Related Questions with Solutions

Questions

Quetion: 01

Numerically greatest term in the expansion of $(3 - 5x)^{15}$ when $x = \dfrac{1}{5}$ is

A. Fourth term only
B. Fifth term only
C. both fourth and fifth term
D. sixth term

Solutions

Solution: 01

$$m = \frac{15 + 1}{1 + \left|\frac{3}{5 \times \frac{1}{5}}\right|} = \frac{16}{4} = 4$$

Since m is an integer,
Numerically Greatest Terms are T_4 and T_5

Correct Options

Answer:01
Correct Options: C