University

Class Test

Student ID:	**Program:**
Course Code: MAT211	**Course Title: Engineering Mathematics**
Date: 05/09/24	**Signature of the Course Teacher:**

Semester: Fall 2024

Section: 65_J

Class Test No.: 1

Marks: 15

Time: 45 Minutes

Q-1	i.	Write down the condition of the non-linear ODE.	3
	ii.	Write an example of five order and six-degree ODE.	1
	iii.	Formulate the ODE of the equation $xy = Ae^{-x} + Be^{x} + x^{2}$.	5
	iv.	Find the differential equation of a family of circles touches the y-axis at origin.	6

WRITING START HERE