



# MISSION SSC 2023



**TARGET: CGL • CHSL • MTS • CPO**

**REASONING**

# CODING DECODING



**BY MANDEEP MAHENDRAS**

**(((•))) OLIVE | 05:30 PM**



# UPCOMING ONLINE BATCHES

**MARCH 2023**

**29 MARCH 2023**

**08:00 AM to 10:00 AM**

**SSC ONLINE LIVE CLASS**

**BILINGUAL**



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# MISSION SSC 2023

# REASONING



1✓	2✓	3✓	4✓	5✓	6✓	7✓	8✓	9✓	10✓	11✓	12✓	13✓
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✓
Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Opposite

12 15 22  
LOVE

27  
1 2  
AZAD

2 25  
BOY

3 24  
COREX

4 23  
DOODH WALA

5 22  
EVM

6 21  
FALTU

7 20  
G.T ROAD

8 19  
HIGH SCHOOL

SHIRTI

9 18  
INDIAN RAILWAY

10 17  
JUNGLE QUEEN

KANPUR/KAWAB PARATHA

12 15  
LOVE

13 14  
MAN

Narendra  
Modi



**MISSION SSC 2023**

**REASONING**



• **TYPES OF CODING-DECODING**

- 1- ALPHABET CODING
- 2- NUMBER CODING
- 3- ALPHANUMERIC CODING
- 4- SUBSTITUTIONAL/CHINESE CODING



# MISSION SSC 2023

# REASONING



- In a certain code language, WARDROBE is written as YXVYXHJV. How will ACCURATE be written in the same language?
- एक निश्चित कोड भाषा में, WARDROBE को YXVYXHJV लिखा जाता है। उसी भाषा में ACCURATE कैसे लिखा जाएगा?

[SSC-CGL 2020]



Handwritten solution for the reasoning problem:

W A R D R O B E

+2   -3   +1   -5   +8   -9   +5

23   18   4   18   15   2

Y X V Y X H J V

A C C U R A T E

3   2   7

C N S

- A. CZGPXTBV
- ~~B. CZHPYTBV~~
- ~~C. BZHPXTBV~~
- ~~D. DZGPXTB~~



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# REASONING



- In a certain code language HAMMER is written as ICPQJX. How will WRENCH be written in the same language?
- किसी निश्चित कूट भाषा में HAMMER को ICPQJX लिखा जाता है। उसी भाषा में WRENCH को कैसे लिखा जाएगा ?

[SSC-CGL 2020]



Handwritten solution showing the mapping of letters and their positions:

	H	A	M	M	E	R
10	1	13	13	5	18	
23	20	5	14	3	100	
24	20	8	18	8	14	
	T	H	R	H	N	

- ~~A. XTIRIN~~
- B. XTHRHN**
- ~~C. XTIRIN~~
- D. XTHRIN



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# REASONING



- In a certain code language, DEPEND is written as EPHTJJ. How will TRAVEL be written in that language?
- किसी निश्चित कूट भाषा में DEPEND को EPHTJJ लिखा जाता है। उसी भाषा में TRAVEL को कैसे लिखा जाएगा ?

[SSC-CGL 2020]



4 5 16 5 14 4  
D E P T J J  
E P H T J J

20 18 12 2 5 12  
T R A V E L  
M G Y

A. MGZEXZ

B. NGYFWZ

**C. MGYEWZ**

D. MGWEWY





- In a certain code language, STRAIGHT is written as TSARGITH. How will THURSDAY be written in that language?
- किसी निश्चित कूट भाषा में STRAIGHT को TSARGITH लिखा जाता है। उसी भाषा में THURSDAY को कैसे लिखा जाएगा ?

