

2010 Scheme

QP CODE: 207006

Reg. No:

Second Year B.Pharm Degree Supplementary Examinations December 2019

Applied Biochemistry & Molecular Biology

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Describe TCA cycle with its significance and energetic. (6+4)
2. Explain the mechanism of enzyme action and give the factors affecting enzyme activity. (7+3)
3. Biosynthesis and degradation of cholesterol (2+8)

Short Notes

(14x5=70)

4. Uronic acid pathway
5. Synthesis and significance of histamine
6. Ketolysis
7. Gluconeogenesis
8. Therapeutic and diagnostic applications of enzymes.
9. Mechanism of electron transport chain
10. Fatty liver
11. Structure and functions of chromosomes
12. Catabolism of purine nucleotides
13. Classification and biological role of amino acids
14. Jaundice
15. Structure and biological functions of ATP
16. Transcription
17. Diabetes mellitus
