Coding-Decoding Questions English PDF

1.If each of the letters of the English alphabet is assigned an odd numerical value beginning with **A = 1, B=3** and so on, what will be the total value of the letters of the word **RADICAL**?

A. 88   B. 99
C. 89   D. 90

Sol:
The pattern is:
R = 35
A = 1
D = 7
I = 17
C = 5
A = 1
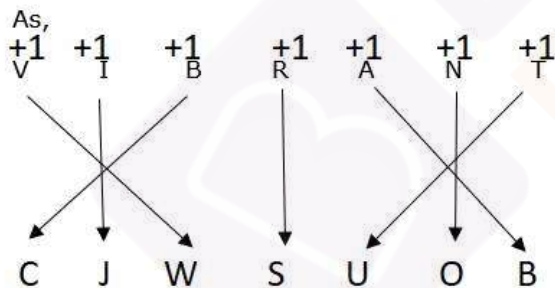L = 23
R + A + D + I + C + A + L
35 + 1 + 7 + 17 + 5 + 1 + 23 = 89
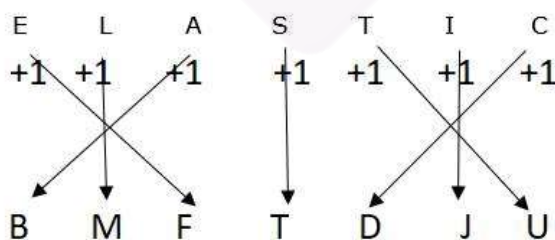Hence, option C is the correct answer.

2.In a code language, **VIBRANT** is written as **CJWSUOB**. Then, how **ELASTIC** will be coded as?

A. BMFTDJU   B. BMFLPJU
C. OKFTDJU   D. BMFTHYT

Sol:

Hence, option A is the correct answer.

3.**In a certain code language, 'dee due tic' is written as 'roses are red', 'bil doe' is written as 'yellow carnations' and 'tic dur doe' is written as 'carnations are pink'. What is the code for 'pink' is that language?**

A. doe   B. tic
C. dur   D. dee

Sol:
'dee due tic' = 'roses are red'_____(1)
'bil doe' = 'yellow carnations' _____(2)
'tic dur doe' = 'carnations are pink'_____(3)
'are' and 'tic' are common in (1) and (3), so 'are' = 'tic'
'carnations' and 'doe' are common in (2) and (3), So, 'carnations' = 'doe'
from (3), 'pink' = 'dur'
Hence, the correct option is C.

4.If each English alphabet is assigned even numerical value like A = 2, B = 4 and so on, what will be the code of EARTH?

A. 122384216   B. 102364016
C. 102364018   D. 102384218

Sol:
Its given that A = 2, B = 4 and so on.
So, E=10,A=2,R=36,T=40,H=16
So EARTH=102364016
Hence, the correct answer is option B.

5.In a code language COLECTOR is written as ELOCROTC. How will COMMISSIONER be written as in the same code language?

A. SIMMNOISCORE   B. SIMMOCRENOIS
C. MMCORENSIOIS   D. OISSIMMCOREN

Sol:
Logic: write first half in the reverse order and then write next half in the reverse order.
As,
COLE/ CTOR = ELOC/ ROTC
Similarly,
COMMIS/ SIONER = SIMMOC/ RENOIS
Hence, option B is the correct response.

6.In a Code language CAT is written as BDZBSU, How will LION be written in that Language.

A. NMHPJMN   B. KMHPDPMO
C. KMHJNPMO   D. PMHJNPNO

Sol:

Here we can see that each alphabet is replaced with its former and latter alphabet. "c" is coded as "BD" , 'A' Is coded as 'ZB' and so on.

Therefore, 'LION' will be coded as 'KMHJNPMO'. Hence, option (C) is the correct answer.

7.In a code language, ASTRONOMY is written as SARTPONYM. How will FENUGREEK be written as in that language?

