Puzzle Series

Mains

String & Matrix Based Puzzle (Mains Level)

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:

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

£ row contains numbers which are consecutive multiple of '13'.

& row contains numbers which are consecutive multiple of '8' starting from '32'.

% row contains numbers which are consecutive multiple of '7'.

@ row contains numbers which are consecutive multiple of '11'.

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

	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

Condition for blink:- ✓

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 bulb R blinks.

V. If none of the above condition follows then, no bulb blinks.

For outcome of the string:- ✓✓

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.

SBI PO

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Y = (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=£A %A ¥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.

13+7+63+64 = 147

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SBI PO

If X = ¥C @D £B @B, then which of the following bulb blinks?
a) R b) Q c) P d) S e) None blinks   *(54, 44, 26, 22)*

4 × 4 × 6 × 2 = 192

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RRB Mains

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