

Medium

DGVCL Vidyut Sahayak JE (Electrician) 2024

The LCM of $5^3 \times 9^2 \times 11$, $5^2 \times 11^2 \times 19$ and $9^3 \times 11^2 \times 19^2$ is:

A

$$5^2 \times 9^3 \times 11 \times 19^2$$

B

$$5^3 \times 9^2 \times 11^2 \times 19$$

C

$$5^2 \times 9^2 \times 11^2 \times 19^3$$

D

$$5^3 \times 9^3 \times 11^2 \times 19^2$$

Correct

Correct Answer: D

Full Detailed Explanation

LCM takes the highest powers of every prime factor: 5^3 , 9^3 , 11^2 and 19^2 .

Open live question on website:

<https://sarkariresultout.com/pyq/question/the-lcm-of-5-3-x-9-2-x-11-5-2-x-11/>