

QP Code: 223006

Reg. No.....

Second Semester B.Pharm Degree Examinations July 2018

**Biochemistry
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Describe the citric acid cycle pathway with its energetic. Add a note on its significance.
2. Explain the general reactions involved in the amino acid metabolism.

Short Notes

(7x5=35)

3. Hyperuricemia and gout disease.
4. Structure of DNA and its function.
5. Enzyme kinetics
6. Diagnostic application of enzymes.
7. Explain the catabolism of heme.
8. Significance of HMP shunt
9. Beta oxidation of saturated fatty acid

Answer Briefly

(10x2=20)

10. Therapeutic applications of enzymes
11. Significance of melatonin
12. Metabolic disorders associated with phenylalanine catabolism
13. Hyperbilirubinemia
14. Urea cycle
15. Genetic code
16. Classification of enzymes
17. Obesity
18. Isoenzymes
19. Fatty liver
