certain code language, DESIGN is coded as 8 – 10 – 38 – 18 – 14 – 28 and FOREST is coded as 12 – 30 – 36 – 10 – 38 – 40. How will PLAYER be coded in the same language?

Option 1:
32 – 24 – 2 – 50 – 10 – 36

Option 2:
32 – 26 – 2 – 50 – 12 – 38

Option 3:
36 – 24 – 2 – 50 – 10 – 4

Option 4:
32 – 22 – 2 – 50 – 12 – 36

Correct Answer:
32 – 24 – 2 – 50 – 10 – 36

Solution:

Given:

DESIGN is written as 8 – 10 – 38 – 18 – 14 – 28 and FOREST is written as 12 – 30 – 36 – 10 – 38 – 40.

Multiply the place value of each letter of DESIGN by 2, to obtain the required code –

Alphabet	D	E	S	I	G	N
Place value	4	5	19	9	7	14
Multiply by 2	8	10	38	18	14	28

Thus, DESIGN is coded as 8 – 10 – 38 – 18 – 14 – 28.

And, FOREST is written as 12 – 30 – 36 – 10 – 38 – 40→

Alphabet	F	O	R	E	S	T
Place value	6	15	18	5	19	20
Multiply by 2	12	30	36	10	38	40

Thus, FOREST is coded as 12 – 30 – 36 – 10 – 38 – 40.

Similarly, follow the same pattern for PLAYER –

Alphabet	P	L	A	Y	E	R
Place value	16	12	1	25	5	18
Multiply by 2	32	24	2	50	10	36

So, PLAYER is coded as 32 – 24 – 2 – 50 – 10 – 36. Hence, the **first option** is correct.

Q. 225 **Directions:** In a certain code language, REPLACE is coded as 67, and PETRIFY is coded as 106. How will CRACKED be coded in that language?

Option 1:
52

Option 2:
50

Option 3:
47

Option 4:
45

Correct Answer:
52

Solution:
Given:
REPLACE is coded as 67, and PETRIFY is coded as 106.

Add the positional values of the letters of the given word REPLACE, then add the total number of letters in the word to obtain the required code –
R→18; E→5; P→16; L→12; A→1; C→3; E→5
Now, add the positional values of the given word REPLACE, then add the total number of letters in the word –
18 + 5 + 16 + 12 + 1 + 3 + 5 = 60 + 7 = 67
Thus, REPLACE is coded as 67.
And, PETRIFY is coded as 106 –
P→16; E→5; T→20; R→18; I→9; F→6; Y→25

Now, add the positional values of the given word PETRIFY, then add the total number of letters in the word –
16 + 5 + 20 + 18 + 9 + 6 + 25 = 99 + 7 = 106
Thus, PETRIFY is coded as 106.
Similarly, follow the same pattern for CRACKED –
C→3; R→18; A→1; C→3; K→11; E→5; D→4
Now, add the positional values of the given word CRACKED, then add the total number of letters in the word –
3 + 18 + 1 + 3 + 11 + 5 + 4 = 45 + 7 = 52

So, CRACKED is coded as 52. Hence, the **first option** is correct.

Q. 226 **Directions:** In a certain code language, LEASE is coded as 14936 and PLEASE is coded as 941360. What is the code for P in the given code language?

Option 1:
4

Option 2:
9

Option 3:
1

Option 4:
0

Correct Answer:
0

Solution:
Given:
LEASE is coded as 14936 and PLEASE is coded as 941360

By comparing all the coded sentences, we find that –
The common code for LEASE is 14936.
So, only the letter P is left, and in the given code 0 is left.

So, P will be coded as 0. Hence, the **fourth option** is correct.

Q. 227 **Directions:** In a certain code language, TECH is coded as 6439 and CHEW is coded as 4163. What is the code for T in the given code language?

Option 1:
3

Option 2:
4

Option 3:
9

Option 4:
6

Correct Answer:
9

Solution:
Given:
TECH is coded as 6439 and CHEW is coded as 4163.

