



## SBI, IBPS, RRB PO / CLERK



## **Puzzle Series**

String & Matrix
Based Puzzle
(Mains Level)







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There is a 5x5 matrix which can produce signals which in turn help in illumination of some bulbs. The rows of the matrix are denoted by @, %, &, £ and ¥ from bottom to top in the same order and the columns are denoted by A, B, C, D and E from left to right:

Frow contains numbers which are consecutive multiple of '9'starting from '36'.

Frow contains numbers which are consecutive multiple of (13')

x row contains numbers which are consecutive multiple of '8' starting from (32')

% row contains numbers which are consecutive multiple of (7')

prow contains numbers which are consecutive multiple of 11

The matrix helps in producing signals which is a string of <u>numbers</u>. There are four bulbs P, Q, R and S. Based on the outcome of the string one of the bulb blinks.

N		A	lé	c	D	E	
	*	36	45	54	63	72	_
	£	13	26	39	52	45	
	9	32	40	48	56	64	
_	%	7	14	21	28	35	
•	0	11	22	33	44	<u></u>	_
		•					

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#### Condition for blink:-

- I. If outcome of the string is below 80, the bulk Q blinks.
- II. If outcome of the string is between 90 and 110, the bulb S blinks.
- III. If outcome of the string is between 125 and 150, the bulb P blinks.
- IV. If outcome of the string is between 175 and 200, the bulb R blinks.
- V. If none of the above condition follows then, no bulb blinks.

#### For outcome of the string:

If all the numbers of the string are even number then, outcome is obtained by multiplying unit digit of all the two digit numbers.

f a prime number is followed by another prime number then, outcome is obtained by sum of all two digits number.

obtained by multiplying tenth place of all the numbers.

A B C D E								
	Α	В	С	D	E			
	36							
	13							
&	32	40	48	56	64			
%	7	14	21	28	35			
@	11	22	33	44	55			

SBI PO

7=(26,64,13,44) 2×6×1×4=(48)

If Y = £B &E £A @D then which of the following bulb blinks? a) R b) P c) Q d) S e) None blinks

# If $X=\pm A$ %A $\pm D$ &E, then which of the following bulb blinks? (13, 7, 63, 64) a) Q b) S c) R d) none blinks e) none of these bulbs.

		-	_	_	_	_
Condition for blink:-		Α	В	С	D	Е
I. If outcome of the string is below 80, the bulb Q blinks. II. If outcome of the string is between 90 and 110, the bulb S blinks.	¥	36	45	54	63	72
III. If outcome of the string is between 125 and 150, the bulb P blinks.	£	13	26	39	52	65
IV. If outcome of the string is between 175 and 200, the bulb R blinks.  V. If none of the above condition follows then, no bulb blinks.	&	32	40	48	56	64
For outcome of the string:	%	7	14	21	28	35
I. If all the numbers of the string are even number then, outcome is	@	11	22	33	44	55

I. If all the numbers of the string are even number then, outcome is obtained by multiplying unit digit of all the two digit numbers.

II. If a prime number is followed by another prime number then, outcome is obtained by sum of all two digits number.

III. If a prime number is preceded by a perfect square then, outcome is obtained by multiplying tenth place of all the numbers.



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If X = \(\begin{aligned}
\text{YC@D} \text{EB @B} \then which of the following bulb blinks?} \end{aligned}

a Rb) Qc) Pd) Se) None blinks

(54)	. 44 <sup>°</sup>	26	(22)
	<i>j</i>		)ノ

#### **Condition for blink:-**

- 4×4×6×2 = 192
- I. If outcome of the string is below 80, the bulb Q blinks.

  II. If outcome of the string is between 90 and 110, the bulb S blinks.
- III. If outcome of the string is between 125 and 150, the bulb P blinks.
- (IV) If outcome of the string is between 175 and 200, the bulk R blinks.
- V. If none of the above condition follows then, no bulb blinks.

For outcome of the string:	@_	11	22	33	(44)	55

- I. If all the numbers of the string are even number then, outcome is obtained by multiplying unit digit of all the two digit numbers.
- II. If a prime number is followed by another prime number then, outcome is obtained by sum of all two digits number.
- III. If a prime number is preceded by a perfect square then, outcome is obtained by multiplying tenth place of all the numbers.

 A
 B
 C
 D
 E

 ¥
 36
 45
 54
 63
 72

 £
 13
 26
 39
 52
 65

 &
 32
 40
 48
 56
 64

 %
 7
 14
 21
 28
 35

 @
 11
 22
 33
 44
 55





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