**3. Coding-Decoding MCQ**

**✅ 10 Solved Coding-Decoding Questions (Step-by-Step)**

**1. Letter Coding**

**Q:** If **TRUTH** is coded as **UVSUI**, what is the code for **FALSE**?

**Step-by-step:**  
T(+1) → U  
R(+1) → S  
U(+1) → V  
T(+1) → U  
H(+1) → I  
So,  
F → G  
A → B  
L → M  
S → T  
E → F  
**Answer: GBMTF**

**2. Number Coding**

**Q:** If **HOT = 8 15 20**, how is **DOG** coded?

**D → 4, O → 15, G → 7**  
**Answer: 4 15 7**

**3. Letter Coding with Reverse Pattern**

**Q:** If **COLD = XLOA**, how is **HEAT** coded?

**C(3) → X(24) = 27 - 3 = 24**  
**O(15) → L(12)**  
**L(12) → O(15)**  
**D(4) → A(1)**  
Pattern: Reverse alphabet values: A=26, Z=1  
So,  
H(8) → S(19)  
E(5) → V(22)  
A(1) → Z(26)  
T(20) → G(7)  
**Answer: SVZG**

**4. Word to Number**

**Q:** If **PEN = 16 + 5 + 14 = 35**, find the code for **BOOK**.

B(2) + O(15) + O(15) + K(11) = 43  
**Answer: 43**

**5. Word Position Coding**

**Q:** If **C=3, A=1, T=20**, then how is **BAT** coded?

B(2) + A(1) + T(20) = **23**  
**Answer: 23**

**6. Substitution Coding**

**Q:** If ‘Blue is Green’, ‘Green is Red’, ‘Red is White’, then what is the color of grass?

Grass is green → Green is red  
**Answer: Red**

**7. Letter Shifting**

**Q:** If **BACK = CDJL**, what is the code for **DONE**?

B(+1)=C, A(+1)=B, C(+1)=D, K(+1)=L  
So D(+1)=E, O(+1)=P, N(+1)=O, E(+1)=F  
**Answer: EPOF**

**8. Symbol Coding**

**Q:** If \* is +, + is –, – is \*, and / is /, then solve: 5 \* 3 + 2

* = + ⇒ 5 + 3 = 8
* = – ⇒ 8 – 2 = **6**  
  **Answer: 6**

**9. Letter Reversal**

**Q:** If **FLOWER** is coded as **REWOLF**, how is **GARDEN** coded?

Reverse: **NEDRAG**  
**Answer: NEDRAG**

**10. Mixed Letter Shift**

**Q:** If **JUMP = KVOQ**, how is **DROP** coded?

J(+1)=K, U(+1)=V, M(+1)=N, P(+1)=Q  
So D→E, R→S, O→P, P→Q  
**Answer: ESPQ**

**🔸 40 Unsolved Coding-Decoding Questions**

1. If TREE is coded as USFF, then what is LEAF?
2. If MONK = NPOL, then what is KING?
3. If DOOR = FQQT, what is ROOM?
4. If RAIN = TCKP, then SNOW = ?
5. If CAT = XZG, what is DOG?
6. If MOBILE = NQCKNG, then TABLET = ?
7. If SCHOOL = TDIPPM, then COLLEGE = ?
8. If PEN = 35, and INK = 29, then BOOK = ?
9. If SKY = 55, then EARTH = ?
10. If BOY = 25, and GIRL = 52, then MAN = ?
11. If DELHI = EFMIJ, then BOMBAY = ?
12. If DREAM = ESFBN, then NIGHT = ?
13. If CAR = DCT, then BUS = ?
14. If KITE = LJUF, then FLY = ?
15. If COLD = 3-15-12-4, then WARM = ?
16. If SUN = 54, then MOON = ?
17. If SHARP = TIBSQ, then DULL = ?
18. If DAY = EBZ, then NIGHT = ?
19. If ROAD = SPBE, then LANE = ?
20. If SUGAR = TVHBS, then SALT = ?
21. If LION = MJPO, then TIGER = ?
22. If STAR = TUCS, then MOON = ?
23. If RISE = SJTF, then FALL = ?
24. If HOT = IQV, then COLD = ?
25. If GAME = HBNF, then PLAY = ?
26. If BLUE = AMVD, then PINK = ?
27. If WATER = YCVGT, then MILK = ?
28. If GREEN = HTFFO, then YELLOW = ?
29. If NOSE = OPTF, then EYES = ?
30. If HONEY = IPOFZ, then SWEET = ?
31. If CHAIR = DIBJS, then TABLE = ?
32. If MANGO = OCPHQ, then GRAPE = ?
33. If FEVER = GFWFS, then COUGH = ?
34. If COVID = DPWJE, then VIRUS = ?
35. If FRUIT = GSVJU, then APPLE = ?
36. If EAR = FBS, then EYE = ?
37. If HEAD = IFBE, then BRAIN = ?
38. If TEA = UFB, then COFFEE = ?
39. If DOG = EPH, then CAT = ?
40. If NAME = OBNF, then FAME = ?