

Series

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প্রাথমিক ধারণা



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Alphabet Series

a) Pure Alphabet series ✓

b) Alpha-numeric series ✓

c) Continuous Pattern series ✓



Pure Alphabet Series



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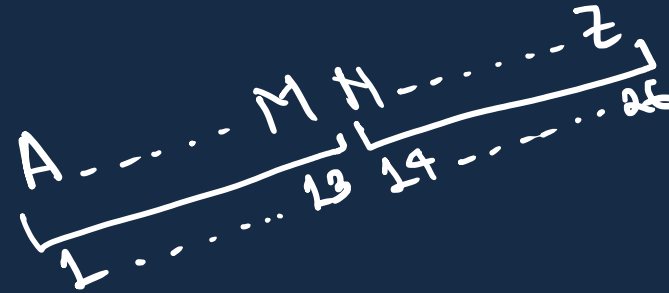


The Dhronas



The Dhronas

Basics of Alphabet



- 26 letters
- 5 vowel (A, E, I, O, U) and 21 consonant
- 13 letters in first half i.e A to M
- 13 letters in second half i.e N to Z

Corresponding position of letters:

• Forwarding order corresponding position:

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

• Reverse order corresponding position:

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



E J O T X
5 10 15 20 25

12th → L
19th → S

Reverse position letters of X → P
Reverse position letters of P → 11th
 $(27-11) = 16$ th → T
Reverse position letters of T → 10th
 $(27-10) = 17$ th → G
Reverse position letters of G → 3rd
 $(27-3) = 24$ th → Y
Reverse position letters of Y → 18th
 $(27-18) = 9$ th → I
Reverse position letters of I → 22nd
 $(27-22) = 5$ th → E
Reverse position letters of E → 22nd
 $(27-22) = 5$ th → E

Addition series

• Ex: A, E, I, M, Q, ?

① ⑤ ⑨ ⑬ ⑰ ⑳

• Here pattern is next letter = previous letter + 4.

• So the next letter would be (Q + 4) = U. ✓

• Ex2: B, C, E, H, L, ?

2 3 5 8 12 17

• Here pattern is next letter = previous letter + (1, 2, 3, 4).

• So the next letter would be (L + 5) = Q.

Substation series



- Here pattern is next letter= previous letter-3.

- So the next letter would be (D-3) =A.



- Here pattern is next letter= previous letter-(1, 2, 3, 4).

- So the next letter would be (F-5) =A.

Addition subtraction series

- Ex: A, E, C, G, E, I,? 
- Here the pattern next letter = previous letter (+4, -2, +4, -2, +4).
- So the next letter would be $(I-2) = G$

Series having more than one part

- Ex: C, V, D, W, E, X, F, Y, G, Z, ?
- Series has two parts.
- 1st part is C, D, E, F, G.
- Here pattern is next letter = previous letter+1
- 2nd part is V, W, X, Y, Z.
- Here pattern is next letter = previous letter+1.
- So the next letter would be $G+1=H$.



Reverse order repetition series

- Ex: R, A, M, E, S, H, H, S, E, M, A, ?
- This series is in reverse order
- R A M E S H → H S E M A R
- So the next letter would be R

Series having group of letters as its elements

• Ex: LMD, MKG, NIJ, ?

- In first letter in every series pattern is next letter = previous letter + 1. So the next letter would be O.
- In second letter in every series pattern is next letter = previous letter - 2. So the next letter would be G.
- In third letter in every series pattern is next letter = previous letter + 3. So the next letter would be M.
- So, the next series would be OGM. ✓

Small Cap series

- Ex: bC, cD, dE, eF, ? fG, gH
- Small letters: next letter= previous letter+1.
- Capital letters: next letter= previous letter+1.
- So the next letter would be fG.



Alpha-Numeric Series



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Separate series of letters and numbers

• Ex: P1F, R2E, T6D, V24C, ? X 120 B

• First letter of the series: next letter = previous letter + 2.

– So, the next letter would be $V + 2 = X$.

• Second letter of the series: next letter = previous letter $\times$ (2, 3, 4).

– So, the next letter would be $24 \times 5 = 120$.

