

## Mathematical Reasoning - Class XI

### Past Year JEE Questions

---

---

#### Questions

---

##### Question: 01

---

Consider the following three statements :

P : 5 is a prime number

Q : 7 is a factor of 192

R : L.C.M. of 5 and 7 is 35

Then the truth value of which one of the following statements is true ?

A.  $(P \wedge Q) \vee (\sim R)$

B.  $P \vee (\sim Q \wedge R)$

C.  $(\sim P) \wedge (\sim Q \wedge R)$

D.  $(\sim P) \vee (Q \wedge R)$

---

---

#### Solutions

---

##### Solution: 01

---

##### Explanation

It is obvious