

MISSION SELECTION



**IBPS पीओ / क्लर्क SERIES**



**REASONING**

# **Coding-Decoding**

IBPS RRB PO Mains Result 2020-21 Declared

## **Basic + Advance**

**10:30 AM**



*Telegram channel: @ReasoningMahendraslive  
@DeeptiMahendrasReasoning*

## **TOPICS DISCUSSION**

- Letter Coding
- Number Coding
- Substitutional Coding-Decoding
- Conditional Coding- Decoding
- Binary Coding
- Box based Coding



YOU CAN  
DO IT

The text "YOU CAN DO IT" is rendered in a playful, bubbly font. "YOU" and "IT" are orange, while "CAN" and "DO" are light blue. The letters have thick purple outlines and are surrounded by small purple dots and star-like shapes. The background features a large, faint smiley face with a wavy mouth.

# PRACTICE

Q. If AMERICA is coded as ADEIICA, how is LECTURE coded in that code ?

यदि AMERICA को ADEIICA के रूप में कोडित किया गया है, तो LECTURE को उस कोड में कैसे कोडित किया गया है?

- (1) CEBICE
- (2) CECIEB
- (3) CECBCIE
- (4) CECBEI
- (5) None of these



Q. If HEALTH is coded as WTPATH, how is NORMAL coded in that code ?

यदि HEALTH को WTPATH के रूप में कोडित किया गया है, तो NORMAL को उस कोड में कैसे कोडित किया गया है?

- (1) OPSUI
- (2) IUSPO
- (3) MNOJPA
- (4) FRPML
- (5) None of these

Study the following data carefully and answer the questions accordingly.

In a certain code language,

'millenials are driving growth' is written as 'sm fi jq zh',

'growth of several industries' is written as 'ro el pa fi',

'several self driving cars' is written as 'dg pa sm hy' and

'industries experts are hopeful' is written as 'jq ks nt el'.

Q. What is the code for 'driving'?

'driving' के लिए कोड क्या है?

- A. jq
- B. fi
- C. el
- D. sm
- E. zh

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'several self driving cars' is written as 'dg pa sm hy' and

'industries experts are hopeful' is written as 'jq ks nt el'.

Q. 'pa jq' stand for which of the following?

निम्नलिखित में से किसके लिए 'pa jq' खड़ा है?

- A. several experts
- B. are several
- C. industries self
- D. cars are
- E. growth cars

Study the following data carefully and answer the questions accordingly.

In a certain code language,

'millenials are driving growth' is written as 'sm fi jq zh',

'growth of several industries' is written as 'ro el pa fi',

'several self driving cars' is written as 'dg pa sm hy' and

'industries experts are hopeful' is written as 'jq ks nt el'.

Q. What is the code for 'self'?

'self' के लिए कोड क्या है?

A. zh

B. jq

C. Either 'nt' or 'ks'

D. Either 'el' or 'ro'

E. Either 'hy' or 'dg'



Study the following data carefully and answer the questions accordingly.

In a certain code language,

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'growth of several industries' is written as 'ro el pa fi',

'several self driving cars' is written as 'dg pa sm hy' and

'industries experts are hopeful' is written as 'jq ks nt el'.

Q. In this language, if 'experts from industries' is coded as 'el ks vr', then in the same language, how 'from hopeful millenials' will be coded?

इस भाषा में, यदि 'experts from industries' को 'el ks vr' के रूप में कोडित किया जाता है, तो उसी भाषा में, 'from hopeful millenials' को कैसे कोडित किया जाएगा?

- A. sm nt hy
- B. ro vr zh
- C. zh ks nt
- D. vr zh nt
- E. vr ro ks

Study the information given below and answer the questions based on it.

In a certain code language,

'chi na le ba pi' means 'Federer and Nadal are rivals'

'ki ba lo tha' means 'both rivals plays tennis'

'da ki chi' means 'Federer plays excellent'

'tha na da' means 'excellent and tennis'

'mu ki 'means 'children plays'

Q. What is the code for 'Nadal'?

**'Nadal' के लिए कोड क्या है?**

A. le

B. pi

C. ba

D. Either le or pi

E. None of these

Study the information given below and answer the questions based on it.

In a certain code language,

'chi na le ba pi' means 'Federer and Nadal are rivals'

'ki ba lo tha' means 'both rivals plays tennis'

'da ki chi' means 'Federer plays excellent'

'tha na da' means 'excellent and tennis'

'mu ki 'means 'children plays'

Q. What is the code for 'both'?

'both' के लिए क्या कोड है?

A. ba

B. ki

C. lo

D. Can't be determined

E. None of these

Study the information given below and answer the questions based on it.

In a certain code language,

'chi na le ba pi' means 'Federer and Nadal are rivals'

'ki ba lo tha' means 'both rivals plays tennis'

'da ki chi' means 'Federer plays excellent'

'tha na da' means 'excellent and tennis'

'mu ki 'means 'children plays'

Q. Which of the following is the code for 'Nadal and rivals are children'?

निम्नलिखित में से किसके लिए कोड 'Nadal and rivals are children' है?

A. chi na ki le pi

B. pi le na ba mu

C. ba mu le ki pi

D. chi pi le ba mu

E. None of these

Q. In a certain code language, LEADING is written as MDZEH OH, then how is TRAINEE written in same code language?

एक निश्चित कोड भाषा में, LEADING को MDZEH OH के रूप में लिखा जाता है, फिर TRAINEE को उसी कोड भाषा में कैसे लिखा जाता है?

- (1) UZQJMFF
- (2) UQBHODF
- (3) USZHODF
- (4) USZHODD
- (5) None of these



In each question below is given a group of letters followed by four combinations of digits/symbols numbers. You have find out which of the combinations correctly represents the code based on the given coding system.

