Related Questions with Solutions

Questions

Quetion: 01

If $y = \dfrac{1}{1 + x^{n-m} + x^{p-m}} + \dfrac{1}{1 + x^{m-n} + x^{p-n}} + \dfrac{1}{1 + x^{m-p} + x^{n-p}}$ then $\dfrac{dy}{dx}$ at $e^{m^{n^p}}$ is equal to:

A. e^{mnp}

B. $e^{mn/p}$

C. $e^{np/m}$

D. None of these

Solutions

Solution: 01

Multiply Numerator and Denominator by x^m, x^n and x^p respectively will give y = 1

$\Rightarrow \quad y' = 0$

Correct Options

Answer:01

Correct Options: D