

FREE COURSE FOR BBA BBM BMS BCA

DAY 11

REASONING
ANALOGY
CLASSIFICATION



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



Analogy

'Analogy' means 'similarity', i.e. having similar features. Analogy test is an inference of similarity between two relations.



Types of Questions

- Words Analogy
- Letters Analogy
- Numbers Analogy
- Mixed Analogy



Words Analogy

Cattle : Herd :: Sheep : ?

- ~~(a) Flock~~
- (b) Swarm
- (c) Shoal
- (d) Mob



Words Analogy

Cat is related to mouse in the same way as Bird is related to

- (a) Worm
- (b) Snake
- (c) Animal
- (d) Crow



Letters Analogy

CD : GH :: LM : ?

(a) DC ✗

(b) EG ✗

~~(c) AB~~

(d) IK ✗

J



Number Analogy

$$3:11 :: 7: \underline{49+2=51}$$

Handwritten annotations: A blue arrow points from the '3' to the '7'. A blue arrow points from the '11' to the '49'. A blue arrow points from the '11' to the '+2'. A blue arrow points from the '49+2=51' back to the blank space before the colon.

- (a) 22
 - (b) 29
 - (c) 18
 - ~~(d) 51~~
- } (A large blue bracket is drawn to the right of the list, grouping all four options.)



Mixed Analogy

EJOTY
5 10 15 20 25

NEWS: 14, 5, 23, 19 :: PAPER : ?

↓ ↓ ↓ ↓ ↓
16 1 16 5 18

(a) 16, 5, 16, 1, 18

~~(b) 16, 1, 16, 5, 18~~

(c) 18, 5, 16, 1, 16

(d) 32, 2, 32, 10, 36



Classification / Odd Man Out-

Grouping of words / numbers / alphabets based on a general common property.

- (a)
- (b) ✘
- (c)
- (d)



Types of Questions

1. Word Classification ◦
2. Alphabet Classification ◦
3. Number Classification ◦ .

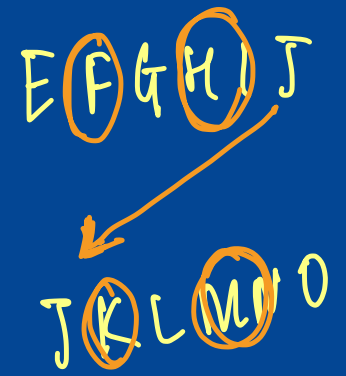


Analogy
Letters

QRST

EGJ:JLO::QQT:TVY

- (a) ORT
- (b) NPS
- ~~(c) OQT~~
- (d) NPR





Number
Analogy

$12 : 145 :: 8 : \underline{\hspace{2cm}}$

$144 + 1$

$64 + 1 = 65$

- (a) 60
- (b) 85
- ~~(c) 65~~
- (d) 73



Handwritten analysis of the ratio $16 : 26$. A bracket above the numbers indicates a difference of 10. The number 16 is shown as 4^2 and 26 as $5^2 + 1$. The numbers 5 and 6 are circled, with a 2×1 next to the 6, indicating a difference of 1 between the terms of the arithmetic progression.

~~(a) $25 : 37$~~

(b) $4 : 11$

(c) $36 : 56$

(d) $15 : 27$



3×2 3×3
6 9

$\{9, 15, 24\}$

(a) $\{21, 33, 55\}$

(b) $\{12, 20, 30\}$

~~(c) $\{6, 10, 16\}$~~

(d) $\{15, 25, 35\}$

$$\boxed{9 + 15 = 24}$$

54 \times
32 \times
16 \checkmark
40 \times



$$65 : 126 \begin{matrix} \nearrow 4^{3+1} \\ \nearrow 5^{3+1} \end{matrix}$$

(a) $37 : 50$

(b) $2 : 10$

~~(c) $9 : 28$~~ $\begin{matrix} \nearrow 2^{3+1} \\ \nearrow 3^{3+1} \end{matrix}$

(d) $26 : 65$



$1:8$ $\rightarrow 1^3$
 $\rightarrow 2^3$

1:8

(a) 9:36 ✗

(b) 6:30 ✗

~~(c) 8:27~~ $\rightarrow 3^3$ $\rightarrow 2^3$

(d) 16:49



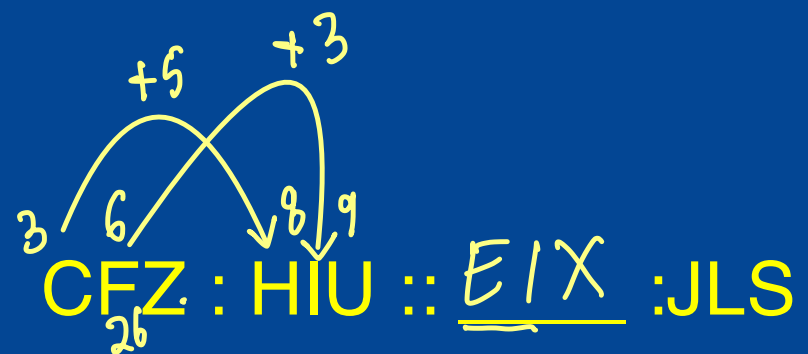
H I J K L M N
↓
2 2
H J L N : I L O R :: D F H J : E H K N
E G I

