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Logical Reasoning Tricks and Techniques for

Exam: IAS, PCS, UPSC, Bank PO, NDA, RRB, SSC, Indian Air Force, Etc.

VERBAL REASONING: CODING-DECODING(English)

Q1: If 'BAT' is coded as 'YZG', how is 'CAT' coded?

Answer 1 (Normal Method):

To decode, we reverse the alphabet order: A=Z, B=Y, C=X, etc.

B -> Y, A -> Z, T -> G

So, C -> X, A -> Z, T -> G

Therefore, 'CAT' is coded as 'XZG'.

Answer 2 (Tips and Tricks):

Reverse each letter: C->X, A->Z, T->G

'CAT' -> 'XZG'

Q2: If 'HELLO' is coded as 'KHOOR', how is 'WORLD' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

H+3=K, E+3=H, L+3=O, L+3=O, O+3=R

W+3=Z, O+3=R, R+3=U, L+3=O, D+3=G

Therefore, 'WORLD' is coded as 'ZRUOG'.

Answer 2 (Tips and Tricks):

Shift each letter 3 forward: W->Z, O->R, R->U, L->O, D->G

'WORLD' -> 'ZRUOG'

Q3: If 'ROAD' is coded as 'TQCF', how is 'FUEL' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

R+2=T, O+2=Q, A+2=C, D+2=F

F+2=H, U+2=W, E+2=G, L+2=N

Therefore, 'FUEL' is coded as 'HWGN'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: F->H, U->W, E->G, L->N

'FUEL' -> 'HWGN'

Q4: If 'SHORE' is coded as 'VKRUG', how is 'PLAIN' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions backward in the alphabet.

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S-3=V, H-3=K, O-3=R, R-3=U, E-3=G

P-3=S, L-3=I, A-3=X, I-3=F, N-3=K

Therefore, 'PLAIN' is coded as 'SIXFK'.

Answer 2 (Tips and Tricks):

Shift each letter 3 backward: P->S, L->I, A->X, I->F, N->K

'PLAIN' -> 'SIXFK'

Q5: If 'BRAVE' is coded as 'CSWOF', how is 'FIGHT' coded?

Answer 1 (Normal Method):

Shift each letter by 1 position forward in the alphabet and reverse the order.

B+1=C, R+1=S, A+1=B, V+1=W, E+1=F

F+1=G, I+1=J, G+1=H, H+1=I, T+1=U

Therefore, 'FIGHT' is coded as 'GJHIU'.

Answer 2 (Tips and Tricks):

Shift each letter 1 forward: F->G, I->J, G->H, H->I, T->U

'FIGHT' -> 'GJHIU'

Q6: If 'GOLD' is coded as 'IRMH', how is 'SILVER' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

G+2=I, O+2=Q, L+2=N, D+2=F

S+2=U, I+2=K, L+2=N, V+2=X, E+2=G, R+2=T

Therefore, 'SILVER' is coded as 'UKNXGT'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: S->U, I->K, L->N, V->X, E->G, R->T

'SILVER' -> 'UKNXGT'

Q7: If 'HOUSE' is coded as 'IPWTF', how is 'GARDEN' coded?

Answer 1 (Normal Method):

Shift each letter by 1 position forward in the alphabet.

H+1=I, O+1=P, U+1=V, S+1=T, E+1=F

G+1=H, A+1=B, R+1=S, D+1=E, E+1=F, N+1=O

Therefore, 'GARDEN' is coded as 'HBSEFO'.

Answer 2 (Tips and Tricks):

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Shift each letter 1 forward: G->H, A->B, R->S, D->E, E->F, N->O
GARDEN' -> 'HBSEFO'

Q8: If 'QUEEN' is coded as 'TVIIR', how is 'KING' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

Q+3=T, U+3=V, E+3=H, E+3=H, N+3=Q

K+3=N, I+3=L, N+3=Q, G+3=J

Therefore, 'KING' is coded as 'NLQJ'.

Answer 2 (Tips and Tricks):

Shift each letter 3 forward: K->N, I->L, N->Q, G->J

'KING' -> 'NLQJ'

Q9: If 'ALERT' is coded as 'BMFUV', how is 'EARTH' coded?

Answer 1 (Normal Method):

Shift each letter by 1 position forward in the alphabet.

A+1=B, L+1=M, E+1=F, R+1=S, T+1=U

E+1=F, A+1=B, R+1=S, T+1=U, H+1=I

Therefore, 'EARTH' is coded as 'FBSUI'.

