THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BPHARM 0522]

MAY 2022 (FEBRUARY 2022 EXAM SESSION)

Sub. Code: 4254

B. PHARMACY DEGREE EXAMINATION FIRST YEAR – (NON-SEMESTER) PAPER IV – BIOCHEMISTRY Q.P. Code: 564254

Time: Three hours	Answer ALL questions	Maximum: 100 Marks
I. Elaborate on:		$(2 \ge 20 = 40)$
 a) Define and classify Vitamins with suitable examples. b) Write the biochemical functions of Thiamine and Pyridoxine. a) Explain in detail about the classification of Amino acids along with their structure. b) Describe transamination reaction and its importance. 		
II. Write notes on:		(8 x 5 = 40)
 β – Oxidation of saturat Gout. Fatty liver. HMP shunt pathway. Classification and biolo Prostaglandins. Enzyme induction. Formation and utilization 	ogical role of nucleic acids.	
III. Short answers on:		(10 x 2 = 20)

- 1. What is endocytosis?
- 2. Acid value.
- 3. Genome.
- 4. Define Carbohydrate.
- 5. Benzidine test.
- 6. Alkaptonuria.
- 7. Zymogens.
- 8. Write any two properties of enzymes.
- 9. Jaundice.
- 10. Write the functions of Glutathione.