



**Daffodil**  
International  
University

Student ID: [REDACTED]

Course Code: MAT211

Date: 30/10/24

Marks: 15

## Class Test

Program:

Course Title: Engineering Mathematics

Signature of the Course Teacher:

Semester: Fall 2024

Section: 65\_J

Class Test No.: 2

Time: 30 Minutes

Q-1	Solve the ODE, $x^2 \frac{d^3 y}{dx^3} + 3x \frac{d^2 y}{dx^2} + \frac{dy}{dx} = x + \ln x + \sin(\ln x^2)$	15
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START FROM HERE