Class Test

Student ID: **Program:**   **Semester: Fall 2024**

Course Code: MAT211   **Course Title: Engineering Mathematics**   **Section: 65_H**

Date: 11/09/24   **Signature of the Course Teacher:**   **Class Test No.: 1**

Marks: 15   Time: 35 Minutes

Q-1	i.	Write an example of 6th order and 5th degree ODE.	1
	ii.	Distinguished between linear and non-linear ODE.	4
	iii.	Solve the ODE $\dfrac{dy}{dx} = Be^{3x+3y}$.	4
	iv.	Find the differential equation of a family of circles touches the y-axis at origin.	6

WRITING START HERE