[SSC-CGL 2020]



STRAIGHT  
TSARGITH

- ~~A. AYSDURTH~~
- B. HTRUDSYA
- ~~C. HTRUDSAY~~
- ~~D. UHTDRSYA~~

THURSDAY  
HTRUDSYA





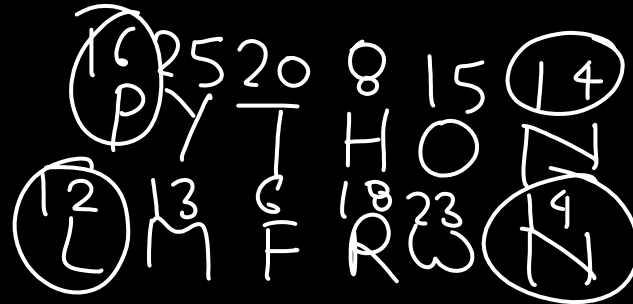
# MISSION SSC 2023

# REASONING



- In a certain code language, PYTHON is written as LMFRWN. How will RHYTHM be written in that language?
- एक निश्चित कूट भाषा में, PYTHON को LMFRWN लिखा जाता है। उस भाषा में RHYTHM कैसे लिखा जाएगा?

[SSC-CGL 2020]



$\rightarrow = 2000$   
 H Y T H Z  
 $2000$

- ~~A. MFRWFX~~
- ~~B. MFRWFT~~
- ~~C. NFRWFS~~
- D. KFRWFP**



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# REASONING



- In a certain code language, JUPITER is written as JVOJSFR. How will NEPTUNE be written in that language?
- किसी निश्चित कूट भाषा में, JUPITER को JVOJSFR लिखा जाता है। उसी भाषा में NEPTUNE को कैसे लिखा जाएगा ?

[SSC-CGL 2020]



$J^{21} U^{15} P^{9} I^{26} T^5 E^5 R$   
 $J^{22} V^{15} O^{16} J^{19} S^6 F^6 R$   
 $N^5 E^{15} P^{26} U^5 N^5 E^5$   
 $N^5 F^{15} O^{21} U^5 E^5$

- A. NFOUTOE
- ~~B. NGOUTOE~~
- ~~C. NDPSVME~~
- ~~D. NFOSTOE~~





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# REASONING



- In a certain code language FASTER is written as CDPWBU. How will VIOLIN be written in that language?
- किसी निश्चित कूट भाषा में FASTER को CDPWBU लिखा जाता है। उसी भाषा में VIOLIN को कैसे लिखा जाएगा ?

[SSC-CGL 2020]



6 1 19 20 5 18  
F A S T E R  
-3 +3 -3 +3 -3 +3  
C D P W B U

22  
V  
19  
S

10 L I N  
14  
17  
Q

- ~~A. RLTIK~~
- ~~B. SKIRKO~~
- ~~C. SLIRLM~~
- D. SLLOFQ**





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# REASONING



- In a certain code language, FRUCTUS is coded as 108, and SPRINTER is coded as 119. How will MASCULINE be coded in that language?
- In a certain code language, FRUCTUS is coded as 108, and SPRINTER is coded as 119. How will MASCULINE be coded in that language?

[SSC-CGL 2020]



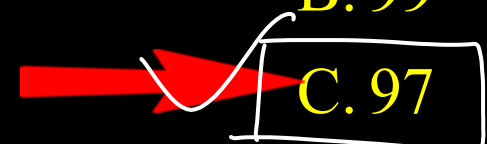
$$\begin{array}{cccccccc}
 & 6 & 18 & 21 & 3 & 20 & 21 & 19 \\
 F & R & U & C & T & U & S & = 108 \\
 19 & 16 & 18 & 9 & 14 & 20 & 5 & 18 \\
 S & P & R & I & N & T & E & R = 119 \\
 13 & 19 & 3 & 21 & 12 & 9 & 14 & 5 \\
 M & A & S & C & U & L & I & N & E = 97
 \end{array}$$

A. 96

B. 99

C. 97

D. 98





- In a certain code language, 'PSYCHIC' is written as 'YSPCCIH' and 'CITIZEN' is written as 'TICINEZ'. How will 'MAHATMA' be written in that language?
- In a certain code language, 'PSYCHIC' is written as 'YSPCCIH' and 'CITIZEN' is written as 'TICINEZ'. How will 'MAHATMA' be written in that language?

