Daffodil International University
Department of CSE

Course Code: MAT211   set:B   Section: 65_C

Course Title: Engineering Mathematics   Quiz: 01   Time: 30 Mins

01. Give the answer (with explanation) to the following questions   4

     a) Mention the order and degree of $\frac{d^3y}{dy^3} = \sqrt[4]{\left(\frac{d^2y}{dy^2}\right)^3} - 5xy$

     b) Write down the conditions of Linear equation with example

02. Find the differential equation of the solution $y = ae^{-3x} + be^{2x} + ce^x$ 6

03. Solve the equation $(x - 1)(y + 1)dy - x(2y + 1)\, dx = 0$ 5