By comparing the given words, we find that –
For, the common letters E, C, and H, the codes are 6, 4, and 3.
So, in the word TECH, only T and 9 are left.

So, T will be coded as 9. Hence, the **third option** is correct.

Q. 228 **Directions:** In a certain code language, ABCDE is coded as 45 and OPQR is coded as 198. What will be the code for XYZ in the given code language?

Option 1:
215

Option 2:
239

Option 3:
219

Option 4:
225

Correct Answer:
225

Solution:
Given:
ABCDE is coded as 45 and OPQR is coded as 198.

ABCDE is coded as 45; A→1; B→2; C→3; D→4; E→5
Add all the place values to get the sum→1 + 2 + 3+ 4 + 5 = 15
Now, multiply the sum by 3→15 * 3 = 45

OPQR is coded as 198; O→15; P→16; Q→17; R→18
Add all the place values to get the sum→15 + 16 + 17 + 18 = 66
Now, multiply the sum by 3→66 * 3 = 198

Similarly, for XYZ; X→24; Y→25; Z→26
Add all the place values to get the sum→24 + 25 + 26 = 75
Now, multiply the sum by 3→75 * 3 = 225

So, XYZ is coded as 225. Hence, the **fourth option** is correct.

Q. 229 **Directions:** In a certain code language, EARNT is coded as 25371 and TUNER is coded as 57142. What is the code for **U** in the given code language?

Option 1:
2

Option 2:
5

Option 3:
4

Option 4:
7

Correct Answer:
4

Solution:
Given:
EARNT→25371
TUNER→57142

In both words, common letters are→T, N, E, R, and common numbers are→2, 5, 7, 1
So, in the word EARNT, A is the remaining letter, and its code is 3.
Similarly, in the word TUNER, U is the remaining letter, and its code is 4.
Thus, T/ N/ E/ R is coded as 2/ 5/ 7/ 1, A is coded as 3, and U is coded as 4.

So, U is coded as 4. Hence, the **third option** is correct.

Q. 230 **Directions:** In a certain code language, FROM is coded as 8167 and ROMP is coded as 6218. What is the code for F in the given code language?

Option 1:
7

Option 2:
6

Option 3:
8

Option 4:
1

Correct Answer:
7

Solution:
Given:
FROM is coded as 8167 and ROMP is coded as 6218.

In both the words FROM and ROMP, the common letters are→R, O, and M, and the common numbers/codes are→8, 1, and 6.
So, in the word FROM, F is the remaining letter and 7 is the remaining digit.

Similarly, in the word ROMP, P is the remaining letter and 2 is the remaining digit
Thus, R/O/M is coded as 8/1/6, F is coded as 7 and P is coded as 2.

So, F is coded as 7. Hence, the **first option** is correct.

Q. 231 **Directions:** In a certain code language, LED is coded as 1587 and BAN is coded as 5417. What will be the code for HIT in the given code language?

Option 1:
111223

Option 2:
101233

Option 3:
121144

Option 4:
101212

Correct Answer:
111223

Solution:
Given:
LED is coded as 1587 and BAN is coded as 5417.

Add 3 to the positional value of letters of LED, to obtain the code –
L→12; E→5; D→4
L→12 + 3 = 15; E→5 + 3 = 8; D→4 + 3 = 7
Thus, LED is coded as 1587.
And, BAN is coded as 5417 –
B→2; A→1; N→14
B→2 + 3 = 5; A→1 + 3 = 4; N→14 + 3 = 17
Thus, BAN is coded as 5417.
Similarly, follow the same pattern for HIT –
H→8; I→9; T→20
H→8 + 3 = 11; I→9 + 3 = 12; T→20 + 3 = 23

Thus, HIT is coded as 111223. Hence, the **first option** is correct.

Q. 232

Directions: In a certain code language, LAMP is coded as 6413, and MALE is coded as 1246. What is the code for P in the given code language?