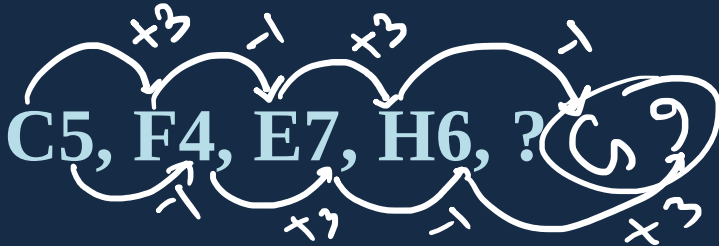
• Third letter of the series: next letter = previous letter - 1.

– So, the next letter would be $C - 1 = B$.

• so, the answer would be X120B.

Handwritten calculations:
 $1 \times 2 = 2$
 $2 \times 3 = 6$
 $6 \times 4 = 24$
 $24 \times 5 = 120$

Combination series of letters and numbers

- Ex: C5, F4, E7, H6, ? 
- $C+3=F$, $F-1=E$, $E+3=H$, $H-1=G$
- $5-1=4$, $4+3=7$, $7-1=6$, $6+3=9$
- So, the answer would be = G9 ✓



Continuous Series

Continuous Pattern

• Ex: b aa b ba ab ba ab ba ab.

• The pattern is baab / baab / baab / baab.

