Daffodil International University

Department of CSE

Course Code: MAT211

set:B

Course Title: Engineering Mathematics

2

Quiz: 01

Section: 65_B Time: 30 Mins

- 01. Give the answer (with explanation) to the following questions
 - a) Mention the order and degree of $\left(\frac{dy}{dx}\right)^3 = \sqrt[5]{\left(\frac{d^3y}{dy^3}\right)^4 + y}$
 - b) Write down the conditions of non-Linear equation with example
- 02. Find the differential equation of the solution $xy = Ae^{2x} + Be^{-2x} + x^2$
- 03. Solve the equation $\frac{dy}{dx} = \frac{xy + 3x y 3}{xy 2x + 4y 8}$

J. .

may card may all