Option 1:
3

Option 2:
1

Option 3:
2

Option 4:
6

Correct Answer:
3

Solution:
Given:
LAMP is coded as 6413, and MALE is coded as 1246.

By comparing each letter and code of the words LAMP and MALE, we get –
In both words, common letters are A/M/L and common numbers/codes are 1/4/6
Thus, in the word MALE, E is the remaining letter and its code is 2.
Similarly, in the word LAMP, P is the remaining letter and its code is 3.

So, P is coded as 3. Hence, the **first option** is correct.

Q. 233 **Directions:** In a certain code language, PELT is coded as 8257, and TAPE is coded as 5712. What is the code for L in the given code language?

Option 1:
8

Option 2:
7

Option 3:
5

Option 4:
2

Correct Answer:
8

Solution:
Given:
1. PELT ⇒ 8257
2. TAPE ⇒ 5712

After comparing the words PELT and TAPE and their codes, we get –
In both words, the common letters are P/E/T and the common numbers are 2/5/7.
The remaining letters and numbers in the first word are L and 8 and in the second word are A and 1.

So, the code for L is 8. Hence, the **first option** is correct.

Q. 234 **Directions:** In a certain code language, EU324 is written as LN361, and HR529 is written as OK576. How will GS625 be written in that language?

Option 1:
LM756

Option 2:
LN676

Option 3:
MN756

Option 4:
NL676

Correct Answer:
NL676

Solution:
Given:
EU324 is written as LN361 and HR529 is written as OK576.

For alphabets add 7 to the place value of the first letter and subtract 7 from the place value of the second letter of the word EU324 and for numbers, find the square root of the given number and then add 1 to the resultant number, and then find the square to obtain the required alpha-numeric code –
For alphabets –
E + 7 = L; U – 7 = N
For numbers –
324 $\rightarrow \sqrt{324}$ = 18; $(18 + 1)^2$ = 361
Thus, EU324 is coded as LN361.

And, HR529 is written as OK576 –
For alphabets –
H + 7 = O and R – 7 = K
For numbers –
529 → $\sqrt{529}$ = 23; $(23 + 1)^2$ = 576
Thus, HR529 is coded as OK576.
Similarly, follow the same pattern for GS625 –
For alphabets –
G + 7 = N and S – 7 = L
For numbers –
625 → $\sqrt{625}$ = 25; $(25 + 1)^2$ = 676

So, GS625 is coded as NL676. Hence, the **fourth option** is correct.

Q. 235 **Directions:** In a certain code language, CRATE is coded as 27934 and TRACK is coded as 27694. What is the code for E in the given code language?

Option 1:
7

Option 2:
4

Option 3:
9

Option 4:
3

Correct Answer:
3

Solution:
Given:
1. CRATE ⇒ 27934
2. TRACK ⇒ 27694

After comparing both the words CRATE and TRACK and their codes, we get –
The common letters are C/R/A/T and the common code numbers are 2/7/9/4
The remaining letters and numbers in CRATE and 27934 are E and 3.
The remaining letters and numbers in TRACK and 27694 are K and 6.

So, 3 is the code for E. Hence, the **fourth option** is correct.

Q. 236 **Directions:** In a certain code language, WASTE is coded as 60 and BRANDED is coded as 84. What is the code for CEILINGFANS in the given code language?

Option 1:
128

Option 2:
132

Option 3:
120

Option 4:
148

Correct Answer:
132

Solution:
Given:
WASTE is coded as 60 and BRANDED is coded as 84.

Multiply the total number of letters of WASTE by 12, to get the required code –
Total number of letters in the word WASTE = 5
Now, on multiplying = 5 × 12 = 60
So, WASTE is coded as 60.
And, BRANDED is coded as 84 –
Now, on multiplying = 7 × 12 = 84
So, BRANDED is coded as 84.
Similarly, follow the same pattern for CEILINGFANS –
Now, on multiplying = 11 × 12 = 132

So, CEILINGFANS is coded as 132. Hence, the **second option** is correct.