A. UNEFGKEER   B. EFUNFERKE
C. EFUNHKEER   D. EFUNHERKE

Sol:

The pattern is:

similarly,
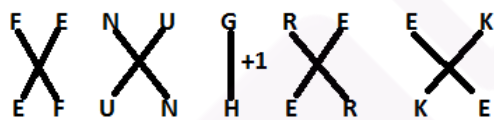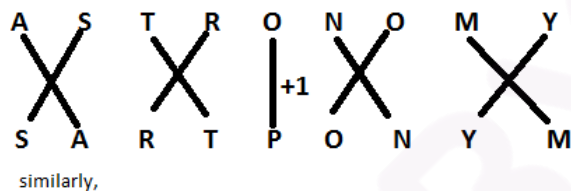
Hence, the correct response is (D).

8.In a code language, TANK is written as 7-26-13-16. In the same pattern CARGO will be written as?

A. 24 – 26 – 9 – 20 – 15
B. 24 – 26 – 9 – 20 – 12
C. 24 – 26 – 18 – 20 – 12
D. 23 – 01 – 9 – 20 – 12

Sol:

Take reverse rank of alphabetical letters.
As, (T)7-(A)26-(N)13-(K)16=7-26-13-16
Similarly,
(C)24 – (A)26 – (R)9 – (G)20 – (O)12= 24 – 26 – 9 – 20 – 12
Hence, the correct answer is option B.

9.**If KIND is written as 20 and MOBILE is coded as 42, then how will you write PRIMARY in the same language?**

A. 42   B. 36
C. 56   D. 78

Sol:

The logic behind the code language is - number of letters in the word multiplied by its succeeding number.
i.e.
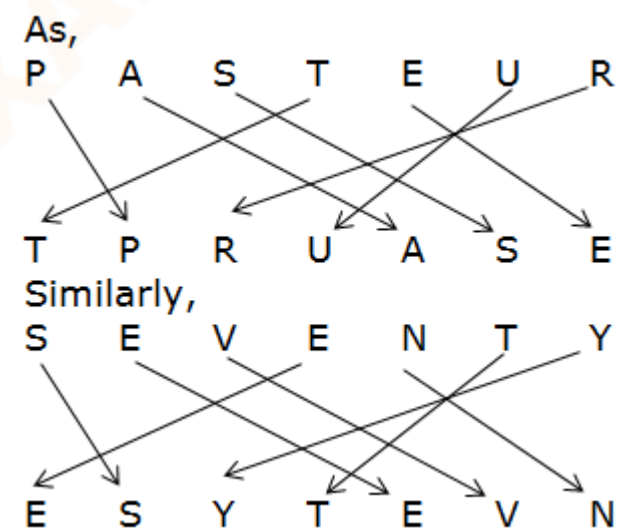In KIND - there are 4 letters
So, 4 × 5 = 20
Similarly,
MOBILE = 6 × 7 = 42
So,
PRIMARY = 7 × 8 = 56
Hence, option C is the correct answer.

10.In a code language. PASTEUR is coded as TPRUASE. How would SEVENTY be coded in that language?

A. ENVETYS   B. NSYTEVN
C. ESYETNV   D. ESYTEVN

Sol:

Hence, option(D) is the correct response.

11.If **EFMIJ** means **DELHI**, then find the last letter of **IQBOS** after decoding –
A. T   B. R
C. K   D. M
Sol: E (-1) = D
F (-1) = E
M (-1) = L
I (-1) = H
J (-1) = I
Similarly,
I (-1) = H
Q (-1) = P
B (-1) = A
O (-1) = N
S (-1) = R
Thus, R is the last letter.
Hence, option B is the correct answer.

12.In a code language, DICTIONARY is written as ITCIDYRANO. How will CAMBRIDGES be written in that language?
A. RMABCSEGDI   B. RMBAESCGDI
C. RMBACSEIDG   D. RBMACSEGDI
Sol:
Logic- write the first half in reverse order and second half also in reverse order to get the required code.
As,
DICTI ONARY is written as ITCID YRANO
Similarly, CAMBR IDGES is written as RBMAC SEGDI
Hence, option D is the correct answer.

