

QP Code: 223006

Reg. No.....

**Second Semester B. Pharm Degree Regular/Supplementary
Examinations May 2021**

**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. Define lipids. Explain the pathway of beta oxidation of palmitic acid and add a note on its energetics.
2. Explain in detail general reactions of amino acid metabolism.

Short Notes

(7x5=35)

3. Competitive enzyme inhibition
4. Biological significances of ATP
5. Catabolism of phenylalanine
6. Biosynthesis of pyrimidine nucleotides
7. Formation and utilization of Ketone bodies
8. Biological role of carbohydrates
9. Conversion of cholesterol into steroid hormone

Answer Briefly

(10x2=20)

10. Hyperbilirubinemia
11. Glucose – 6 – phosphate dehydrogenase deficiency
12. Alkaptonuria
13. Coenzymes
14. Glycolysis
15. Oxidative phosphorylation
16. Name the stages of RNA synthesis
17. Hyperuricemia
18. Classification of aminoacids
19. Obesity