Q. 237 **Directions:** In a certain code language, DARK is coded as 3501 and READ is coded as 1037. What is the code for K in the given code language?

Option 1:
1

Option 2:
0

Option 3:
5

Option 4:
3

Correct Answer:
5

Solution:
Given:
1. DARK ⇒ 3501
2. READ ⇒ 1037

After comparing the words DARK and READ and their codes, we get – The common letters in given words are D/A/R and common code numbers are 3/0/1.

The remaining letters and numbers in DARK are K and 5.
The remaining letters and numbers in READ are E and 7.

So, 5 is the code for K. Hence, the **third option** is correct.

Q. 238 **Directions:** In a certain code language, DOG is coded as 26 and BIN as 25. What will be the code for JAM in the given code language?

Option 1:
25

Option 2:
23

Option 3:
24

Option 4:
27

Correct Answer:
24

Solution:
Given:
DOG is coded as 26 and BIN is coded as 25.

Add the place values of the letters of the word DOG, to obtain the required code.
D→4; O→15; G→7
Add the place values→4 + 15 + 7 = 26
Thus, DOG is coded as 26.
And, BIN is coded as 25 –
B→2; I→9; N→14
Add the place values→2 + 9 + 14 = 25
Thus, BIN is coded as 25.
Similarly, follow the same pattern for JAM→
J→10; A→1; M→13
Now add the place values→10 + 1 + 13 = 24

Thus, JAM is coded as 24. Hence, the **third option** is correct.

Q. 239 **Directions:** In a certain code language, HALF is coded as 8041 and FLAG as 4980. What is the code for G in the given code language?

Option 1:
4

Option 2:
9

Option 3:
0

Option 4:
8

Correct Answer:
9

Solution:
Given:
1. HALF ⇒ 8041
2. FLAG ⇒ 4980

By comparing both the words and code, we find that –
Common letters – A, L, F and common codes – 0, 8, 4.
The remaining letter and the code in the word HALF are H and 1.
The remaining letters and the code in the word FLAG are G and 9.

So, G will be coded as 9. Hence, the **second option** is correct.

Q. 240

Directions: In the following, two questions, given below are the two matrices each containing two classes of letters from the alphabet. The columns and rows of Matrix I are prime numbered and Matrix II are compositely numbered. Letters from these matrices can be represented first by their row number and next by their column number. e.g. P can be written as 48, 66, 84, etc. In the following questions identify one set of number pairs out of (1), (2), (3), and (4) which represented the given word.

ROME

Matrix-I

	2	3	5	7
2	T	R	O	M
3	R	O	M	T
5	M	T	R	O
7	O	M	T	R

Matrix-II

	4	6	8	9
4	S	A	P	E
6	E	P	A	S
8	P	S	E	A
9	A	E	S	P

Option 1:
57, 55, 52, 88

Option 2:
23, 25, 27, 49

Option 3:
64, 35, 33, 32

Option 4:
96, 73, 77, 72

Correct Answer:
23, 25, 27, 49

Solution:
Given:
ROME

Number representations of each letter –
R→23, 32, 55, 77
O→25, 33, 57, 72
M→27, 35, 52, 73
E→49, 64, 88, 96

First option: 57, 55, 52, 88; R and O cannot be represented as 57 and 55 respectively.
Second option: 23, 25, 27, 49; All the letters of the word ROME can be represented through this option.
Third option: 64, 35, 33, 32; R, O, M, and E cannot be represented as 64, 35, 33, and 32 respectively.
Fourth option: 96, 73, 77, 72; R, O, M, and E cannot be represented as 96, 73, 77, and 72 respectively.

So, ROME can be represented using the codes 23, 25, 27, 49. Hence, the **second option** is correct.

Q. 241

Directions: In the following, two questions, given below are the two matrices each containing two classes of letters from the alphabet. The columns and rows of Matrix I are prime numbered and Matrix II are compositely numbered. Letters from these matrices can be represented first by their row number and next by their column number. e.g. P can be written as 48, 66, 84, etc. In the following questions identify one set of number pairs out of (1), (2), (3) and (4) which represented the given word.