• So, required answer = bbaab

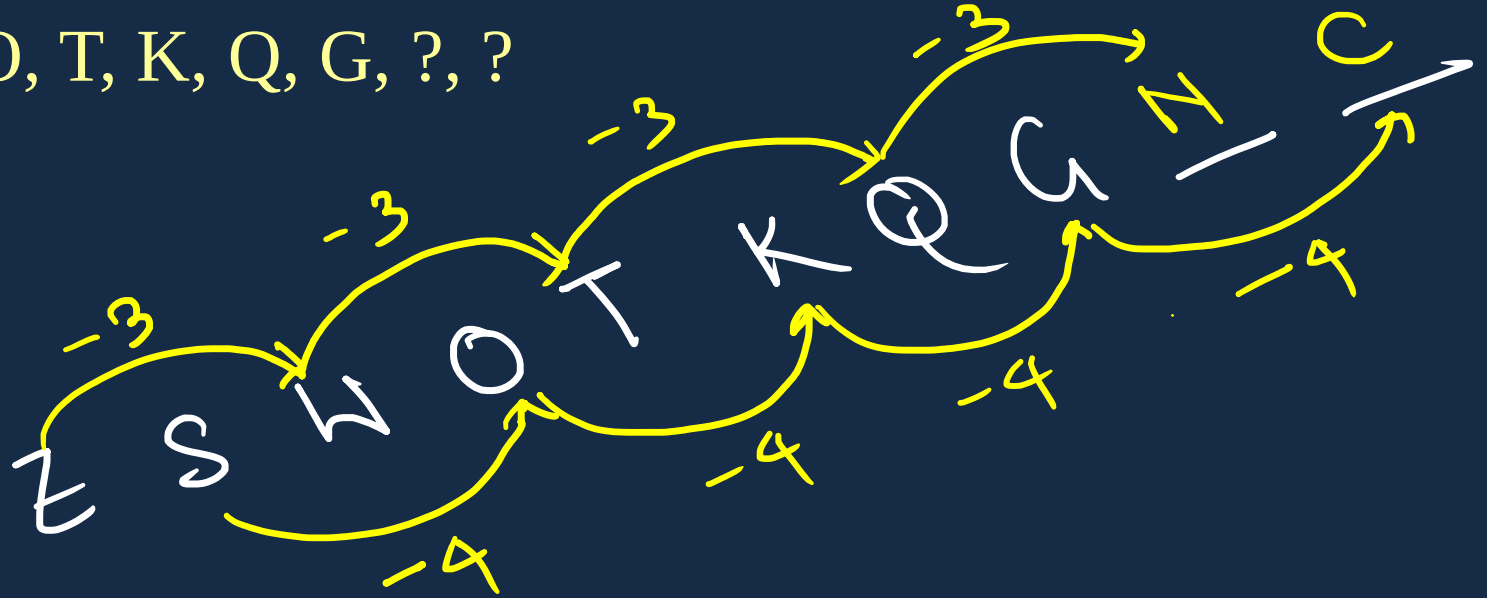
Pattern → baab
Crp → bbaab



অনুশীলনের প্রশ্ন

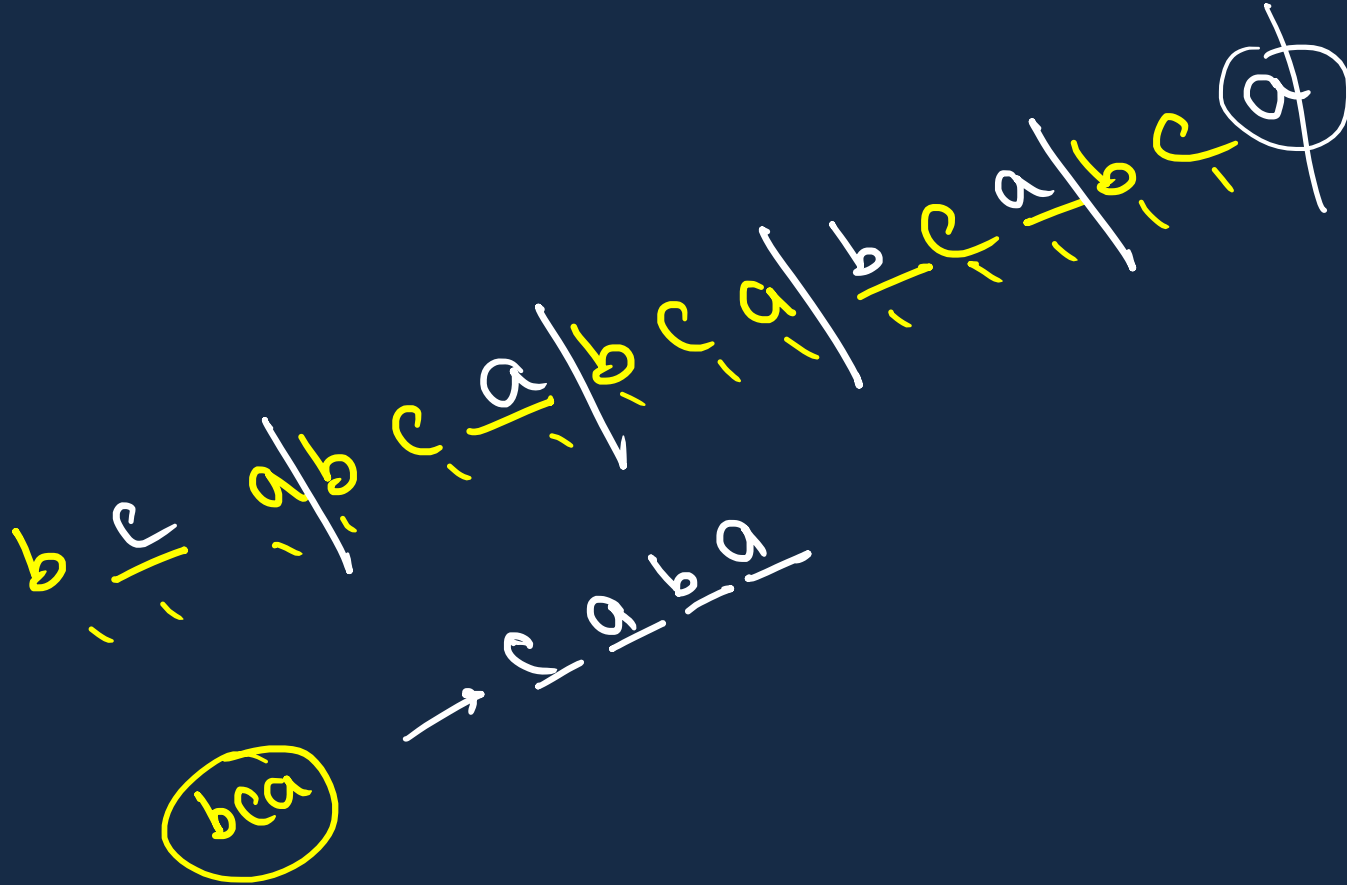
16. Z, S, W, O, T, K, Q, G, ?, ?

