Coding/Decoding

Solution

1. **Answer: (C)**
The pattern followed here is:

Q U E S T I O N

+1

O P J U T F V R

Similarly,

F A C T O R

+1

S P U D B G

Hence, the correct answer is SPUDBG.

2. **Answer: (B)**
The pattern followed here is:
For odd places, letter - 1
For even places, letter + 1

+1   +1   +1   +1
B A C H E L O R

S N M D I B B A
-1   -1   -1   -1

Similarly,

+1   +1   +1   +1
C O H E S I O N

O N J R F G P B
-1   -1   -1   -1

Hence, the correct answer is ONJRFGPB.

3. **Answer: (A)**
The pattern followed here is:

M A C H I N E

C A M H E N I

Similarly,

M O N S T E R

N O M S R E T

Hence, the correct answer is NOMSRET.

4. **Answer: (B)**
The pattern followed here is:

C O N C E R T

C N E R O C T

Similarly,

S M A R T E R

R A T E M S R

Hence, the correct answer is RATEMSR.

5. **Answer:(D)**
The pattern followed here is:

M O N K E Y

-1 +1 -1 +1 -1 +1

L P M L D Z

Similarly,

```
S   T   R   O   K   E
| -1 | +1 | -1 | +1 | -1 | +1 |
R   U   Q   P   J   F
```

Hence, the correct answer is RUQPJF.

6.   Answer: (D)
The pattern followed here is :

```
P E        N C        I L
 X          X          |
P N        E I        C L
```

Similarly,

```
M O        T H        E R
 X          X          |
M O        T H        E R
```

Hence, the correct answer is 'MTOEHR'.

7.   Answer: (C)
The pattern followed here is:

```
E      X P    L A      N
 X       X X          X
X      E A    L P N      I
```

Similarly,

```
F      A C    T O R      Y
 X       X X          X
A      F O    T C Y      R
```

Hence, the correct answer is 'AFOTCYR'.

8.   Answer: (D)
The pattern followed is,

```
H   A   M   M   E   R
| -1 | +1 | -1 | +1 | -1 | +1 |
G   B   L   N   D   S
```

Similarly,

```
N   E   E   D   L   E
| -1 | +1 | -1 | +1 | -1 | +1 |
M   F   D   E   K   F
```

Hence, "MFDEKF" is the correct answer.

9.   Answer: (A)
The patter followed is,
TIGER → SUHJFHDFQS
Based on place values,
T is between 'S' and 'U'
I is between 'H' and 'J'
G is between 'F' and 'H'
E is between 'D' and 'F'
R is between 'Q' and 'S'
Similarly,
H is between 'G' and 'I'
O is between 'N' and 'P'
R is between 'Q' and 'S'
S is between 'R' and 'T'
E is between 'D' and 'F'
HORSE → GINPQSRTDF
Hence, "HORSE" is the correct answer.

10.   Answer: (D)
The logic/pattern followed here is:

```
C   E   R   T   A   I   N
| +1 | +1 | +1 | +1 | +1 | +1 | +1 |
D   F   S   U   B   J   O
```

Similarly,

S U M M E R
+1 +1 +1 +1 +1 +1
T V N N F S

Hence, the answer is 'TVNNFS'.

11. **Answer: (D)**
The pattern followed here is:
A and E are coded as 1 and 2 respectively. Remaining letters are interchanged by the next letter in English alphabet.
B + 1 → C
E → 2
W + 1 → X
A → 1
R + 1 → S
E → 2
Hence, the correct answer is 'C2X1S2'.

12. **Answer: (B)**
The pattern followed here is:
E M B E Z Z L E
M E E B Z Z E L
Similarly,
M A X I M I Z E
A M I X I M E Z
Hence, the correct answer is 'AMIXIMEZ'.

13. **Answer: (D)**
In a certain coding language,
E X A M P L E
-1 -1 -1 -1 -1 -1 -1
D W Z L O K D
Similarly,
E L E C T I O N
-1 -1 -1 -1 -1 -1 -1 -1
D K D B S H N M

Hence, 'DKDBSHNM' is the correct answer.