13.If in some language BOLLYWOOD is coded as "263375664" and HOLYWOOD is coded as "86375664", then what is the code for TOLLYWOD?
A. 26564337   B. 33756426
C. 26375364   D. 26337564
E. 27564633

Sol:

Alphabet	A	B	C	D	E	F	G	H	I	J	K	L	M
Position value	1	2	3	4	5	6	7	8	9	10	11	12	13
Alphabet	Z	Y	X	W	V	U	T	S	R	Q	P	O	N
Position value	26	25	24	23	22	21	20	19	18	17	16	15	14

Considering the place value of letters we get,
As,
B(2),O(15),L(12),L(12),Y(25),W(23),O(15),O(15), D(4)
⇒ B(2),O(1+5),L(1+2),L(1+2),Y(2+5),W(2+3), O(1+5),O(1+5),D(4)
⇒263375664 and
H(8),O(15), L(12),Y(25),W(23),O(15),O(15),D(4)
⇒ H(8),O(1+5), L(1+2),Y(2+5),W(2+3),O(1+5), O(1+5),D(4)
⇒ 86375664
Similarly, TOLLYWOD is coded as
T(20),O(15),L(12),L(12),Y(25),W(23),O(15), D(4)
⇒ T(2+0),O(1+5),L(1+2),L(1+2),Y(2+5), W(2+3),O(1+5), D(4)
⇒ 26337564
Hence, option D is the correct answer.

14.If HUSBAND = 10, ANIMAL = 9, then HOUSEHOLD will be written as?
A. 12   B. 22
C. 28   D. 26
Sol: In this question, we show that-
Number of words in HUSBAND - 7
(7+3) = 10
Number of words in ANIMAL - 6
(6+3) = 9
Similarly,
Number of words in HOUSEHOLD - 9
(9+3) = 12
So ? = 12
So the correct answer is option A.

15.**If 9 * 7 * 5 = 72975 and 4 * 8 * 6 = 6486 then find 7 * 3 * 5 = ?**
A. 82559   B. 34335
C. 14527   D. 47865

Sol:

Logic : In (9 * 7 * 5) is operated as the last two numbers are written as it is, and the first number is cubed. Like.

9^3 = 729 and 75 → 72975

In (4 * 8 * 6)

4^3 = 64 and 86 → 6486

In (7 * 3 * 5)

7^3 = 343 and 35 → 34335

Hence, option B is the correct answer.

16.If DEVELOPMENT is written as 45853106572, how ENVELOPE can be written in that code?

A. 57851305   B. 57853105

C. 57835105   D. 57850135

Sol:

DEVELOPMENT → 45853106572

ENVELOPE → 57853105

Hence option B is the right answer.

17.If MARCH is coded as PXUZK what will be the code of APRIL?

A. DMUFO   B. DSULO

C. ZKIRO   D. ZKRIO

Sol: the pattern in the code is,

M + 3 - P

A - 3 - X

R + 3 - U

C - 3 - Z

H + 3 - k

Similarly,

A + 3 - D

P - 3 - M

R + 3 - U

I - 3 - F

L + 3 - O

Hence, option A is the correct response.

18.If DEAN is written as NOKX, how NEED be written in that code?

A. NOOX   B. XONO

C. ONQX   D. XOON

Sol:

$$D \quad E \quad A \quad N$$
$$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$
$$N \quad O \quad K \quad X$$

Similarly,

$$N \quad E \quad E \quad D$$
$$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$
$$X \quad O \quad O \quad N$$

19.In a certain code, OPERATION is written as EPOTARNOI. Which word will be written as ORPSECSES?

A. PORCESESS   B. PROCESSES

C. POSSESORC   D. PROSSESC

Sol: As,

Similarly,

Hence, option B is the correct response.