- (a) N, C
- (b) N, D ✓
- (c) O, C
- (d) O, D



17. b_abc_bca_c_bc in missing place term will be

- (a) caba
- (b) cabb
- (c) caaa
- (d) acad



18. l_n_mn_lm_n_lm

- (a) m l m l m
- (b) m l n m l
- (c) m m l n l
- (d) l m l n l

19. GH, JKL, NOPQ, ?

- (a) STUVX
- (b) STUVW
- (c) STVUX
- (d) SUVTX

GH $\xrightarrow{+2}$ JKL $\xrightarrow{+2}$ NOPQ $\xrightarrow{+2}$ STUVW



20. ACE, BDF, GIK, –

• (a) HJL ✓

• (b) MJH ✗

• (c) JHM ✗

• (d) HJI ✗

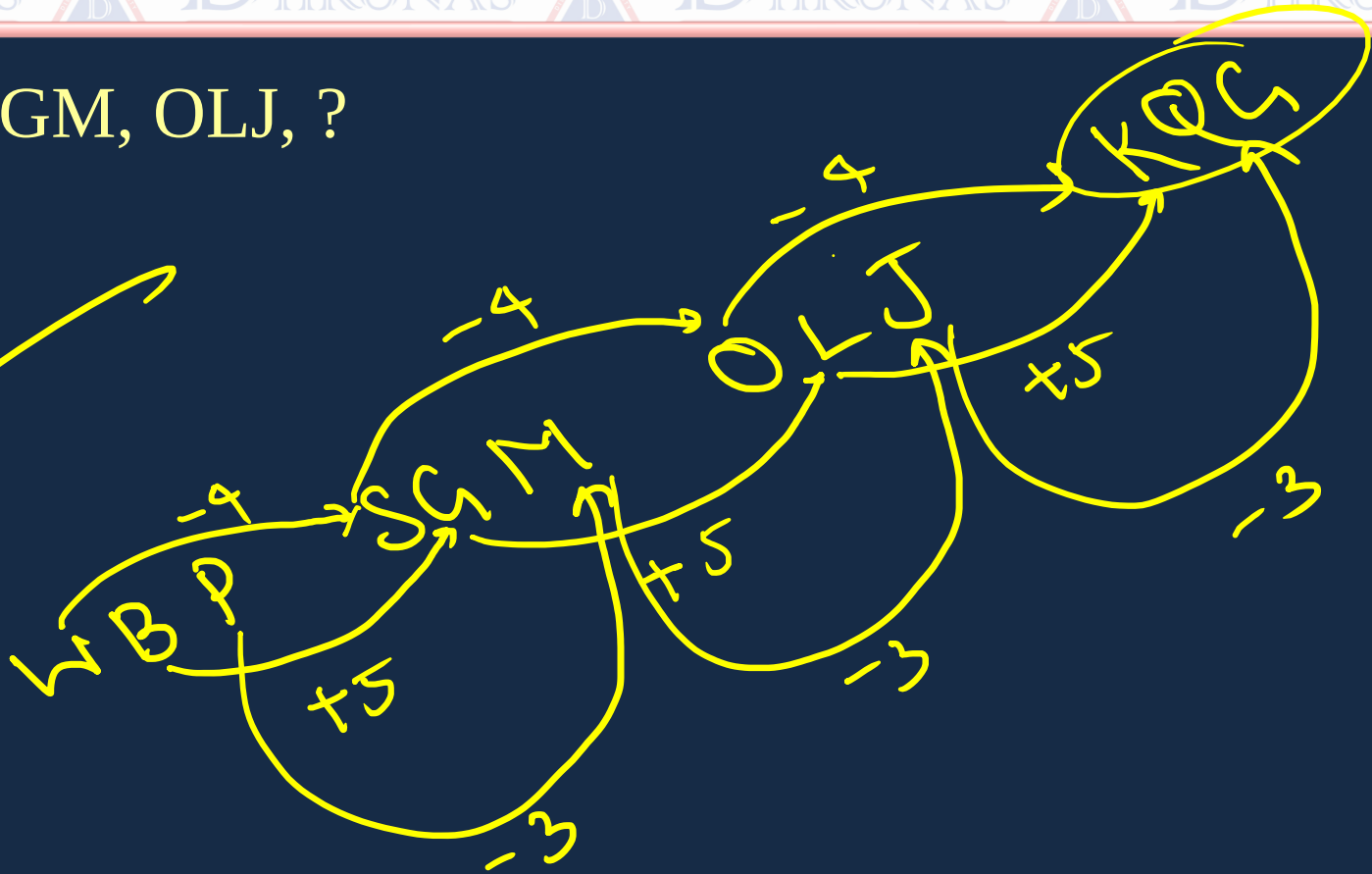
A C F
+2 +2 +2

B D F
+2 +2 +2

G I K
+2 +2 +2

21. WBP, SGM, OLJ, ?

- ~~(a) LPG~~
- (b) MQG
- ~~(c) NPH~~
- ~~(d) KQG~~



22. XB, VD, TF, ?, PJ.

• ~~(a) PQ~~

• ~~(b) RH~~

• ~~(c) RQ~~

• ~~(d) RI~~

LD

TF

RI

PJ

27-18-20

XB

23. a-bbc-aab-aa-abba-

- (a) cabaa
- (b) bacba
- (c) bbaaa
- (d) aabba

a-bbc-aab-aa-abba-

acb
bca

aab
baa

aab
baa

24. cc-dcn-cddc-n-ddcnn-d

- (a) cdndc
- (b) dnnec
- (c) dcndd
- (d) nccdn

Handwritten analysis of the sequence cc-dcn-cddc-n-ddcnn-d. The sequence is written with yellow brackets and arrows indicating the following steps:

- Initial sequence: cc-dcn-cddc-n-ddcnn-d
- Step 1: The first 'c' is moved to the end, resulting in c-dcn-cddc-n-ddcnn-d.