14. **Answer: (B)**
The pattern followed is
The place values for EDITION are
E → 5, 5th letter from reverse is V
D → 4, 4th letter from reverse is W
I → 9, 9th letter from reverse is R
T → 20, 20th letter from reverse is G
I → 9, 9th letter from reverse is R
O → 15, 15thletter from reverse is L
N → 14, 14th letter from reverse is M
EDITION is coded as VWRGRLM
Similarly,
The place values for SLMVHGB are
S → 19,19th letter from reverse is H
L → 12, 12th letter from reverse is O
M → 13, 13th letter from reverse is N
V → 22, 22nd letter from reverse is E
H → 8, 8th letter from reverse is S
G → 7, 7thletter from reverse is T
B → 2, 2nd letter from reverse is Y
SLMVHGB is coded as HONESTY
Hence, "HONESTY" is the right answer.

15. **Answer: (D)**
The pattern/logic followed here is:
W A T E R
+1 -1 +1 -1 +1
X Z U D S

Similarly,
Here, the code of the word is already given in this question. We have to find the word.
B M H K F
-1 +1 -1 +1 -1
A N G L E

Hence, 'ANGLE' will be coded as 'BMHKF'.

16. **Answer: (B)**

The pattern followed is
The place values for EDITION are
E → 5, 5th letter from reverse is V
D → 4, 4th letter from reverse is W
I → 9, 9th letter from reverse is R
T → 20, 20th letter from reverse is G
I → 9, 9th letter from reverse is R
O → 15, 15th letter from reverse is L
N → 14, 14th letter from reverse is M
EDITION is coded as VWRGRLM
Similarly,
The place values for SLMVHGB are
S → 19, 19th letter from reverse is H
L → 12, 12th letter from reverse is O
M → 13, 13th letter from reverse is N
V → 22, 22nd letter from reverse is E
H → 8, 8th letter from reverse is S
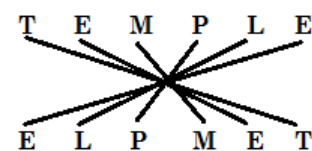G → 7, 7th letter from reverse is T
B → 2, 2nd letter from reverse is Y
SLMVHGB is coded as HONESTY
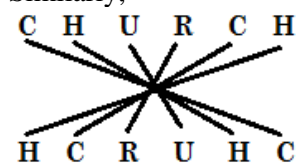Hence, "HONESTY" is the correct answer.

17. **Answer: (B)**
The given pattern is jumbled to obtain the answer
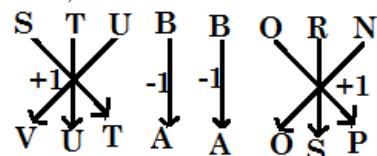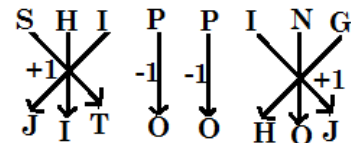TEMPLE -> ELPMET

T E M P L E

E L P M E T

Similarly,

C H U R C H

H C R U H C

Hence, 'HCRUHC' is the correct answer.

18. **Answer: (D)**
Here,

S T U B B O R N
+1   -1 -1   +1
V U T A A O S P

Same pattern is to be followed for 'SHIPPING'

S H I P P I N G
+1   -1 -1   +1
J I T O O H O J

Hence, answer is JITOOHOJ.

19. **Answer: (B)**
Here, 'CHANTED' has been coded as follows,

3 8 1 14 20 5 4
C H A N   T   E D
-3 -3 -3 -3 -3 -3 -3
Z E X K   Q   B A
26 5 24 11 17 2 1
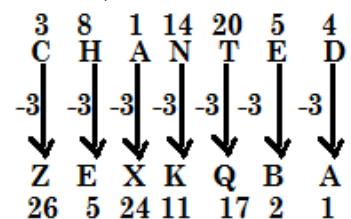
Similarly, 'MAY' will be coded,

13 1 25
M   A Y
-3 -3 -3
J   X V
10 24 22
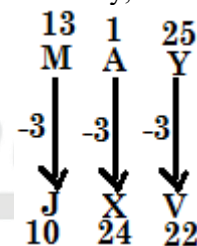
Hence, 'MAY' will be coded as 'JXV'.

20. **Answer: (A)**
Pattern followed here is,
N - 1 = M
I - 2 = G
G - 3 = D
H - 4 = D
T - 5 = O
It is written in reverse order → ODDGM.
Similarly,
G - 1 = F
R - 2 = P
E - 3 = B
E - 4 = A
N - 5 = I
Reverse order → IABPF.
Thus, correct answer is IABPF.