20.In a certain code, PRIEST is written as OQHDRS. PRISTINE can be written as

A. OQHRSHMD   B. OSHRQMDH
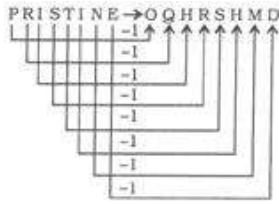
C. QORHHSMD   D. QOHRSHMD

Sol:

Similarly,

21. If each of the letters in the English alphabet is assigned odd numerical value starting with A = 1, B = 3, C = 5 and so on. What will be the sum total of the values of the letters of the word NOMINAL?

A. 149   B. 144
C. 146   D. 150

Sol:
The place value letters in NOMINAL –
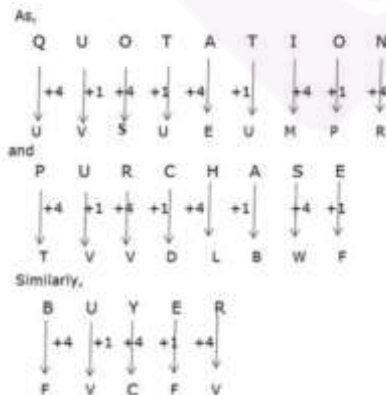N – 27
O – 29
M – 25
I – 17
N – 27
A – 1
L – 23
Total value = 27 + 29 + 25 + 17 + 27 + 1 + 23 = 149
Hence, option A is the correct answer.

22.In a certain code language, "QUOTATION" is written as "UVSUEUMPR" and "PURCHASE" is written as "TVVDLBWF". How is "BUYER" written in that code language?

A. FVCKV   B. FVLFV
C. FVCFV   D. MVCFV

Sol:

Thus BUYER is coded as FVCFV.
Hence, option C is the correct answer.

23. In a certain code language, BOARD is written as YLZIW, then how will you write MOUSE?

A. NLFHV   B. MNLVH
C. LNFVH   D. HVNLF

Sol:
The letters are coded by its opposite letter to obtain the certain code.
BOARD ↔ YLZIW
Therefore, MOUSE ↔ NLFHV.
Hence, option A is correct.

24. In a certain code language, MULTI is coded as 100 and PLEX is coded as 48. How will the word SAMSUNG be written in that code language?

A. 294   B. 200
C. 196   D. 168

Sol:
The code is obtained by subtracting the square of total number of letters in the word from its cube.
The number of letters in MULTI is 5 and the code is

$$\rightarrow 5^3 - 5^2 = 125 - 25 = 100.$$

Therefore, the code for SAMSUNG is

$$\rightarrow 7^3 - 7^2 = 343 - 49 = 294.$$

Option (a) is correct.

25. In a code language. RAMAYANA is written as ANAYAMAR. How will MAHABHARAT be written as in that language?

A. TARAHBAHAM   B. TARBHAAHAM
C. TARAHBAMAH   D. ARATHBAHAM

Sol:
Logic: Letter has been written in the reverse order.
As,
RAMAYANA = ANAYAMAR
Similarly,

MAHABHARAT=TARAHBAHAM
Hence, the correct answer is option A.

26. In a certain code language, ORIENTAL is written as MBUOFJSP. How is COWARDLY written in that code language?
A. XKCQBXPD   B. XLBQCXPD
C. ZMESDPXB   D. None of these
Sol:
Logic: The letters of the word are written in reverse order and then each letter is moved one step forward to obtain the code.
ORIENTAL ⇔ LATNEIRO
Now,
L (+1) → M
A (+1) → B
T (+1) → U
N (+1) → O
E (+1) → F
I(+1) → J
R (+1) → S
O (+1) → P
Similarly,
COWARDLY ⇔ YLDRAWOC
Now,
Y (+1) → Z
L (+1) → M
D (+1) → E
R (+1) → S
A (+1) → B
W(+1) → X
O (+1) → P
C (+1) → D
So, COWARDLY is coded as ZMESBXPD (which is not given in any option).
Hence, option D is the correct answer.

