

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

Pharm D. – 1<sup>st</sup> Year -EXAMINATION– SUMMER - 2023

**Subject Code: 818803**

**Date: 07/08/2023**

**Subject Name: Medicinal Biochemistry**

**Time: 10:30 am to 01:30 pm**

**Total Marks: 70**

**Instructions:**

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

<b>Q-1</b>	<b>(a)</b> Write a note on Electron Transport Chain.	<b>06</b>
	<b>(b)</b> Describe Metabolic defects of Branch chain amino acids	<b>04</b>
	<b>(c)</b> Explain Tests for hepatic dysfunction	<b>04</b>
<b>Q-2</b>	<b>(a)</b> Write short note o purine metabolism	<b>06</b>
	<b>(b)</b> Write a Short Note on Transport Process Across the cell membrane.	<b>04</b>
	<b>(c)</b> Describe Enzyme inhibition.	<b>04</b>
<b>Q-3</b>	<b>(a)</b> Explain TCA Cycle.	<b>06</b>
	<b>(b)</b> Write a note on Oxidative Phosphorylation.	<b>04</b>
	<b>(c)</b> Describe ELISA in brief.	<b>04</b>
<b>Q-4</b>	<b>(a)</b> Explain HMP Shunt.	<b>06</b>
	<b>(b)</b> Write a note on Cholesterol metabolism.	<b>04</b>
	<b>(c)</b> Explain Electron Transport Chain.	<b>04</b>
<b>Q-5</b>	<b>(a)</b> Explain Urea Cycle.	<b>06</b>
	<b>(b)</b> Describe in detail about gluconeogenesis.	<b>04</b>
	<b>(c)</b> Write a note on factors affecting Enzyme Activity.	<b>04</b>
<b>Q-6</b>	<b>(a)</b> Write a note on DNA Replication.	<b>06</b>
	<b>(b)</b> Write a short note on different Lipid profile tests.	<b>04</b>
	<b>(c)</b> Explain metabolism of Cholesterol.	<b>04</b>
<b>Q-7</b>	<b>(a)</b> Explain $\beta$ -Oxidation of fatty acids.	<b>06</b>
	<b>(b)</b> Write a brief note on Electrolytes.	<b>04</b>
	<b>(c)</b> Write a brief note on Laboratory tests for normal kidney function.	<b>04</b>