Matrix-I

	2	3	5	7
2	T	R	O	M
3	R	O	M	T
5	M	T	R	O
7	O	M	T	R

Matrix-II

	4	6	8	9
4	S	A	P	E
6	E	P	A	S
8	P	S	E	A
9	A	E	S	P

APES

Option 1:
46, 48, 49, 44

Option 2:
96, 94, 98, 99

Option 3:
69, 64, 66, 68

Option 4:
84, 86, 89, 88

Correct Answer:
46, 48, 49, 44

Solution:
Given:
APES

Number representations of each letter –
A→46, 68, 89, 94
P→48, 66, 84, 99
E→49, 64, 88, 96
S→44, 69, 86, 98

First option: 46, 48, 49, 44; All the letters of the word APES can be represented through this option.
Second option: 96, 94, 98, 99; A, P, E, and S cannot be represented as 96, 94, 98, and 99 respectively.
Third option: 69, 64, 66, 68; A, P, E, and S cannot be represented as 69, 64, 66, and 68 respectively.
Fourth option: 84, 86, 89, 88; A, P, E, and S cannot be represented as 84, 86, 89, and 88 respectively.

So, APES can be represented by using the codes 46, 48, 49, 44. Hence, the **first option** is correct.

Q. 242

Directions: In this question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices, given below. The columns and rows of Matrix (I) are numbered from 0 to 4 and that of Matrix (II) are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. G can be represented by 13, 44, etc, and F can be represented by 67, 86, etc. Similarly, you have to identify the set for the word **MICE.**

Matrix-I

	0	1	2	3	4
0	I	G	M	N	E
1	N	E	I	G	M
2	G	M	N	E	I
3	E	I	G	M	N
4	M	N	E	I	G

Matrix-II

	5	6	7	8	9
5	F	E	A	C	D
6	C	D	F	E	A
7	E	A	C	D	F
8	D	F	E	A	C
9	A	C	D	F	E

Option 1:
14, 24, 65, 68

Option 2:
41,12, 78, 75

Option 3:
22, 43, 96, 87

Option 4:
03, 31, 57, 56

Correct Answer:
14, 24, 65, 68

Solution:
Given:
MICE

Number representations of each letter –
M→02, 14, 21, 33, 40
I→00, 12, 24, 31, 43
C→58, 65, 77, 89, 96
E→04, 11, 23, 30, 42, 56, 68, 75, 87, 99

First option: 14, 24, 65, 68; All the letters of the word MICE can be represented through this option.
Second option: 41,12, 78, 75; M and C cannot be represented as 41 and 78 respectively.
Third option: 22, 43, 96, 87; M cannot be represented as 22.
Fourth option: 03, 31, 57, 56; M and C cannot be represented as 03 and 57 respectively.

So, MICE can be represented by using the codes 14, 24, 65, 68.
Hence, the **first option** is correct.

Q. 243

Directions: In this question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices, given below. The columns and rows of Matrix (I) are numbered from 0 to 4 and that of Matrix (II) are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. E can be represented by 11, 42, etc, and N can be represented by 65, 88, etc. Similarly, you have to identify the set for the word **GRAND.**

Matrix-I

	0	1	2	3	4
0	E	G	K	C	R
1	C	E	R	K	G
2	G	K	C	R	E
3	R	C	G	E	K
4	K	R	E	G	C

Matrix-II

	5	6	7	8	9
5	S	D	N	A	O
6	N	A	D	O	S
7	O	S	A	D	N
8	A	O	S	N	D
9	D	N	O	S	A

Option 1:
01,12, 58, 65, 56

Option 2:
43, 41, 85, 88, 98

Option 3:
20, 23, 66, 95, 89

Option 4:
14, 04, 99, 57, 68

Correct Answer:
01,12, 58, 65, 56

Solution:
Given:
GRAND

Number representations of each letter –
G→01, 14, 20, 32, 43
R→04, 12, 23, 30, 41
A→58, 66, 77, 85, 99
N→57, 65, 79, 88, 96
D→56, 67, 78, 89, 95

First option: 01,12, 58, 65, 56; All the letters of the word GRAND can be represented through this option.
Second option: 43, 41, 85, 88, 98; D cannot be represented as 98.
Third option: 20, 23, 66, 95, 89; N cannot be represented as 95.
Fourth option: 14, 04, 99, 57, 68; D cannot be represented as 68.

