SSC CODING DECODING-1 SOLUTION

1. (A)

G O L D → I Q N F
+2 +2 +2 +2

Similarly,
W I N D → Y K P F
+2 +2 +2 +2
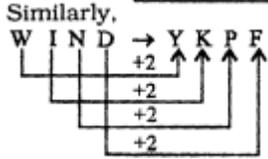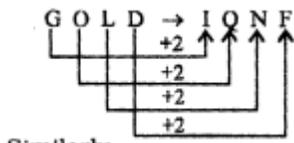
2. (B)

A = 1 → The position number in English alphabet.

P A T
↓ ↓ ↓
16 + 1 + 20 = 37
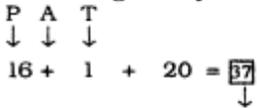
Sum of Position Numbers of the letters in English alphabet.

Similarly,
T A P
↓ ↓ ↓
20 + 1 + 16 = 37

3. (C)

D = 4 and
B A D
↓ ↓ ↓
2 + 1 + 4 = 7

Similarly,
A N T
↓ ↓ ↓
1 + 14 + 20 = 35

4. (b)

H K U J → F I S H
−2 −2 −2 −2

Similarly,
U V C D → S T A B
−2 −2 −2 −2

5. (a)

2 15 17 4
B O Q D → E R T G
5 18 20 7
+3 +3 +3 +3

Similarly,
1 14 16 3
A N P C → D Q S F
4 17 19 6
+3 +3 +3 +3
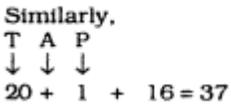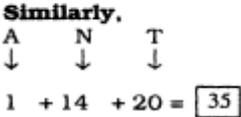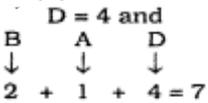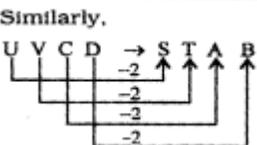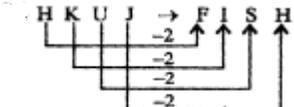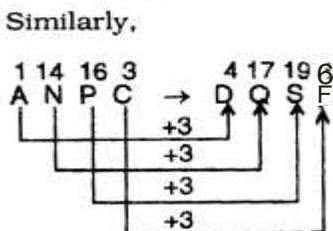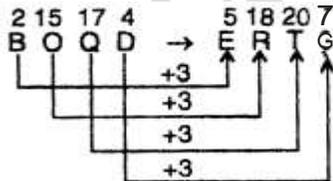
**6. (d)** The given pair is of opposite letters.

Series of opposite letters

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

Now
A F K P
↓ ↓ ↓ ↓
Z U P K

B G L Q
↓ ↓ ↓ ↓
Y T O J

7. (c)

N O I D A → S T N I F
+5 +5 +5 +5 +5

Similarly
M E E R U T → R J J W Z Y
+5 +5 +5 +5 +5 +5

8. (a)

F O R G E T → D P P H C U
−2 +1 −2 +1 −2 +1
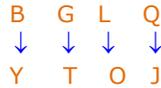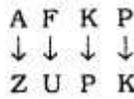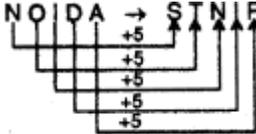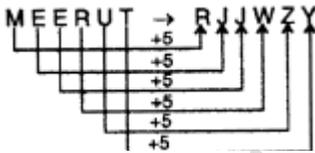
Similarly,
D O C T O R → B P A U M S
−2 +1 −2 +1 −2 +1
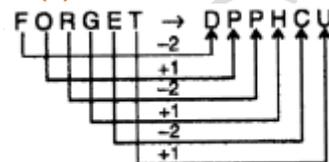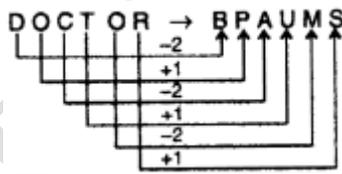
9. (c)

GC Trick : From the jumbled letters only the word NOVEMBER can be formed considering the given options.