- If the first letter is consonant and fourth digit is odd, both are to be coded as the code for that consonant.
- If the last letter is vowel and second digit is divisible by 2, both are to be coded as the code for first digit.
- If the first digit is even and the last letter is consonant, their codes are to be interchanged.

- ❖ यदि पहला अक्षर व्यंजन है और चौथा अंक विषम संख्या है, तो दोनों को उस व्यंजन के कोड के रूप में कोडित किया जाना है।
- ❖ यदि अंतिम अक्षर स्वर है और दूसरा अंक 2 से विभाज्य है, तो दोनों को पहले अंक के कोड के रूप में कोडित किया जाना है।
- ❖ यदि पहला अंक सम संख्या है और अंतिम अक्षर व्यंजन है, तो उनके कोड आपस में इंटरचेंज होने चाहिए।

Letter/ digits	M	4	C	Q	5	A	P	7	E	G	8	I	1	X	U
Symbol	!	Ω	&	μ	©	#	@	<	%	\$	*	>	^	®	Ƨ

Q. Q4E75C

- a) μ Ω% <©&
- b) < Ω% <©&
- c) μ Ω% <©μ
- d) μ Ω% μ©&
- e) none of these

In each question below is given a group of letters followed by four combinations of digits/symbols numbers. You have find out which of the combinations correctly represents the code based on the given coding system.

- If the first letter is consonant and fourth digit is odd, both are to be coded as the code for that consonant.
- If the last letter is vowel and second digit is divisible by 2, both are to be coded as the code for first digit.
- If the first digit is even and the last letter is consonant, their codes are to be interchanged.

- ❖ यदि पहला अक्षर व्यंजन है और चौथा अंक विषम संख्या है, तो दोनों को उस व्यंजन के कोड के रूप में कोडित किया जाना है।
- ❖ यदि अंतिम अक्षर स्वर है और दूसरा अंक 2 से विभाज्य है, तो दोनों को पहले अंक के कोड के रूप में कोडित किया जाना है।
- ❖ यदि पहला अंक सम संख्या है और अंतिम अक्षर व्यंजन है, तो उनके कोड आपस में इंटरचेंज होने चाहिए।

Letter/ digits	M	4	C	Q	5	A	P	7	E	G	8	I	1	X	U
Symbol	!	Ω	&	μ	©	#	@	<	%	\$	*	>	^	®	∪

Q. G1E8PA

- a) #^%\*@\$
- b) \$^%\$@#
- c) #^%\*@#
- d) \$^%\*@#
- e) None of these

Step I: If an odd number is followed by an odd number then the resultant will be the addition of both the numbers.

Step II: If an odd number is followed by an even number then the resultant will be the subtraction of the smaller number from the larger number.

Step III: If an even number which is divisible by 4 is followed by an odd number then the resultant will be the multiplication of two numbers.

Step IV: If an even number is followed by an even number then the resultant will be the addition of both the numbers.

Step V: If an even number is followed by an odd number then the resultant will be the subtraction of the smaller number from the larger number.

12	3	5	6
6	12	5	4

Q. Find the sum of the resultant of the first and second row?

- A. 1085
- B. 997
- C. 195
- D. 183
- E. 125

चरण I: यदि एक विषम संख्या एक विषम संख्या का अनुसरण करती है तो परिणामी दोनों संख्याओं का जोड़ होगा।

चरण II: यदि एक विषम संख्या एक सम संख्या के बाद है तो परिणामी संख्या बड़ी संख्या से छोटी संख्या का घटाव होगी।

चरण III: यदि एक सम संख्या जो 4 से विभाज्य है, उसके बाद विषम संख्या है तो परिणामी दो संख्याओं का गुणन होगा।

चरण IV: यदि एक सम संख्या में सम संख्या का अनुसरण किया जाता है तो परिणामी दोनों संख्याओं का जोड़ होगा।

चरण V: यदि सम संख्या विषम संख्या का अनुसरण करती है तो परिणामी संख्या बड़ी संख्या से छोटी संख्या का घटाव होगी।

Step I: If an odd number is followed by an odd number then the resultant will be the addition of both the numbers.

Step II: If an odd number is followed by an even number then the resultant will be the subtraction of the smaller number from the larger number.

Step III: If an even number which is divisible by 4 is followed by an odd number then the resultant will be the multiplication of two numbers.

Step IV: If an even number is followed by an even number then the resultant will be the addition of both the numbers.

Step V: If an even number is followed by an odd number then the resultant will be the subtraction of the smaller number from the larger number.

Q. Find the difference between the resultant of the first and second row.

- A. 13
- B. 11
- C. 17
- D. 15
- E. 22

चरण I: यदि एक विषम संख्या एक विषम संख्या का अनुसरण करती है तो परिणामी दोनों संख्याओं का जोड़ होगा।

चरण II: यदि एक विषम संख्या एक सम संख्या के बाद है तो परिणामी संख्या बड़ी संख्या से छोटी संख्या का घटाव होगी।

चरण III: यदि एक सम संख्या जो 4 से विभाज्य है, उसके बाद विषम संख्या है तो परिणामी दो संख्याओं का गुणन होगा।

चरण IV: यदि एक सम संख्या में सम संख्या का अनुसरण किया जाता है तो परिणामी दोनों संख्याओं का जोड़ होगा।

चरण V: यदि सम संख्या विषम संख्या का अनुसरण करती है तो परिणामी संख्या बड़ी संख्या से छोटी संख्या का घटाव होगी।

9	3	6	4
2	5	7	3

