

Mathematical Reasoning - Class XI

Past Year JEE Questions

Questions

Question: 01

Consider the statement : " $P(n) : n^2 - n + 41$ is prime". Then which one of the following is true ?

- A. $P(5)$ is false but $P(3)$ is true
- B. Both $P(3)$ and $P(5)$ are true
- C. $P(3)$ is false but $P(5)$ is true
- D. Both $P(3)$ and $P(5)$ are false

Solutions

Solution: 01

Explanation

$P(n) : n^2 - n + 41$ is prime

$P(5) = 61$ which is prime

$P(3) = 47$ which is also prime