

'DO MATHEMATICS LEARN MATHEMATICS'

B.Sc (PCM)

SUB: Differential Equation

ASSIGNMENT - 5

DO ALL QUESTIONS:

Q1. Solve $D E \quad r + t \quad 2s = 0$.

Q2. Solve $x \frac{dy}{dx} = x + y$

Q3. Solve the equation

$$\frac{dy}{dx} + 2y = 4x$$

Q4. Write subsidiary Mange's equation.

Q5 . Define he condition of exactness of $Mdx + Ndy = 0$

Q6. To find the root of $D E \quad D^2 y + 3Dy + 2y = 0$

Q7 What is consistency .