

B. Pharm. 1st Year 2nd Semester Examination, 2024

Subject: Biochemistry

Subject Code: BP203T

Full Marks: 75

Time: 3 Hr

Answer any five questions taking at least two from each group

Group-A

- Q1. a) Write an account on the metabolic fate of amino acids. 4
b) Discuss in detail about the structure of proteins. 6
c) Write an account on oxidative and non oxidative deamination process. 5
- Q2. a) Discuss in detail about the catabolism of phenylalanine and related metabolic disorders. 7
b) Write an account on urea cycle with associated metabolic disorders. 8
- Q3. a) Discuss the biosynthesis of melatonin. 5
b) Write in detail about the metabolism of glycine with special biochemical functions. 5
c) Discuss the biochemical steps of heme synthesis. 5

Group B

- Q4. Explain about glycolysis pathway including energetic and significance. 15
- Q5. Write in details about Citric acid cycle (Starting from Pyruvic acid) including energetics. 15
- Q6. Classify Biomolecules. Write note on carbohydrate and protein. 15
- Q7. Describe HMP Shunt including its significance. 15