27. In a certain code SISTER is written as RHRSDQ. How is UNCLE written in that code?
A. TMBKD   B. TBMKD
C. TVBOD   D. TMKBD
Sol: LOGIC: Each letter in the word is moved one step backward to obtain the corresponding letter of the code.

S (-1) = R
I (-1) = H
S (-1) = R
T (-1) = S
E (-1) = D
R (-1) = Q
Similarly
U (-1) = T
N (-1)= M
C (-1) = B
L (-1) = K
E (-1) = D
Hence, option A is the correct answer.

28. In a certain code, PRODUCTIONS is written as QQPCVBUHPMT. How is ORIENTATION written in that code?
A. PQJDOSBSJNO   B. PQJDOUBUJPO
C. PSJFOVBSJNO   D. NESHFMVBSJNO
Sol:
Logic: The first, third, fifth, seventh, ninth and eleventh letters in the word are each moved one step forward, the second, fourth, sixth, eighth and tenth letters are each moved one step backward.
So, PRODUCTION - QQPCVBUHPMT
Similarly,
ORIENTATION - PQJDOSBSJNO
Hence, option A is the correct answer.

29. In a certain code language, COMPUTRONE is written as PMOCTUENOR. How is ADVANTAGES written in that code?
A. SEGATNAVAD   B. AVDATNSEGA
C. AVDATASEGN   D. NAVDASEGAT
Sol: Logic: The first four letters, the middle two letters and the last four letters of the word are written in a reverse order to form the code.
COMPUTRONE is written as:-
COMP ⇒ PMOC
UT ⇒ TU
RONE ⇒ ENOR

So, "COMPUTRONE" is coded as "PMOCTUENOR".
Similarly,
ADVANTAGES is written as:-
ADVA ⇒ AVDA
NT ⇒ TN
AGES ⇒ SEGA
So, "ADVANTAGES" is coded as "AVDATNSEGA".
Hence, option B is the correct answer.

30.If NASCENT is written as 2734526, how is SENTENCE written in that code?
A. 35265235   B. 35256245
C. 35265245   D. 35256275
Sol: NASCENT → 2734526,
N → 2; A → 7; S → 3; C → 4; E → 5; N → 2; T → 6
Using the number codes of the above letters we get:
SENTENCE
S → 3; E → 5; N → 2; T → 6; E → 5; N → 2; C → 4; E → 5
So, SENTENCE → 35265245
Hence, option C is the correct answer.

31.If TALENT is written as LATENT, how EXOTIC can be written in that code?
A. OXOTIC   B. TEXTIC
C. OXETIC   D. EXOTIC
Sol: In the word TALENT first three letters are reversed Thus for the word EXOTIC it becomes OXETIC
Hence, option C is the correct answer.

32.If BEDA is coded as DJHB then DEKA will be coded as ?
A. HBVJ   B. JVBH
C. HJVB   D. HIVB
Sol: BEDA is coded as DJHB as:
B × 2 = 2 × 2 = 4 which is the place value of letter D.
E × 2 = 5 × 2 = 10 which is the place value of letter J.
D × 2 = 4 × 2 = 8 which is the place value of letter H.

A × 2 = 1 × 2 = 2 which is the place value of letter B.
Similarly,
DEKA is coded as:
D × 2 = 4 × 2 = 8 which is the place value of letter H.
E × 2 = 5 × 2 = 10 which is the place value of letter J.
K × 2 = 11 × 2 = 22 which is the place value of letter V.
A × 2 = 1 × 2 = 2 which is the place value of letter B.
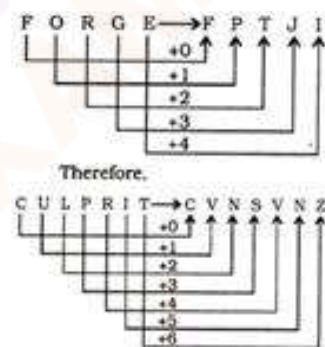So, DEKA is coded as HJVB.
Hence, option C is the correct answer.