(a) EHJL

~~(b) EHKN~~

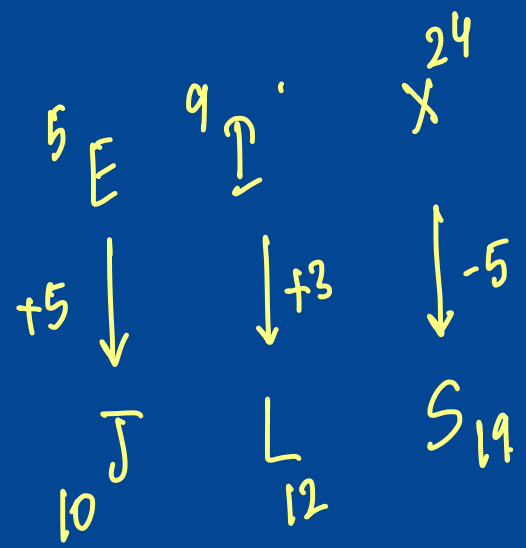
~~(c) CGJM~~

(d) EHLO



+5, +3, -5

- ~~(a) EIX~~
- (b) EHW
- (c) FHX
- (d) EIY





'Ocean' is related to 'Water' in the same way as 'Desert' is related to:

- ~~(a) Sand~~
- (b) Wind
- (c) Wave
- (d) Mountain



'Chef' is related to 'Food' in the same way as
'Choreographer' is related to:

(a) Stage

~~(b) Dance~~

(c) Music

(d) Photography




Body : Vitamin :: Crop : _____


(a) Air

~~(b) Fertilizer~~

(c) Farmer

(d) Water




Needle : Stitch

(a) Pen : Pencil ✗

(b) Gun : Bullet ✗

~~(c) Chisel : Carve~~

(d) Axe : Handle ✗



FHK : KMP :: PRU : UWZ

Handwritten annotations: "G 15" with an arrow pointing to 'F', "L 210" with an arrow pointing to 'K', "PQRST" above the blank space, and a double underline under "PRU".

(a) PSU

~~(b) PRU~~

~~(c) PRV~~

(d) ORU



PRODUCT : TCUDORP :: FRACTION

: _____

(a) CTOINAFR

~~(b) NOITCARF~~

(c) CTIONAFR

(d) NOTICARF



'HARD-WORK' is related to 'SUCCESS' in the same way as 'CRIME' is related to ' '.

- ~~(a) Punishment~~
- (b) Society
- (c) Police
- (d) Reward



Classification

Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- out. $\begin{matrix} +3 \\ 3 \rightarrow 6 \rightarrow 9 \\ \downarrow \\ 12 \end{matrix}$
- (a) CFIL₁₂
 - (b) GHIJ (+1)
 - (c) MOQS (+2)
 - ~~(d) PSUX~~
 $\begin{matrix} \curvearrowright \curvearrowright \curvearrowright \\ +2 \quad +1 \quad +2 \end{matrix}$

J K L
9 10 11 12



Pick the number that is different from the rest.

(a) $12\overline{6}$

(b) $18\overline{9}$

~~(c) $25\overline{4}$~~

(d) $21\overline{7}$

$$\frac{126}{7} = 18$$

$$\frac{189}{7} = 27$$

$$217 = 31$$

$$\frac{254}{7} = 36.\overline{285714}$$



Pick the odd word out.

- ✓ (a) Groundnut ◦
- (b) Mustard ◦ /
- (c) Cumin ◦
- (d) Fennel ◦ /



Pick the odd one out.

(a) $4 : 16$

(b) $10 : 100$

(c) $7 : 49$

~~(d) $64 : 6$~~



Pick the odd one out.

- (a) Guava .
- (b) Pomegranate .
- ~~(c) Cucumber .~~
- (d) Papaya .



Pick the odd one out.

(a) 39 . Comp

(b) 57 : Comp

~~(c)~~ 43 . Prime

(d) 63 . Comp



Find the odd one out.

- ~~(a)~~ Big
- (b) Expensive 0
- (c) Costly 0
- (d) Valuable 0



Find the odd one out.

(a) $56 : 49$ ^{7×8} _{7×7}

~~(b) $64 : 54$~~

(c) $104 : 91$ _{13×8} _{13×7}

(d) $32 : 28$

_{4×8} _{4×7}



- ~~(a) 13 : 170~~ $13^2 + 1$
- (b) 11 : 120 $11^2 - 1$
- (c) 5 : 24 $5^2 - 1$
- (d) 7 : 48 $7^2 - 1$



(a) $13 : 171$

(b) $7 : 51$ $7^2 + 2$

(c) $8 : 66$ $8^2 + 2$

~~(d) $10 : 98$~~ $10^2 - 2$



- (a) Ears -
- (b) Eyes -
- (c) Noes -
- ~~(d) Throat -~~



- (a) 196:14
- ~~(b) 123:11~~ ✗
- (c) 225:15
- (d) 144:12

121:11



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Worksheet

clubs

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