1 2 3 4   5 6 7 8
D E C E   M B E R
↓
7 8 5 6   3 4 1 2
E R M B   C E D E
Similarly,
7 8 5 6   3 4 1 2
E R M B   V E N O
↓
1 2 3 4   5 6 7 8
N O V E   M B E R

10. (c)

$R \rightarrow 18$

$E \rightarrow 5$

$D \rightarrow 4$

Add 2 to the position number of each alpahbet and then write the sum so obtained in reverse order.

R E D ⇒ 6 7 20

Similarly
G R E E N
↓ ↓ ↓ ↓ ↓
7 18 5 5 14
+ + + + +
2 2 2 2 2
↓ ↓ ↓ ↓ ↓
9 20 7 7 16
G R E E N ⇒ 16 7 7 20 9
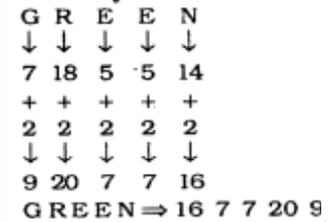
11. (b) A=26 i.e., the position number of A from the right end or in reverse order.

S U N
↓ ↓ ↓
8 + 6 + 13 = 27

Similarly,
C A T
↓ ↓ ↓
24 + 26 + 7 = 57

12. (c)

O R G A N I Z A T I O N
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
C B D W L Q J W Y Q C L

And
O P E R A T I O N
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
C X F B W Y Q C L

Therefore,
S E P A R A T I O N
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
J F X W B W Y Q C L

13. (d)

1 3 5 7   14 16 18 20
A C E G → N P R T
+13 +13 +13 +13

Similarly
1 4 7 10   14 17 20 23
A D G J → N Q T W
+13 +13 +13 +13

14. (a)

6 8 5 7   10 12 9 11
F H E G → J L I K
+4 +4 +4 +4
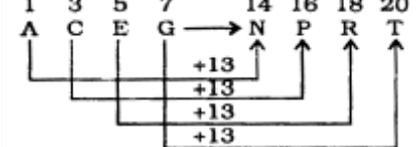
Similarly,
16 18 15 17   20 22 19 21
P R O Q → T V S U
+4 +4 +4 +4
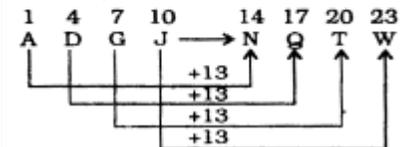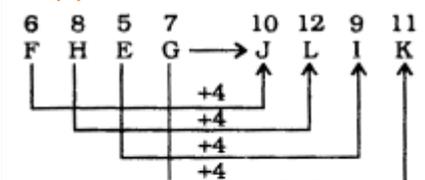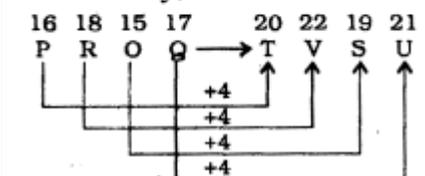
15. (a) A=1 position number in the english alphabet.

```
F    A    T
↓    ↓    ↓
6 +  1 +  20 = 27
```

Therefore,

```
F    A    I    T    H
↓    ↓    ↓    ↓    ↓
6 +  1 +  9 +  20 + 8 = 44
```

16. (d)

```
16  1  16  5  18 → 15 26 15  4  17
P   A  P   E   R    O   Z  O   D   Q
```


Therefore

```
16  5  14  3  9  12 → 15  4  13  2   8  11
P   E   N  C  I  L     O   D   M  B   H  K
```


17. (d)


```
A  D  B  C → W  Z  X  Y
```

Pair of opposite letters.
Similarly


```
E  H  F  G → S  V  T  U
```

18. (c)

```
10 12 14 16 → 15 13 11 9
J   L   N   P   O   M   K   I
```



Similarly,

```
19  21  23  25 → 24  22  20  18
S   U   W   Y     X   V   T   R
```