33.In a code language 'FORGE' is written as 'FPTJI'; how should 'CULPRIT' be written in the same code?
A. CVNSVNZ   B. CSJNPGR
C. EVMQSTU   D. CXOSULW
Sol: Pattern is:

Hence, option (B) is the correct response.

34.If FRIEND is coded as HUMJTK, how can CANDLE be written in that code?
A. DEQJQM   B. DCQHQK
C. EDRIRL   D. ESJFME
Sol: The given pattern here is (numbers are added to the positional values of alphabets):
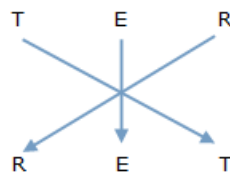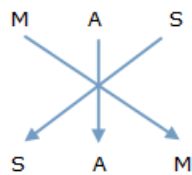F + 2 = H
R + 3 = U
I + 4 = M
E + 5 = J

N + 6 = T
D + 7 = K
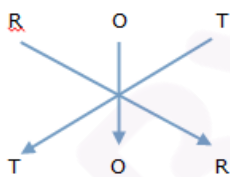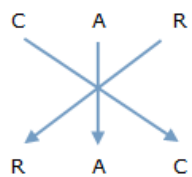Similarly, CANDLE = EDRIRL
Hence, option C is the correct answer.

35.If in a code MASTER is written as SAMRET then how CARROT be written in the same code?
A. RACTOR   B. RCATRO
C. RCATOR   D. ARMTOR

Sol:

M   A   S   T   E   R

S   A   M   R   E   T

Therefore,

C   A   R   R   O   T

R   A   C   T   O   R
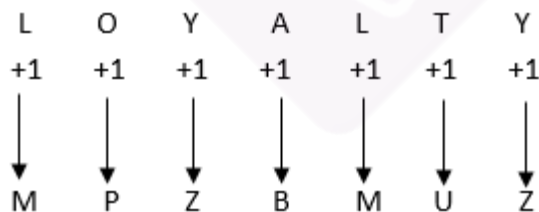
Hence, option A is correct.
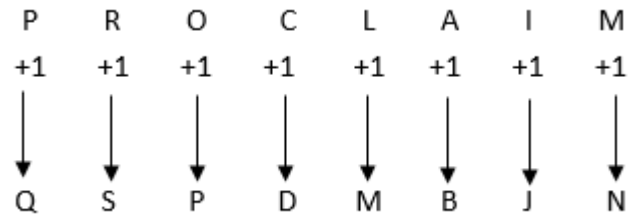
36.In a certain code language, "LOYALTY" is written as "MPZBMUZ". How is "PROCLAIM" written in that code language?
A. QSPDDBJN   B. QSPDBMJN
C. QSPDMBJN   D. QPSDMBJN
Sol: The relation between the letters is as follows,

L	O	Y	A	L	T	Y
+1	+1	+1	+1	+1	+1	+1
M	P	Z	B	M	U	Z

Similarly

P	R	O	C	L	A	I	M
+1	+1	+1	+1	+1	+1	+1	+1
Q	S	P	D	M	B	J	N

Thus, PROCLAIM is related to QSPDMBJN.
Hence, option C is the correct answer.

37.If SUNDAY = 18, MONSOON = 21, YEAR = 12, then THURSDAY = ?
A. 26   B. 42
C. 28   D. 24
Sol: Clearly,
Number of letters in word 'SUNDAY' = 6
That is SUNDAY' = 6 ×3 = 18
Similarly, Number of letters in word 'MONSOON' = 7
That is MONSOON = 7 ×3 = 21
And, Number of letters in word 'YEAR' = 4
That is YEAR = 4 ×3 = 12
Therefore, Number of letters in word 'THURSDAY' = 8
That is THURSDAY = 8 ×3 = 24
Hence, option D is the correct answer.

38.In a certain code language, "READ" is written as "18514". How is "RATE" written in that code language?
A. 181520   B. 181025
C. 181205   D. 181914

Sol:

R = 18	R = 18
E = 5	A = 1
A = 1	T = 20
D = 4	E = 05

Hence, option C is the correct answer.