- Step 2: The 'c' at the end of the previous step is moved to the beginning, resulting in cd-dcn-cddc-n-ddcnn-d.
- Step 3: The 'd' at the end of the previous step is moved to the beginning, resulting in cdnd-cdcn-cddc-n-ddcnn-d.
- Step 4: The 'c' at the end of the previous step is moved to the beginning, resulting in cdndc-dcn-cddc-n-ddcnn-d.
- Step 5: The 'd' at the end of the previous step is moved to the beginning, resulting in cdndcd-cn-cddc-n-ddcnn-d.
- Step 6: The 'c' at the end of the previous step is moved to the beginning, resulting in cdndcdc-n-cddc-n-ddcnn-d.
- Step 7: The 'n' at the end of the previous step is moved to the beginning, resulting in cdndcdcn-cddc-n-ddcnn-d.
- Step 8: The 'c' at the end of the previous step is moved to the beginning, resulting in cdndcdcn-dc-n-ddcnn-d.
- Step 9: The 'd' at the end of the previous step is moved to the beginning, resulting in cdndcdcd-n-ddcnn-d.
- Step 10: The 'n' at the end of the previous step is moved to the beginning, resulting in cdndcdcn-ddcnn-d.
- Step 11: The 'd' at the end of the previous step is moved to the beginning, resulting in cdndcdcdn-d.
- Step 12: The 'd' at the end of the previous step is moved to the beginning, resulting in cdndcdcdnd.

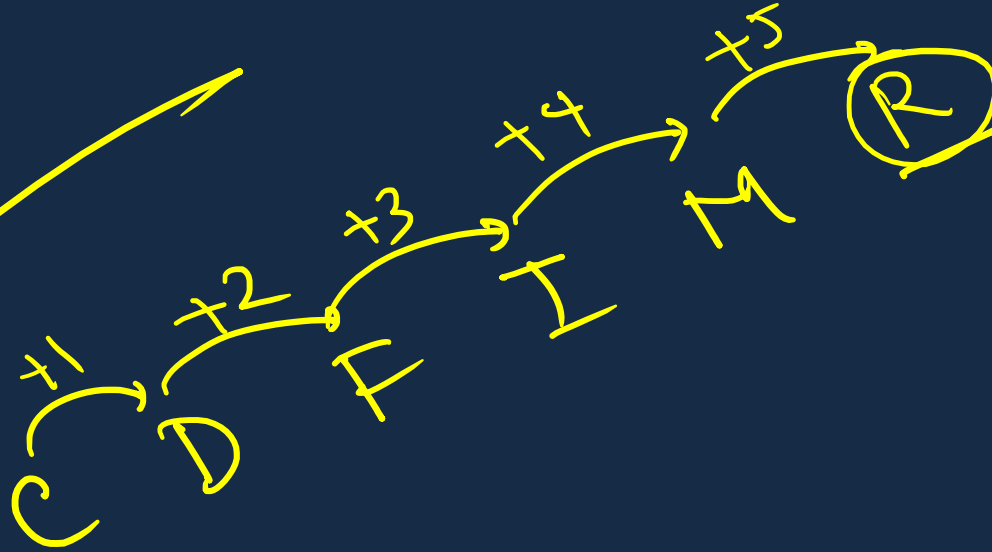
• 25. C, D, F, I, M, ?