So, GRAND can be represented by using the codes 01,12, 58, 65, 56. Hence, the **first option** is correct.

Q. 244

Directions: A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices, given below. The columns and rows of Matrix (I) are numbered from 0 to 4 and that of Matrix (II) are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. I can be represented by 12, 44, etc, and D can be represented by 75, 97, etc. Similarly, you have to identify the set for the word **CHEAT.**

Matrix-I

	0	1	2	3	4
0	H	I	G	C	N
1	C	N	I	G	H
2	I	H	C	N	G
3	N	G	H	I	C
4	G	C	N	H	I

Matrix-II

	5	6	7	8	9
5	T	D	S	A	E
6	S	A	T	E	D
7	D	E	A	S	T
8	A	T	E	D	S
9	E	S	D	T	A

Option 1:
10, 21, 68, 77, 56

Option 2:
34, 43, 95, 85, 96

Option 3:
41, 14, 76, 99, 79

Option 4:
22, 00, 87, 67, 67

Correct Answer:
41, 14, 76, 99, 79

Solution:
Given:
CHEAT

Number representations of each letter –
C→03, 10, 22, 34, 41
H→00, 14, 21, 32, 43
E→59, 68, 76, 87, 95
A→58, 66, 77, 85, 99
T→55, 67, 79, 86, 98

First option: 10, 21, 68, 77, 56; T cannot be represented as 56.
Second option: 34, 43, 95, 85, 96; T cannot be represented as 98.
Third option: 41, 14, 76, 99, 79; All the letters of the word CHEAT can be represented through this option.
Fourth option: 22, 00, 87, 67, 67; A cannot be represented as 67.

So, CHEAT can be represented by using the codes 41,14, 76, 99, 79. Hence, the **third option** is correct.

Q. 245

Directions: A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices, given below. The columns and rows of Matrix (I) are numbered from 0 to 4 and that of Matrix (II) are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. Q can be represented by 12, 43, etc, and M can be represented by 67, 99, etc. Similarly, you have to identify the set for the word **PRICE.**

Matrix-I

	0	1	2	3	4
0	Q	T	S	R	P
1	R	P	Q	S	T
2	S	Q	T	P	R
3	P	S	R	T	Q
4	T	R	P	Q	S

Matrix-II

	5	6	7	8	9
5	I	M	E	C	D
6	E	C	M	D	I
7	C	D	I	M	E
8	M	E	D	I	C
9	D	I	C	E	M

Option 1:
23, 03, 55, 66, 99

Option 2:
42, 24, 88, 56, 66

Option 3:
11, 10, 96, 97, 85

Option 4:
04, 41, 69, 75, 57

Correct Answer:
04, 41, 69, 75, 57

Solution:
Given:
PRICE

Number representations of each letter –
P→04, 11, 23, 30, 42
R→03, 10, 24, 32, 41
I→55, 69, 77, 88, 96
C→58, 66, 75, 89, 97
E→57, 65, 79, 86, 98

First option: 23, 03, 55, 66, 99; E cannot be represented as 99.
Second option: 42, 24, 88, 56, 66; C and E cannot be represented as 56 and 66 respectively.
Third option: 11,10, 96, 97, 85; E cannot be represented as 85.
Fourth option: 04, 41, 69, 75, 57; All the letters of the word PRICE can be represented through this option.

So, PRICE can be represented by using the codes 04, 41, 69, 75, 57.
Hence, the **fourth option** is correct.

