

Binomial Theorem - Class XI

Related Questions with Solutions

Questions

Question: 01

The middle term in the expansion of $(1 - 3x + 3x^2 - x^3)^6$ is

- A. ${}^{18}C_{10}x^{10}$
- B. ${}^{18}C_9(-x)^9$
- C. ${}^{18}C_9x^9$
- D. $- {}^{18}C_{10}x^{10}$

Solutions

Solution: 01

$$[[1 - x]^3]^6 = [1 - x]^{18}$$

$$\text{middle term} = {}^{18}C_9 [-x]^9$$

Correct Options

Answer:01

Correct Options: B