19. (c)

```
P  E  N
↓  ↓  ↓
N  Z  O
B  A  R  K
↓  ↓  ↓  ↓
C  T  S  L
```

Therefore,

```
P  R  A  N  K
↓  ↓  ↓  ↓  ↓
N  S  T  O  L
```

20. (d)

```
(4) B  R  O  T  H  E  R
    ↓  ↓  ↓  ↓  ↓  ↓  ↓
    2  4  5  6  7,8  4
    S  I  S  T  E  R
    ↓  ↓  ↓  ↓  ↓  ↓
    9  1  9  6  8  4
```

Therefore,

```
R  O  B  B  E  R  S
↓  ↓  ↓  ↓  ↓  ↓  ↓
4  5  2  2  8  4  9
```

21. (a)

```
1  4   3            2  5 6 7
E  N  V  I  R  O  N  M  E N T
```

22. (d) There is no 'G' letter in the given word.

23. (a) EGQU

24. (d)


```
K  I  J  M ;       Q  O  P  S
+1                 +1
+2                 +2

M  K  L  O ;       O  M  N  Q
+1                 +1
+2                 +2
```

25. (a)

```
B U T T E R → C V U U F S
+1
+1
+1
+1
+1
+1

B R E A D → C S F B E
+1
+1
+1
+1
+1
```

Therefore

```
C O F F E E → D P G G F F
+1
+1
+1
+1
+1
+1
```

26. (b)

```
C  L  O  U  D
↓  ↓  ↓  ↓  ↓
5  9  4  3  2
R  A  I  N
↓  ↓  ↓  ↓
1  6  7  8
```

Therefore

```
A  R  O  U  N  D
↓  ↓  ↓  ↓  ↓  ↓
6  1  4  3  8  2
```

27. (b) There is no 'A' letter in the given word. Therefore, the word CAUTION cannot be formed.

28. (c) E=5, i.e., position number in the english alphabet.

```
R  E  D
```

18+5+4=27, i.e., sum of the position numbers of the letters.

Therefore

```
D  A  N  C  E
4+1+14+3+5=27.
```

38. (c)

```
E  A  R  T  H
↓  ↓  ↓  ↓  ↓
Q  P  M  Z  S
```

Therefore,

```
H  E  A  R  T
↓  ↓  ↓  ↓  ↓
S  Q  P  M  Z
```

29. (a)

```
  B   E      Q   U   I   C   K
-2↓  ↓-2  -2↓ -2↓ -2↓ -2↓ -2↓
  Z   C      O   S   G   A   I
```

Therefore, Y —-2→ W

30. C O N S C I O U S L Y
```
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
P EB NPJEXNKM
```

Therefore

```
S  O  I  L
↓  ↓  ↓  ↓
N  E  J  A
```

31. (c) 55. Discuss with Alok Sir.

32. (a)

```
P  R  A  B  A
↓  ↓  ↓  ↓  ↓
2  7  5  9  5

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

Therefore,

```
B  H  A  R  A  T  I
↓  ↓  ↓  ↓  ↓  ↓  ↓
9  6  5  7  5  3  8
```

33. (d)

```
P  A  R  E  N  T
↓  ↓  ↓  ↓  ↓  ↓
B  D  F  G  J  K

C  H  I  L  D  R  E  N
↓  ↓  ↓  ↓  ↓  ↓  ↓  ↓
M  O  X  Q  U  F  G  J
```

Therefore,

```
R  E  P  R  I  N  T
↓  ↓  ↓  ↓  ↓  ↓  ↓
F  G  B  F  X  J  K
```

34. (a) Here we get the answer by adding the order number of the letters of stable.

35. (c) As

```
B O D Y      A P C Z
-1
+1
-1
+1
```

Similarly

```
D E L H I    C F K I H
-1
+1
-1
+1
-1
```