Q. 246

Directions: A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices, given below. The columns and rows of Matrix (I) are numbered from 0 to 4 and that of Matrix (II) are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. D can be represented by 11, 42, etc, and I can be represented by 68, 99, etc. Similarly, you have to identify the set for the word **NOSE.**

Matrix-I

	0	1	2	3	4
0	L	A	N	O	D
1	O	D	L	A	N
2	A	N	O	D	L
3	D	L	A	N	O
4	N	O	D	L	A

Matrix-II

	5	6	7	8	9
5	E	I	C	P	S
6	P	S	E	I	C
7	I	C	P	S	E
8	S	E	I	C	P
9	C	P	S	E	I

Option 1:
21, 10, 78, 98

Option 2:
13, 22, 66, 56

Option 3:
02, 34, 59, 68

Option 4:
41, 42, 85, 86

Correct Answer:
21, 10, 78, 98

Solution:
Given:
NOSE

Number representations of each letter –
N→02, 14, 21, 33, 40
O→03, 10, 22, 34, 41
S→59, 66, 78, 85, 97
E→55, 67, 79, 86, 98

First option: 21,10, 78, 98; All the letters of the word NOSE can be represented through this option.
Second option: 13, 22, 66, 56; N and E cannot be represented as 13 and 56 respectively.
Third option: 02, 34, 59, 68; E cannot be represented as 68.
Fourth option: 41, 42, 85, 86; N, O cannot be represented as 41 and 42 respectively.

So, NOSE can be represented by using the codes 21,10, 78, 98. Hence, the **first option** is correct.

Q. 247

Directions: In this question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices, given below. The columns and rows of Matrix (I) are numbered from 0 to 4 and that of Matrix (II) are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. S can be represented by 10, 34, etc, and Y can be represented by 57, 95, etc. Similarly, you have to identify the set for the word **PARK.**

Matrix-I

	0	1	2	3	4
0	P	T	A	S	E
1	S	E	P	T	A
2	T	A	S	E	P
3	E	P	T	A	S
4	A	S	E	P	T

Matrix-II

	5	6	7	8	9
5	K	I	Y	C	R
6	C	R	K	I	Y
7	I	Y	C	R	K
8	R	K	I	Y	C
9	Y	C	R	K	I

Option 1:
13, 14, 85, 55

Option 2:
31, 02, 78, 98

Option 3:
23, 22, 66, 67

Option 4:
00, 40, 59, 78

Correct Answer:
31, 02, 78, 98

Solution:
Given:
PARK

Number representations of each letter –
P→00, 12, 24, 31, 43
A→02, 14, 21, 33, 40
R→59, 66, 78, 85, 97
K→55, 67, 79, 86, 98

First option: 13, 14, 85, 55; P cannot be represented as 13.
Second option: 31, 02, 78, 98; All the letters of the word PARK can be represented through this option.
Third option: 23, 22, 66, 67; P and A cannot be represented as 23 and 22 respectively.
Fourth option: 00, 40, 59, 78; K cannot be represented as 78.

So, PARK can be represented by using the codes 31, 02, 78, 98. Hence, the **second option** is correct.

Q. 248

Directions: A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices, given below. The columns and rows of Matrix (I) are numbered from 0 to 4 and that of Matrix (II) are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. T can be represented by 03, 31, etc and D can be represented by 75, 87, etc. Similarly, you have to identify the set for the word GHOST.

