

QP Code: 223006

Reg. No.....

**Second Semester B. Pharm Degree Supplementary Examinations
February 2025
Biochemistry
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays

(2x10=20)

1. Explain Urea cycle and its disorders
2. Discuss about mechanism of electron transport chain and its inhibitors

Short Notes

(7x5=35)

3. Energy rich compounds
4. Citric acid cycle
5. Formation and utilization of ketone bodies
6. Michaelis plot in enzyme kinetics
7. Protein synthesis and its inhibitors
8. Biosynthesis of Purine nucleotides
9. Coenzymes

Answer Briefly

(10x2=20)

10. Significance of Melatonin
11. Functions of DNA
12. Biological role of lipids
13. Glucose-6-phosphate dehydrogenase (G6PD) deficiency
14. IUB classification of enzymes
15. Significance of Glycolysis
16. Phenylketonuria
17. Structure of DNA
18. Enzyme induction
19. Relationship between free energy, enthalpy and entropy
