



Quiz-3 (Summer-2026)

Student ID:

Student Name:

Course Code: MAT 101

Course Title: Mathematics I

Section: 24-A

Date: 13/08/2026

Full Marks: 15 Marks

Time: 30 min

Answer all the following questions

Question 1: Compute the following integrals

i) $\int (e^{-2x} + \sqrt{x} - 5) dx$

ii) $\int x^9 e^{x^{10}} dx$

iii) $\int \frac{\cos(\frac{1}{x})}{x^2} dx$

[5*3 = 15 marks]

iv) $\int x \sin x dx$

v) $\int \frac{1}{(x+1)(x+3)} dx$

Start Writing from here: