

**FREE COURSE
FOR BBA BBM BMS BCA**

DAY 04



**REASONING
SERIES**

**INVINCIBLE 2.0
MAH CET BBA BCA
& CUET UG GT 2025**





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FOR MAH CET FOR BBA BBM BMS BCA & CUET UG PAPER 3 GENERAL TEST



Series

Sequence of numbers or words are given and we need to find the logical order between them



TYPES OF QUESTIONS:

1. Find the missing number or word
2. Find the odd number or word.



Number Series

Series formed by numbers.

Ex. $3, 7, 11, 15, 19, x$

4 4 23

4 4

Diagram description: An example of an arithmetic series. The numbers 3, 7, 11, 15, 19, and x are listed. Below 3 and 7 is a horizontal line with the number 4 underneath. Below 11 and 15 is another horizontal line with the number 4 underneath. Above 3, 7, and 11 are the numbers 4, 4, and 23 respectively. An arrow points from the first 4 to the space between 3 and 7. Another arrow points from the second 4 to the space between 7 and 11. The number 23 is circled and underlined.

1, 8, 27, 64, 125, x 216

↓ ↓ ↓ ↓ ↓ ↓

$1^3, 2^3, 3^3, 4^3, 5^3, 6^3$

Diagram description: An example of a cubic series. The numbers 1, 8, 27, 64, 125, and x are listed. Below each number is a downward-pointing arrow. Below the arrows are the corresponding cubes: 1^3, 2^3, 3^3, 4^3, 5^3, and 6^3. The number 216 is circled and underlined.

Addition

Subtraction

Multiplication / N X

↳ 2, 3, 4, 5, ..

n^3, n^2, n^4



Alphabet Series

word
individual letters.

Series formed by words.

Ex.
AZ, BY, CX, DW, EV, FU



Continuous letter series

Series formed by letters.

Ex.

a b _ _ b _ b a b _ a b _ b _



Alpha-Numeric Series

Series formed by letters, numbers and symbols.

A1J

C2H

D3F

?



27

S I L I S 10 15 20 25
J O T Y
22 12 V



Remember place values of Alphabets of English

1) Alphabet Position

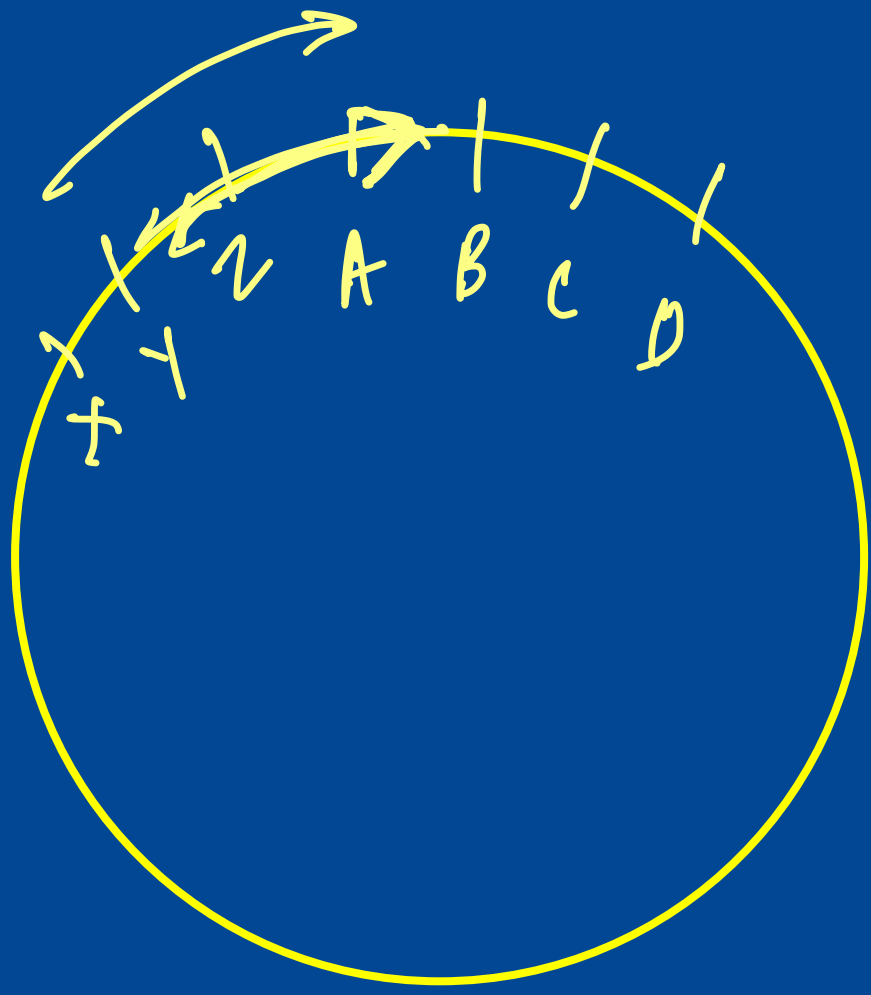
Alphabet	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

2) Backward Alphabet Position

Reverse Alphabet	Z	Y	X	V	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26



Circular pattern of Alphabets





2 3 4 5 6 7

6, 9, 12, 15, 18, ?

- (a) 21 (b) 20 (c) 19 (d) 22



Handwritten analysis of a number sequence:

5 10 15 20 25

6, 11, 21, 36, 56, ?

Options: (a) 42 (b) 51 (c) 81 (d) 91

The handwritten notes show a sequence of numbers 5, 10, 15, 20, 25 with arrows indicating a constant difference of 5. Below this, the sequence 6, 11, 21, 36, 56, ? is shown with arrows indicating a constant difference of 5. The number 56 is circled in red, and the option (c) 81 is also circled in red.



6. $6, 12, 24, 48 \rightarrow 96$
 $5, 11, 23, 47, 95 \rightarrow ?$
(a) 190 (b) 191 (c) 161 (d) 169



66 55 44 33 22 11
325, 259, 204, 160, 127, 105

- (a) 94
- (b) 96
- (c) 98
- (d) 100

$$\begin{array}{r} 325 \\ - 259 \\ \hline 66 \end{array}$$

$$\begin{array}{r} 105 \\ - 11 \\ \hline 94 \end{array}$$



Handwritten diagram showing a sequence of numbers: $1, 5, 14, 30, 55, 91, ?$. Above the numbers are squares of integers: $2^2, 3^2, 4^2, 5^2, 6^2, 7^2$. Lines connect the squares to the differences between terms: 2^2 connects to the difference between 1 and 5; 3^2 connects to the difference between 5 and 14; 4^2 connects to the difference between 14 and 30; 5^2 connects to the difference between 30 and 55; 6^2 connects to the difference between 55 and 91; 7^2 connects to the difference between 91 and the next term. The value $7^2 = 49$ is circled in red. Below the sequence, the options are: (a) 130, (b) 140, (c) 150, (d) 160. Option (b) 140 is circled in red.



Find wrong number in series

3^1 3^2 3^3 4^1 4^2 4^3 5^1 5^2 5^3
3, 10, 27, 4, 16, 64, 5, 25, 125

- (a) 3
- (b) 4
- (c) 10
- (d) 27



Find wrong number in series

6 12 24 50 94 192

4, 10, 22, 46, 96, 190, 382

(a) 4

(b) 10

(c) 96

(d) 382





0 j i
H, I, K, N, ?

Handwritten annotations: arrows from 'i' to 'H', 'j' to 'I', and 'l' to 'K'; a sequence 'OPQ' with a red underline and a circled 'R' to its right.

(a) O

(b) Q

(c) R

(d) S



0
5 10 15 20 25

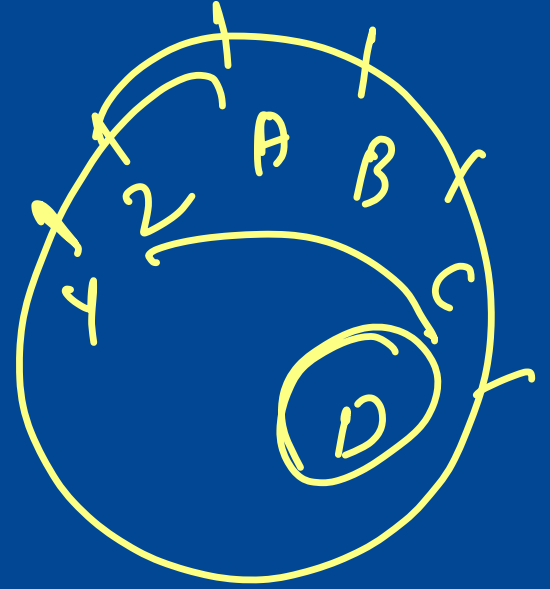
E, J, ?, T, Y, D

(a) B

(b) O

(c) F

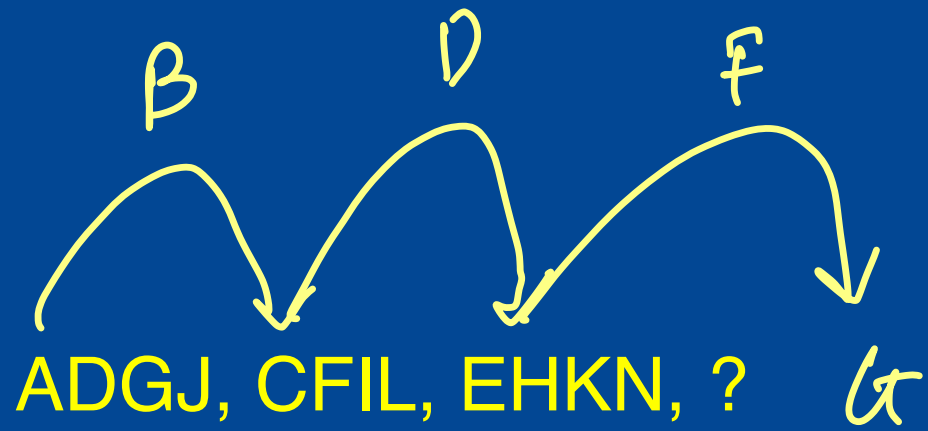
(d) J





PMT, OOS, NQR, MSQ, ? LU

(a) LUP (b) LVP (c) LVR (d) LWP



(a) FILO

(b) HKNQ

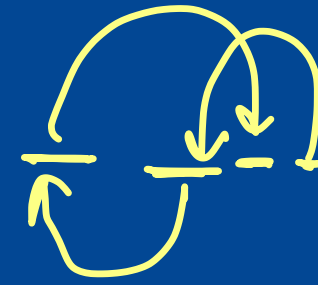
(c) DGJM

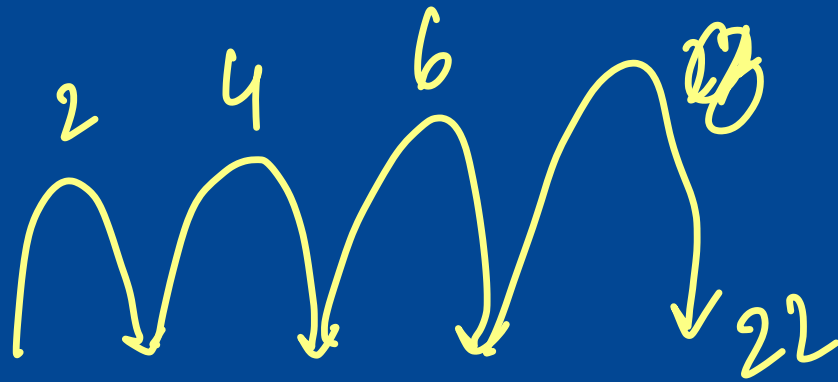
(d) GJMP



CBDA, GFHE, KJLI, ?

- (a) NOPM (b) MNOP (c) PMNO (a) ONPM





2B, 4C, 8E, 14H, ?

(a) 16K

(b) 20I

(c) 20L

(d) 22L





3 3 3 3

KM5, IP8, GS11, EV14, ?

(a) ~~BX17~~ (b) ~~BY17~~ (c) CY17 (d) CY18



6 7 8
X

How many 7's are there in the given series which are immediately preceded by 6 but not immediately followed by 8?

3 4 ~~8~~ (7) 6 1 5 ~~6~~ ~~7~~ ~~8~~ 4 9 (6) (7) 5

(a) 1 (b) 2 (c) 3 (d) 4



EEO

How many even numbers are there in the following sequence of numbers each of which is immediately followed by an odd number as well as immediately preceded by an even number?

4

8 6 7 6 8 9 3 2 7 5 3 4 2 2 3 5 5 2 8 1 1 9

- (a) One (b) Three (c) Five (d) None of these



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