[SSC-CGL 2020]



MAHATMA  
H A M A A M T

PSYCHIC  
Y S P C C I H

- ~~A. HAMAAATM~~
- ~~B. AHMAAMT~~
- C. HAMAAAMT**
- ~~D. HAMAMAT~~



# MISSION SSC 2023

# REASONING



- In a certain code language, 'CRUST' is written as '201921183' and 'BLAME' is written as '5131122'. How will 'PLASTIC' be written in that language?
- एक निश्चित कूट भाषा में, 'CRUST' को '201921183' और 'BLAME' को '5131122' के रूप में लिखा जाता है। उस भाषा में 'PLASTIC' को कैसे लिखा जाएगा?

[SSC-CGL 2020]



3 18 21 19 20  
C R U S T

20 19 2 1 18 3

PLASTIC  
3

~~A. 18204165138~~

~~B. 73110209325~~

~~C. 71642578102~~

D. 39201911216





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- In a certain code language, 'HYPOCRISY' is written as 'YPHOCIRYS' and 'IMPORTANT' is written as 'MPIORATTN'. How will 'INTEGRITY' be written in that language?

- एक निश्चित कूट भाषा में, 'HYPOCRISY' को 'YPHOCIRYS' और 'IMPORTANT' को 'MPIORATTN' लिखा जाता है। उस भाषा में 'INTEGRITY' कैसे लिखी जाएगा?

[SSC-CGL 2020]



$\begin{matrix} 1 & 2 & 3 \\ H & Y & P & O & C & R & I & S & Y \\ 2 & 3 & 1 \\ Y & P & H & O & C & I & R & Y & S \end{matrix}$

$\begin{matrix} 1 & 2 & 3 \\ I & N & T & E & G & R & I & T & Y \\ I & N & T & I & E & G & I & R & Y & T \end{matrix}$

- A. NTIEGIRYT
- ~~B. NTIEGRIYT~~
- ~~C. NTIGEIRYT~~
- ~~D. NITEGIRYT~~





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# REASONING



- In a certain code language, 'ADVANCE' is written as 'VDAAECN' and 'BABYSIT' is written as 'BABYTIS'. In that language, how will 'AFFABLE' be written?
- एक निश्चित कूट भाषा में, 'ADVANCE' को 'VDAAECN' लिखा जाता है और 'BABYSIT' को 'BABYTIS' लिखा जाता है। उसी भाषा में, 'AFFABLE' को क्या लिखा जाएगा?

[SSC-CGL 2020]



A. FFAALEB

→ B. FFAAELB

C. FFAAEBL

D. AAFFELB



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# REASONING



- In a certain code language, 'FUEL' is coded as '50' and 'JEER' is coded as '44'. How will 'FARE' be coded in that language?
- एक निश्चित कूट भाषा में, 'FUEL' को '50' के रूप में कूटबद्ध किया जाता है और 'JEER' को '44' के रूप में कूटबद्ध किया जाता है। उसी भाषा में 'FARE' को किस प्रकार कूटबद्ध किया जाएगा?

[SSC-CGL 2020]



A. 38

B. 34

C. 40

D. 36





- If 'Football' is called 'Cricket', 'Cricket' is called 'Basketball', 'Basketball' is called 'Badminton', 'Badminton' is called 'Volleyball', 'Volleyball' is called 'Hockey' and 'Hockey' is called 'golf', then which of the following is not a game played using a ball?
- यदि 'फुटबॉल' को 'क्रिकेट' कहा जाता है, 'क्रिकेट' को 'बास्केटबॉल' कहा जाता है, 'बास्केटबॉल' को 'बैडमिंटन' कहा जाता है, 'बैडमिंटन' को 'वॉलीबॉल' कहा जाता है, 'वॉलीबॉल' को 'हॉकी' कहा जाता है और 'हॉकी' को 'गोल्फ' कहा जाता है, तो निम्नलिखित में से कौन सा खेल एक गेंद का उपयोग करके नहीं खेला जाता है?



- A. Volleyball
- B. Basketball
- C. Hockey
- D. Cricket