Answer 2 (Tips and Tricks):

Shift each letter 1 forward: E->F, A->B, R->S, T->U, H->I

'EARTH' -> 'FBSUI'

Q10: If 'APPLE' is coded as 'CQTRG', how is 'BANANA' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

A+2=C, P+2=R, P+2=R, L+2=N, E+2=G

B+2=D, A+2=C, N+2=P, A+2=C, N+2=P, A+2=C

Therefore, 'BANANA' is coded as 'DCPCPC'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: B->D, A->C, N->P, A->C, N->P, A->C

'BANANA' -> 'DCPCPC'

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Q11: If 'CRANE' is coded as 'ETCPG', how is 'LION' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

$C+2=E$, $R+2=T$, $A+2=C$, $N+2=P$, $E+2=G$

$L+2=N$, $I+2=K$, $O+2=Q$, $N+2=P$

Therefore, 'LION' is coded as 'NKQP'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: $L \rightarrow N$, $I \rightarrow K$, $O \rightarrow Q$, $N \rightarrow P$

'LION' \rightarrow 'NKQP'

Q12: If 'WATER' is coded as 'YDWHU', how is 'FIRE' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

$W+2=Y$, $A+2=C$, $T+2=V$, $E+2=G$, $R+2=T$

$F+2=H$, $I+2=K$, $R+2=T$, $E+2=G$

Therefore, 'FIRE' is coded as 'HKTG'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: $F \rightarrow H$, $I \rightarrow K$, $R \rightarrow T$, $E \rightarrow G$

Q13: If 'CLOCK' is coded as 'DMPDL', how is 'WATCH' coded?

Answer 1 (Normal Method):

Shift each letter by 1 position forward in the alphabet.

Answer 1 (Normal Method):

$O+1=P$, $C+1=D$, $K+1=L$

$W+1=X$, $A+1=B$, $T+1=U$, $C+1=D$, $H+1=I$

Therefore, 'WATCH' is coded as 'XBDUI'.

Answer 2 (Tips and Tricks):

Shift each letter 1 forward: $W \rightarrow X$, $A \rightarrow B$, $T \rightarrow U$, $C \rightarrow D$, $H \rightarrow I$

'WATCH' \rightarrow 'XBDUI'

Q14: If 'TREND' is coded as 'WUHOQ', how is 'MARKET' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

$T+3=W$, $R+3=U$, $E+3=H$, $N+3=Q$, $D+3=G$

$M+3=P$, $A+3=D$, $R+3=U$, $K+3=N$, $E+3=H$, $T+3=W$

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Therefore, 'MARKET' is coded as 'PDUHNW'.

Answer 2 (Tips and Tricks):

Shift each letter 3 forward: M->P, A->D, R->U, K->N, E->H, T->W

'MARKET' -> 'PDUHNW'

Q15: If 'SUMMER' is coded as 'XVQQJY', how is 'WINTER' coded?

Answer 1 (Normal Method):

Shift each letter by 5 positions forward in the alphabet.

S+5=X, U+5=Z, M+5=R, M+5=R, E+5=J, R+5=W

W+5=B, I+5=N, N+5=S, T+5=Y, E+5=J, R+5=W

Therefore, 'WINTER' is coded as 'BNSYJW'.

Answer 2 (Tips and Tricks):

Shift each letter 5 forward: W->B, I->N, N->S, T->Y, E->J, R->W

'WINTER' -> 'BNSYJW'

Q16: If 'BRIGHT' is coded as 'CQJHGU', how is 'SMART' coded?

Answer 1 (Normal Method):

Shift each letter by 1 position forward in the alphabet and reverse the order.

B+1=C, R+1=S, I+1=J, G+1=H, H+1=I, T+1=U

S+1=T, M+1=N, A+1=B, R+1=S, T+1=U

Therefore, 'SMART' is coded as 'TNBUS'.

Answer 2 (Tips and Tricks):

Shift each letter 1 forward: S->T, M->N, A->B, R->S, T->U

'SMART' -> 'TNBUS'

Q17: If 'EAGLE' is coded as 'FCIU F', how is 'FALCON' coded?

Answer 1 (Normal Method):

Shift each letter by 1 position forward and convert vowels to next consonants.

E+1=F, A+1=B, G+1=H, L+1=M, E+1=F

F+1=G, A+1=B, L+1=M, C+1=D, O+1=P, N+1=O

Therefore, 'FALCON' is coded as 'GBMDOP'.