• (a) S

• (b) T

• (c) K

• (d) R



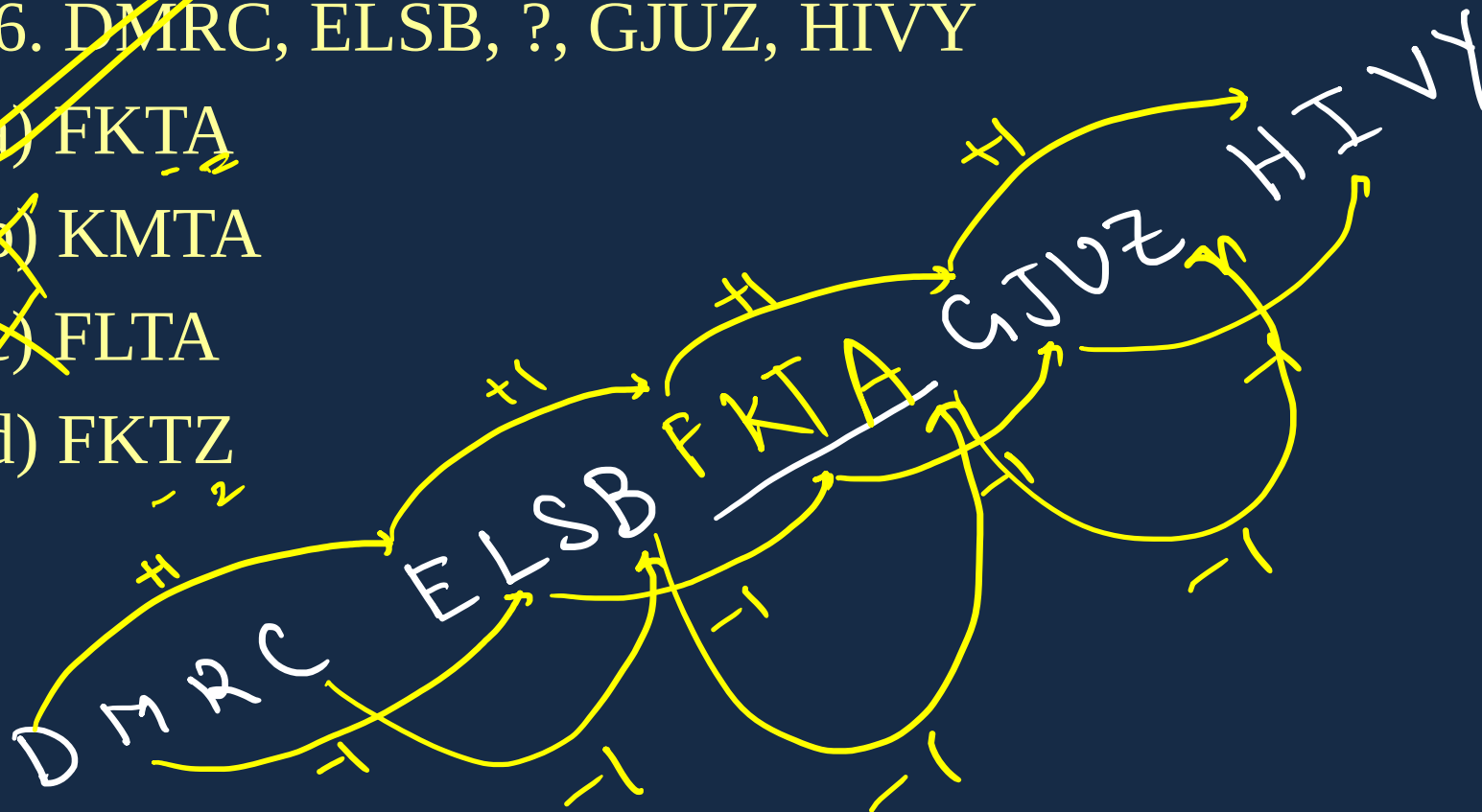
• 26. DMRC, ELSB, ?, GJUZ, HIVY

• ~~(a) FKTA~~

• ~~(b) KMTA~~

• ~~(c) FLTA~~

• (d) FKTZ



- 27. IJK, ABC, LMN, DEF, ?
- (a) OP
- (b) GH
- (c) PQ
- (d) RS

IJK
+1

ABC
+1

LMN
+1

DEF
+1

Wrong Options

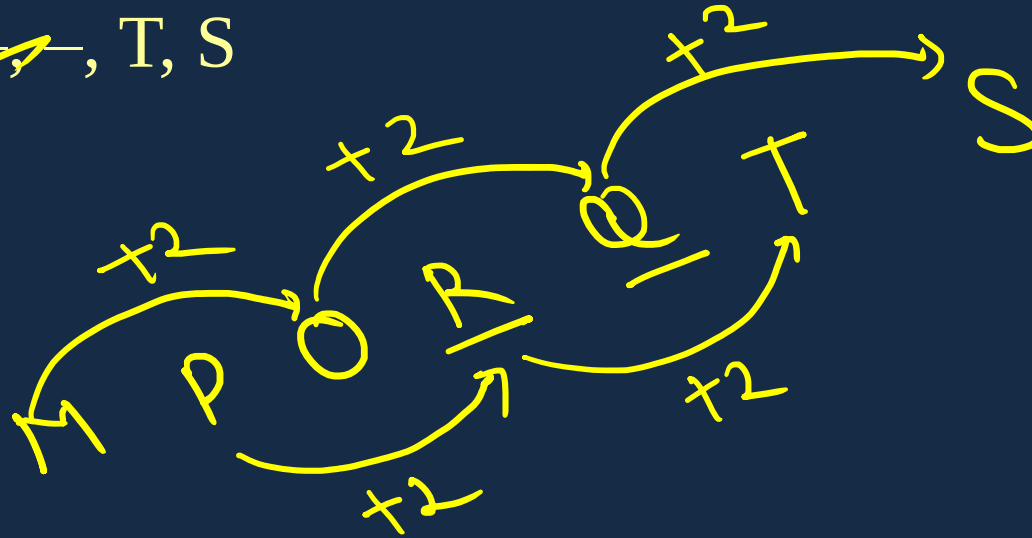
• 28. M, P, O, —, —, T, S

• (a) S, T

• (b) R, Q

• (c) S, K

• (d) R, P





- 29. BHARTI, HIRBAT, ITBHRA, ?
- (a) TAHIBR
- ~~(b) TAHIBS~~
- (c) THAIBR
- (d) THABIR

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1 2 3 4 5 6
B H A R T I
2 6 4 1 3 5
H I R B A T
1 2 3 4 5 6
I T B H R A
2 6 4 1 3 5
T A H I B R



- 30. LI, LXXI, XCI, CXI, CXXXI, ?
- (a) CLX
- (b) CLXI
- (c) CLI
- (d) ICL

Roman →

$\begin{aligned}
