

QP Code: 223006

Reg. No.....

**Second Semester B.Pharm Degree Regular/Supplementary
Examinations August 2019
Biochemistry
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Describe the biosynthesis of purine nucleotides
2. Describe the steps involved in the glycolytic pathway with its energetic.

Short Notes

(7x5=35)

3. Formation of ketone bodies
4. Oxidative phosphorylation
5. Mechanism of electron transport chain
6. Enzyme inhibitors
7. Allosteric enzyme regulation
8. Steroidal hormones
9. DNA replication

Answer Briefly

(10x2=20)

10. Significance of dopamine
11. Transamination reaction of amino acid
12. Enzyme induction
13. Significance of glucose-6-phosphate dehydrogenase
14. Physiological role of vitamin D
15. RNA synthesis
16. Biological significance of noradrenaline
17. Enzyme repression
18. Properties of enzymes
19. Albinism
