

ASSIGNMENT-2

Date of Submission - 22/5/20

M.M - 8

Q1 Expand $e^x \log(1+y)$ in neighbourhood of the point $(0,0)$ and find first six terms of expansion.

Q2 The Sum of three positive numbers is constant. Prove that their product is maximum when they are equal.

Q3 Find maximum and minimum distances of the point $(3,4,12)$ from Sphere $x^2 + y^2 + z^2 = 1$.