

QP Code: 223006

Reg. No.....

**Second Semester B. Pharm Degree Regular/Supplementary
Examinations January 2024
Biochemistry**

(Common for 2017 and 2022 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. Describe citric acid cycle. Give its energetics and significance.
2. Explain electron transport chain and its mechanism.

Short Notes

(7x5=35)

3. Oxidative deamination reaction of amino acid metabolism
4. Allosteric enzymes regulation.
5. Catabolism of heme
6. Hexose monophosphate shunt
7. Beta oxidation of palmitic acid
8. Semiconservative DNA replication model
9. Catabolism of purines

Answer Briefly

(10x2=20)

10. Concept of free energy
11. Glycosuria
12. Hypercholesterolemia
13. Apo-enzyme and holoenzyme
14. Classification of carbohydrates
15. Albinism
16. Significance of 5-HT
17. Functions of lipids
18. Ketoacidosis
19. Fatty liver