 & \text{L} = 50 \\
 & \text{I} = 1 \\
 & \text{X} = 10 \\
 & \text{L} = 50 \\
 & \text{C} = 100
 \end{aligned}$

$\begin{aligned}
 & \text{LXXI} = 71 \\
 & \text{XCI} = 91 \\
 & \text{CXI} = 111 \\
 & \text{CXXXI} = 131
 \end{aligned}$

$\begin{aligned}
 & \text{XCI} = 91 \\
 & \text{CXI} = 111 \\
 & \text{CXXXI} = 131
 \end{aligned}$

$\begin{aligned}
 & \text{CLI} = 151
 \end{aligned}$

- 31. D_RCD_RCDM_CD_
- (a) MMRD
- (b) MMRC
- (c) MRMM
- (d) MMRM



- 32. B_OK_OW_OOK_OW_O
- (a) ONBNB
- (b) ONBMB
- (c) ONBBN
- (d) NOBBN

- 33. _AY_Z_YB_AY_Z
- (a) BZAZB
- (b) ZBAZB
- (c) ZBAZA
- (d) BZAZB

- 34. ba__ b__ am__ aam__
- (a) ambaba
- (b) amabbb
- (c) ambabb
- (d) amabbb



- 35. ab_ bb_ aa_abb_a_babb
- (a) amama
- (b) ambam
- (c) ambbm
- (d) ambma

Thank You