39.In a certain code language, "FRIEND" is written as "IULHQG". How is "ENEMY" written in that code language?

A. HQHPB   B. HQHPA
C. HQEMY   D. HQHPG

Sol: F + 3 = I
R + 3 = U
I + 3= L
E + 3 = H
N + 3 = Q
D + 3 = G
Similarly,
E + 3= H
N + 3 = Q
E + 3= H
M + 3 = P
Y + 3= B
Hence, option A is the correct response.

40. In a certain code language, SUN is coded as 27. How will MOON be coded in the same language?

A. 51   B. 54
C. 48   D. 63

Sol:
Logic: Taking Z=1, Y=2, X=3 and so on till A= 26, we see that S=8, U=6, N=13.
So, SUN = 8 + 6 + 13 = 27.
Using the same logic,
MOON = 14 + 12 + 12 + 13 = 51.
Hence, option A is the correct answer.

41.If 64 + 53 = 4, 86 + 42 = 4, then 83 + 72 = ?

A. 12   B. 10
C. 15   D. 18

Sol: In 64 + 53 = 4:
6 − 4 = **2;** 5 − 3 = **2** ⇒ **2** + **2** = 4
In 86 + 42 = 4
8 − 6 = **2;** 4 − 2 = **2** ⇒ **2** + **2** = 4
Therefore,
In 83 + 72 = ?
8 − 3 = **5;** 7 − 2 = **5** ⇒ **5** + **5** = 10
Hence, option B is the correct answer.

42.In a certain code, **ROSE** is written as **#43$** and **FIRST** is written as **5*#37**. How is **STORE** written in that code?

A. 473$#   B. 473#$
C. 374#$ D. 347#$

Sol:

```
R   O   S   E
↓   ↓   ↓   ↓
#   4   3   $
```

```
F   I   R   S   T
↓   ↓   ↓   ↓   ↓
5   *   #   3   7
```

Using the above letter codes we get,

```
S   T   O   R   E
↓   ↓   ↓   ↓   ↓
3   7   4   #   $
```

Hence, option C is the correct answer.

43.If DEAF is equal to 32, what will be LEAF ?

A. 48   B. 50
C. 52   D. 56

Sol:
Logic: Take the sum of the place value of letters × 2 = number code
D + E + A + F → (4 + 5 + 1 + 6) = 16
⇒ 16 × 2 = 32
Similarly,
L + E + A + F → (12 + 5 + 1 + 6) = 24
⇒ 24 × 2 = 48
thus, LEAF = 48
Hence, option A is the correct response.
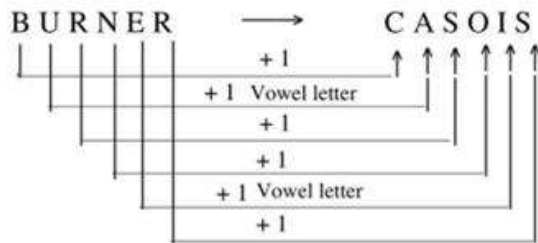
44.If BURNER is coded as CASOIS, then how will ALIMENT be coded?

A. BKJLFMU   B. EKOLIMS
C. EMONIOU   D. BRJSFTU

Sol:
As for each vowel in BURNER the next vowel is written while for the consonant, the next letter after the consonant is written in the code.

BURNER ⟶ CASOIS
+1
+1 Vowel letter
+1
+1
+1 Vowel letter
+1

Similarly,
A L I M E N T → E M O N I O U
Hence, option C is the right answer.

45. In a coding system, SHEEP is written as GAXXR and BLEAT as HPXTN. How can SLATE be written in this coding system?

A. GPTNX B. GPTXN
C. GPXNT D. PTGXN

Sol:

Letter	S	H	E	P	B	L	A	T
Code	G	A	X	R	H	P	T	N

Using the codes of above letter we get the code of SLATE → GPTNX.
Hence, option (A) is the correct response.