Answer 2 (Tips and Tricks):

Shift each letter 1 forward: F->G, A->B, L->M, C->D, O->P, N->O

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'FALCON' -> 'GBMDOP'

Q18: If 'MUSIC' is coded as 'PXSJF', how is 'SONG' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

M+3=P, U+3=X, S+3=V, I+3=L, C+3=F

S+3=V, O+3=R, N+3=Q, G+3=J

Therefore, 'SONG' is coded as 'VRQJ'.

Answer 2 (Tips and Tricks):

Shift each letter 3 forward: S->V, O->R, N->Q, G->J

'SONG' -> 'VRQJ'

Q19: If 'BOARD' is coded as 'CQDTE', how is 'GAMER' coded?

Answer 1 (Normal Method):

Shift each letter by 1 position forward in the alphabet.

B+1=C, O+1=P, A+1=B, R+1=S, D+1=E

G+1=H, A+1=B, M+1=N, E+1=F, R+1=S

Therefore, 'GAMER' is coded as 'HBNFS'.

Answer 2 (Tips and Tricks):

Shift each letter 1 forward: G->H, A->B, M->N, E->F, R->S

'GAMER' -> 'HBNFS'

Q20: If 'FIGHT' is coded as 'HJKU', how is 'BATTLE' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

F+2=H, I+2=K, G+2=I, H+2=J, T+2=V

B+2=D, A+2=C, T+2=V, T+2=V, L+2=N, E+2=G

Therefore, 'BATTLE' is coded as 'DCVVNG'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: B->D, A->C, T->V, T->V, L->N, E->G

'BATTLE' -> 'DCVVNG'

Q21: If 'RIVER' is coded as 'VMTIW', how is 'STREAM' coded?

Answer 1 (Normal Method):

Shift each letter by 4 positions forward in the alphabet.

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$R+4=V$, $I+4=M$, $V+4=Z$, $E+4=I$, $R+4=V$
 $S+4=W$, $T+4=X$, $R+4=V$, $E+4=I$, $A+4=E$, $M+4=Q$
Therefore, 'STREAM' is coded as 'WXVIEQ'.

Answer 2 (Tips and Tricks):

Shift each letter 4 forward: $S \rightarrow W$, $T \rightarrow X$, $R \rightarrow V$, $E \rightarrow I$, $A \rightarrow E$, $M \rightarrow Q$
'STREAM' \rightarrow 'WXVIEQ'

Q22: If 'HOUSE' is coded as 'ITWTF', how is 'PALACE' coded?

Answer 1 (Normal Method):

Shift each letter by 1 position forward and reverse the vowels.

$H+1=I$, $O+1=P$, $U+1=V$, $S+1=T$, $E+1=F$
 $P+1=Q$, $A+1=B$, $L+1=M$, $A+1=B$, $C+1=D$, $E+1=F$
Therefore, 'PALACE' is coded as 'QBMDBF'.

Answer 2 (Tips and Tricks):

Shift each letter 1 forward: $P \rightarrow Q$, $A \rightarrow B$, $L \rightarrow M$, $A \rightarrow B$, $C \rightarrow D$, $E \rightarrow F$
'PALACE' \rightarrow 'QBMDBF'

Q23: If 'MONKEY' is coded as 'NPMLOF', how is 'GORILLA' coded?

Answer 1 (Normal Method):

Shift each letter by 1 position forward and reverse the order.

$M+1=N$, $O+1=P$, $N+1=O$, $K+1=L$, $E+1=F$, $Y+1=Z$
 $G+1=H$, $O+1=P$, $R+1=S$, $I+1=J$, $L+1=M$, $L+1=M$, $A+1=B$
Therefore, 'GORILLA' is coded as 'HPSJMMB'.

Answer 2 (Tips and Tricks):

Shift each letter 1 forward: $G \rightarrow H$, $O \rightarrow P$, $R \rightarrow S$, $I \rightarrow J$, $L \rightarrow M$, $L \rightarrow M$, $A \rightarrow B$
'GORILLA' \rightarrow 'HPSJMMB'

Q24: If 'WATER' is coded as 'ZDXIW', how is 'FIRE' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

$W+3=Z$, $A+3=D$, $T+3=W$, $E+3=H$, $R+3=U$
 $F+3=I$, $I+3=L$, $R+3=U$, $E+3=H$
Therefore, 'FIRE' is coded as 'ILUH'.

Answer 2 (Tips and Tricks):

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Shift each letter 3 forward: F->I, I->L, R->U, E->H
'FIRE' -> 'ILUH'

Q25: If 'TIGER' is coded as 'VMJGT', how is 'LION' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

T+2=V, I+2=K, G+2=I, E+2=G, R+2=T

L+2=N, I+2=K, O+2=Q, N+2=P

Therefore, 'LION' is coded as 'NKQP'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: L->N, I->K, O->Q, N->P

'LION' -> 'NKQP'

Q26: If 'CLOUD' is coded as 'ENQWF', how is 'STORM' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

C+2=E, L+2=N, O+2=Q, U+2=W, D+2=F

S+2=U, T+2=V, O+2=Q, R+2=T, M+2=O

Therefore, 'STORM' is coded as 'UVQTO'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: S->U, T->V, O->Q, R->T, M->O

'STORM' -> 'UVQTO'

Q27: If 'PLANE' is coded as 'RODPI', how is 'TRAIN' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

P+2=R, L+2=N, A+2=C, N+2=P, E+2=G

T+2=V, R+2=T, A+2=C, I+2=K, N+2=P

Therefore, 'TRAIN' is coded as 'VTCJP'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: T->V, R->T, A->C, I->K, N->P

'TRAIN' -> 'VTCJP'

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Q28: If 'CHAIR' is coded as 'EJCJT', how is 'TABLE' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

$C+2=E$, $H+2=J$, $A+2=C$, $I+2=K$, $R+2=T$

$T+2=V$, $A+2=C$, $B+2=D$, $L+2=N$, $E+2=G$

Therefore, 'TABLE' is coded as 'VCDNG'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: $T \rightarrow V$, $A \rightarrow C$, $B \rightarrow D$, $L \rightarrow N$, $E \rightarrow G$

'TABLE' \rightarrow 'VCDNG'

Q29: If 'BRAIN' is coded as 'DQCKP', how is 'HEART' coded?

Answer 1 (Normal Method):

Shift each letter by 2 positions forward in the alphabet.

$B+2=D$, $R+2=T$, $A+2=C$, $I+2=K$, $N+2=P$

$H+2=J$, $E+2=G$, $A+2=C$, $R+2=T$, $T+2=V$

Therefore, 'HEART' is coded as 'JGCTV'.

Answer 2 (Tips and Tricks):

Shift each letter 2 forward: $H \rightarrow J$, $E \rightarrow G$, $A \rightarrow C$, $R \rightarrow T$, $T \rightarrow V$

'HEART' \rightarrow 'JGCTV'

Q30: If 'SUN' is coded as 'WXR', how is 'MOON' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

$S+3=V$, $U+3=X$, $N+3=Q$

$M+3=P$, $O+3=R$, $O+3=R$, $N+3=Q$

Therefore, 'MOON' is coded as 'PRRQ'.

Answer 2 (Tips and Tricks):

Shift each letter 3 forward: $M \rightarrow P$, $O \rightarrow R$, $O \rightarrow R$, $N \rightarrow Q$

'MOON' \rightarrow 'PRRQ'

Q32: If 'NOTE' is coded as 'QPXH', how is 'CODE' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

$N+3=Q$, $O+3=R$, $T+3=W$, $E+3=H$

$C+3=F$, $O+3=R$, $D+3=G$, $E+3=H$

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Therefore, 'CODE' is coded as 'FRGH'.

Answer 2 (Tips and Tricks):

Shift each letter 3 forward: C->F, O->R, D->G, E->H

'CODE' -> 'FRGH'

Q33: If 'DOG' is coded as 'HQP', how is 'CAT' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

D+3=G, O+3=R, G+3=J

C+3=F, A+3=D, T+3=W

Therefore, 'CAT' is coded as 'FDW'.

Answer 2 (Tips and Tricks):

Shift each letter 3 forward: C->F, A->D, T->W

'CAT' -> 'FDW'

Q34: If 'WOLF' is coded as 'ZROL', how is 'BEAR' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

W+3=Z, O+3=R, L+3=O, F+3=I

B+3=E, E+3=H, A+3=D, R+3=U

Therefore, 'BEAR' is coded as 'EHDU'.

Answer 2 (Tips and Tricks):

Shift each letter 3 forward: B->E, E->H, A->D, R->U

'BEAR' -> 'EHDU'

Q35: If 'TRUTH' is coded as 'WUXVK', how is 'HONEST' coded?

Answer 1 (Normal Method):

Shift each letter by 3 positions forward in the alphabet.

T+3=W, R+3=U, U+3=X, T+3=W, H+3=K

H+3=K, O+3=R, N+3=Q, E+3=H, S+3=V, T+3=W

Therefore, 'HONEST' is coded as 'KRQHVW'.

Answer 2 (Tips and Tricks):

Shift each letter 3 forward: H->K, O->R, N->Q, E->H, S->V, T->W

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