

Mathematical Reasoning - Class XI

Past Year JEE Questions

Questions

Question: 01

Negation of the statement :

$\sqrt{5}$ is an integer or 5 is irrational is :

A. $\sqrt{5}$ is not an integer and 5 is not irrational.

B. $\sqrt{5}$ is irrational or 5 is an integer.

C. $\sqrt{5}$ is an integer and 5 is irrational.

D. $\sqrt{5}$ is not an integer or 5 is not irrational.

Solutions

Solution: 01

Explanation

$p = \sqrt{5}$ is an integer.

$q : 5$ is irrational

$$\sim(p \vee q) \equiv \sim p \wedge \sim q$$

$= \sqrt{5}$ is not an integer and 5 is not irrational.