46. If UNITY is coded as 13923, then how MANGO will be coded.

A. 23174 B. 21374
C. 23147 D. 21347

Sol:

U → 21 → 2 − 1 → 1   M → 13 → 3 − 1 → 2

N → 14 → 4 − 1 → 3   A → 01 → 1 − 0 → 1

I → 09 → 9 − 0 → 9   N → 14 → 4 − 1 → 3

T → 20 → 2 − 0 → 2   G → 07 → 7 − 0 → 7

Y → 25 → 5 − 2 → 3   O → 15 → 5 − 1 → 4

Hence, option B is correct.

47. If SEASONAL is written as ESSANOLA, how can SEPARATE be written in that code?

A. SEAPARET B. ESPARATE
C. ESPAARTE D. ESAPARET

Sol: Here the pattern is:

S E A S O N A L
⤬ ⤬ ⤬ ⤬
E S S A N O L A

Similarly,

S E P A R A T E
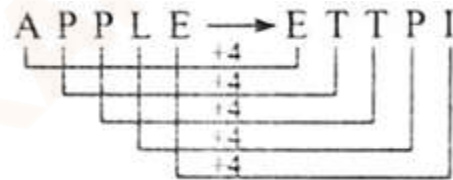⤬ ⤬ ⤬ ⤬
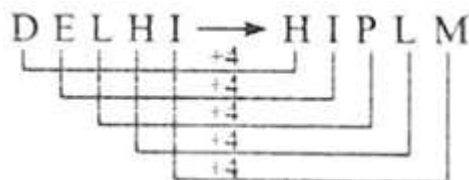E S A P A R E T

Hence, option D is the correct response.

48. In a certain coding system, APPLE stands for ETTPI. What is the code for 'DELHI'?

A. CQMND B. CQPLM
C. ZAHDE D. HIPLM

Sol: As,

A P P L E ⟶ E T T P I
+4
+4
+4
+4
+4

Similarly,

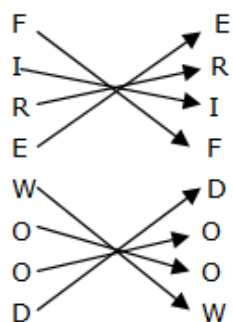D E L H I ⟶ H I P L M
+4
+4
+4
+4
+4

Hence, option D is the correct answer.

49. If FIREWOOD is written as ERIFDOOW, how is FRACTION written as?

A. ARFITCNO B. NOITCARF
C. CARFNOIT D. CRAFNOIT

Sol: FIREWOOD is written as ERIFDOOW

F   E
I   R
R   I
E   F

W   D
O   O
O   O
D   W

Using the same rule:

F   C
R   A
A   R
C   F
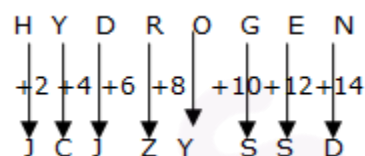
T   N
I   O
O   I
N   T
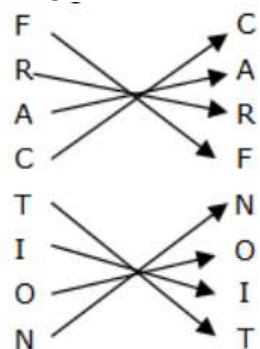
So, FRACTION can be written as CARFNOIT.
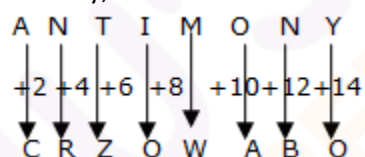Hence, option C is the correct answer.

50. If in a certain code HYDROGEN is written as JCJZYSSD, then how can ANTIMONY be written in that code?
A. CPVKOQPA   B. CRZQWABO
C. ERXMQSRC   D. GTZOSUTE
Sol:

H Y D R O G E N
+2 +4 +6 +8 +10 +12 +14
J C J Z Y S S D

Similarly,

A N T I M O N Y
+2 +4 +6 +8 +10 +12 +14
C R Z Q W A B O

Hence. option B is correct.