

GUJARAT TECHNOLOGICAL UNIVERSITY**Pharm D – Year- I • EXAMINATION –SUMMER - 2022****Subject Code: 818803****Date: 25/07/2022****Subject Name: Medicinal Biochemistry****Time: 10:30AM TO 1:30PM****Total Marks: 70****Instructions:**

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

Q.1	(a) Write a short note β Oxidation.	06
	(b) Explain lipid profile tests.	04
	(c) Describe metabolic disorders of aminoacids.	04
Q.2	(a) Write a note on cholesterol biosynthesis.	06
	(b) Explain Genetic code.	04
	(c) Write a note on glycogen storage disease.	04
Q.3	(a) Write a short note active and passive transport across the cell membrane.	06
	(b) Write an overview about clinical chemistry.	04
	(c) Explain regulation of electron transport chain.	04
Q.4	(a) Describe DNA replication.	06
	(b) Explain factors affecting enzyme activity.	04
	(c) Describe laboratory tests for urine analysis	04
Q.5	(a) Write a short note on ELISA.	06
	(b) Write a brief note on oxidative phosphorylation.	04
	(c) Write a short note on Coenzymes.	04
Q.6	(a) Write a note on TCA cycle.	06
	(b) Write an explanatory note on hepatic function test.	04
	(c) Write an overview on electrolytes.	04
Q.7	(a) Explain gluconeogenesis.	06
	(b) Write a note on cholesterol metabolism.	04
	(c) Give an overview of urea cycle.	04
