

# IQ Preparation Class

Reasoning, Logic, Mind Check

Instructor

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*Try For Learn*

# Syllabus for Reasoning

- **Verbal reasoning test:** Comprehension, vocabulary, series, analogy, classification, coding-decoding, insert the missing character, direction and distance sense test, logical reasoning test, ranking order, assertion and reason, induction, deduction, courses of action, etc.
- **Numerical reasoning test:** Sequence/series, analogy, classification, coding, insert the missing character, common property, matrices, data interpretation, data checking, arithmetical reasoning/ operation, percentage, fraction, decimal, ratio, average, profit and loss, date and calendar, time and work, etc.
- **Non-verbal reasoning test:** Series, analogy, symmetry, classification, analytical reasoning , Venn-diagrams, figure matrix, construction of triangles and squares, figure formation and analysis, dot situation, mirror image, water image, embedded figures, transportation of figures, etc.

# Series / Sequence

# Verbal Series / Sequence

# Positional Values of Letters

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

26	25	24	23	22	21	20	19	18	17	16	15	14
Z	Y	X	W	V	U	T	S	R	Q	P	O	N

***Adding positional values of letters vertically as coloring for opposite letters.***

[illegible]

# Remembering Fact

- Best keys  $\leftrightarrow$  for remembering the position of letters will be:

**EJOTY**  $\Rightarrow$

**E $\leftrightarrow$ 5, J $\leftrightarrow$ 10, O $\leftrightarrow$ 15, T $\leftrightarrow$ 20, Y $\leftrightarrow$ 25**

➤ **Opposite letters:** A pair of letters is called opposite letters if sum of their positional value is equal to 27.

➤ **Remembering keys for opposite letters:**

A to Z, Young-Brother, Cute-Xori, Danger-War,  
 Easy-Vast, Friend-Unfriend, Good-Tricks, High-Speed,  
 Iron- Rod, Jack-Queen, Past-King, Last-One,  
 Mid-Night

# We must need to know<sub>(for verbal problem)</sub>

- Natural Numbers(upto 100)
  - Even Numbers (upto 100)
  - Odd numbers (upto 100)
  - Prime Numbers (upto 30)
  - Square Numbers (upto square of 10)
  - Cube Numbers (upto cube of 4)
- 
- Mathematical Operation (DMAS)
  - An ordered list of unique standard data

## Types of Patterns of verbal Series

➤ *Regular/ equal distance pattern:*

*a) B, D, F, H, J, ?*

*b) d, g, j, ?, p, s, v*

*c) L, I, F, ?*

*d) k, r, y, f, ?*

## Types of Patterns of verbal Series

➤ *Increasing or decreasing number difference pattern:*

*a) A, B, D, G, K, ?*

*b) A, E, N, D, ?*

*c) B, D, G, L, S, ?*

*d) c, g, l, r, ?*

## Types of Patterns of verbal Series

➤ *Position pattern*

*a) B, C, D, E, ?*

*b) A, D, I, P, ?*

*c) b, c, e, g, k, ?*

*d) a, c, e, g, ?*



## Types of Patterns of verbal Series

➤ *Up-Down pattern/ Tik-Tok Pattern*

*a) B, E, D, G, F, ?*

*b) D, H, F, J, H, L, ?*

*c) E, H, F, I, G, J, ?*

## Types of Patterns of verbal Series

➤ *Addition of letter position pattern.*

*a) A, C, D, G, K, ?*

*b) A, B, B, D, H, ?*

## Types of Patterns of verbal Series

- *Multiple Series ( Double/ Triple Series)*

*a) A, Z, D, W, G, T, J, ?*

*b) B, Z, E, Y, H, X, K, ?*

*c) H, S, J, Q, L, O, N, M, ? , ?*

## Types of Patterns of verbal Series

- *Multiple Series ( Double/ Triple Series)*

*a) JE, LH, OL, SQ, ?*

*b) B, E, D, F, ?, H, H, ?, J*

*c) AYD, BVF, DRH, ? KGL*

## Types of Patterns of verbal Series

### ➤ *Alpha-Numeric Series*

*a) B-2, F-6, J-10, ? - ?*

*b) A-1, B-4, C-9, D-16, E-?*

*c) PL2, SJ5, VH9, ?*

*d)  $P_1QR$ ,  $PQ^2R$ ,  $PQR_3$ , ... ..,  $PQ_5R$*

*e) A4, b9, C16, d25, ???*

## Types of Patterns of verbal Series

### ➤ *Alpha-Numeric Series*

*a) 6881268612368812?466861234568?*

*b) 1121123211234?21*

*c) 1121231234?2345?*

*d) 12(3)123(6)1234( )12345(15)*

## Types of Patterns of verbal Series

### ➤ *Vowel / consonant Patterns*

*a) A, E, I, O, ?*

*b) B, C, D, F, G, H, J, K, L, ?*

### ➤ *Opposite letters Pattern*

*a) AZ, BY, CX, DW, ... ..*

*b) MAN, KAP, IAR, ?, ?*

## Types of Patterns of verbal Series

### ➤ *Fixed Letters Series*

*a) FINE, HIOE, JIPE, ... ..*

*b) COAT, GODR, KOGP, ?*

*c) A2Z, B2Y, C2X, D2W, ?*

*d) WIN, TIP, QIR, ?*

*e) SEAT, TEAR, UEAO, VEAk, ?*

*f) SUIT, QUIT, OUIT, ?*



## Types of Patterns of verbal Series

### ➤ *Term Series*

### *Answer Options*

*a) DC7, GF13, JI19, ?*     **A.** *KJ12*     **B.** *MN27*     **C.** *ML25*     **D.** *JK21*

*b) B6D, E12G, H18J, ?*

*c) AB2, BC6, CD12, ?*

*d) DF5, HJ9, LN13, ?*

*e) CAD, ECH, GEL, ?*     **A.** *IKR*     **B.** *HLT*     **C.** *IKU*     **D.** *JGO*

## Types of Patterns of verbal Series

➤ *Jumbled Letters of meaningful words*

*a) D, F, R, O, I, O, N, D, ?,*

*b) F, B, A, O, C, O, E, ?*

*c) W, L, A, I, T, L, E, Y, ?*

*d) H, W, I, A, G, Y, ?*

*e) P, S, A, P, P, R, E, A, R, ?*

*f) N, I, E, D, P, O, A, L, ?*

## Types of Patterns of verbal Series

➤ *Some unique special forms.*

*a) O, T, T, F, F, S, S, ?, ?*

*f) M, V, E, M, J, ?, ,*

*b) F, ?, T, F, F, S, S*

*g) T, I, M, R, ?*

*c) J, F, M, A, M, ?, ?*

*d) B, J, A, S, B, ?*

*e) S, M, T, W, T, F, ?*

## Types of Patterns of verbal Series

➤ *Re-arrangements/hiding of letters*

*a) APPLE, EAPPL, LEAPP, ?*

*b) ELEPHANT, LEPHANT, EPHANT, PHANT, ?*

## Types of Patterns of verbal Series

### ➤ *Addition of letters*

*a) a, ab, abc, abcd, ?*

*b) Ac, AcA, AcAc, ?*

*c) G, FGH, EFGHI, DEFGHIJ, .....*

## Exercise

1. SCD, TEF, UGH, ..... , WKL

CMN

UJI

VIJ

IJT

2.  $P_1QR$ ,  $PQ_2R$ ,  $PQR_3$ , .....,  $PQ_5R$

$P_4QR$ .

$PQ_4R$

$P_4QR$

$PQR_4$

3. pQR, PqR, PQr, aBC, AbC, ?

aBc

Abc

ABc

ABC

4. AON, DON, GON, .....

HON

ION

JON

JoN

5. AND, DNG, GNJ, .....

INK

INL

JNL

JNM

6. AYBZC, DWEXF, GUHVI, JSKTL, ?

MQNRO

MPNQO

MQMRO

MRNQO

7. PAST, QZTG, RAUT, SZVG, ?

TAWR

TAWT

TZWT

TZWG

8. A, P, E, Q, I, R, M, ?

N

S

M

T

9. A, P, X, B, R, Y, C, ?, Z

S

T

U

V

10. M, B, A, O, G, O, I, K, ?

C

G

N

R

Thank you