Matrix-I

	0	1	2	3	4
0	E	O	N	T	G
1	T	N	G	O	E
2	O	G	T	E	N
3	N	T	E	G	O
4	G	E	O	N	T

Matrix-II

	5	6	7	8	9
5	M	D	H	S	A
6	A	S	M	D	H
7	D	A	S	H	M
8	H	M	D	A	S
9	S	H	A	M	D

Option 1:
33, 57, 20, 66, 03

Option 2:
40, 78, 42, 97, 10

Option 3:
12, 96, 13, 77, 30

Option 4:
04, 78, 01, 58, 43

Correct Answer:
33, 57, 20, 66, 03

Solution:
Given:
GHOST

Number representations of each letter –
G→04, 12, 21, 33, 40
H→57, 69, 78, 85, 96
O→01, 13, 20, 34, 42
S→58, 66, 77, 89, 95
T→03, 10, 22, 31, 44

First option: 33, 57, 20, 66, 03 – All the letters of the word GHOST can be represented through this option.
Second option: 40, 78, 42, 97, 10 – S cannot be represented by 97.
Third option: 12, 96, 13, 77, 30 – T cannot be represented by 30.
Fourth option: 04, 78, 01, 58, 43 – T cannot be represented by 43.

So, only the first option consists of the numbers through which GHOST can be represented. Hence, the **first option** is correct.

Q. 249

Directions: A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices given below. The columns and rows of Matrix (I) are numbered from 0 to 4 and that of Matrix (II) are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e. g. C can be represented by 00, 33, etc, and O can be represented by 56, 88, etc. Similarly, you have to identify the set for the word **BAKES.**

Matrix- I

	0	1	2	3	4
0	C	R	B	K	S
1	S	B	K	R	C
2	R	C	S	B	K
3	K	S	R	C	B
4	B	K	C	S	R

Matrix- II

	5	6	7	8	9
5	E	O	U	A	I
6	A	I	O	U	E
7	O	E	A	I	U
8	I	U	E	O	A
9	U	A	I	E	O

Option 1:
11, 65, 03, 55, 20

Option 2:
40, 77, 24, 76, 32

Option 3:
34, 96, 41, 87, 10

Option 4:
02, 58, 31, 88, 04

Correct Answer:
34, 96, 41, 87, 10

Solution:
Given:
BAKES

Number representations of each letter –
B→02, 11, 23, 34, 40
A→58, 65, 77, 89, 96
K→03, 12, 24, 30, 41
E→55, 69, 76, 87, 98
S→04, 10, 22, 31, 43

First option: 11, 65, 03, 55, 20; S cannot be represented as 20.
Second option: 40, 77, 24, 76, 32; S cannot be represented as 32.
Third option: 34, 96, 41, 87, 10; All the letters of the word BAKES can be represented through this option.
Fourth option: 02, 58, 31, 88, 04; K and E cannot be represented as 31 and 88 respectively.

So, BAKES can be represented by using the codes 34, 96, 41, 87, 10. Hence, the **third option** is correct.

Q. 250

Directions: A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices, given below. The columns and rows of Matrix (I) are numbered from 0 to 4 and that of Matrix (II) are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. K can be represented by 03, 34, etc, and E can be represented by 59, 97, etc. Similarly, you have to identify the set for the word **SHOP.**

Matrix- I

	0	1	2	3	4
0	R	S	H	K	A
1	K	A	R	S	H
2	S	H	K	A	R
3	A	R	S	H	K
4	H	K	A	R	S

Matrix- II

	5	6	7	8	9
5	T	N	P	O	E
6	O	E	T	N	P
7	N	P	O	E	T
8	E	T	N	P	O
9	P	O	E	T	N

Option 1:
01, 21, 58, 96

Option 2:
44, 02, 89, 76

Option 3:
14, 33, 77, 56

Option 4:
33, 40, 65, 88

Correct Answer:
44, 02, 89, 76

Solution:
Given:
SHOP

Number representations of each letter –
S→01, 13, 20, 32, 44
H→02, 14, 21, 33, 40
O→58, 65, 77, 89, 96
P→57, 69, 76, 88, 95

First option: 01, 21, 58, 96; P cannot be represented as 96.
Second option: 44, 02, 89, 76; All the letters of the word SHOP can be represented through this option.
Third option: 14, 33, 77, 56; S and P cannot be represented as 14 and 56 respectively.
Fourth option: 33, 40, 65, 88; S cannot be represented as 33.

So, SHOP can be represented by using the codes 44, 02, 89, 76. Hence, the **second option** is correct.