

QP Code: 223006

Reg. No.....

**Second Semester B. Pharm Degree Regular/Supplementary
Examinations June 2022**

**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. Explain HMP Shunt with its significance.
2. Describe the biosynthesis of purine nucleotides.

Short Notes

(7x5=35)

3. Discuss about urea cycle and its disorders.
4. List the various metabolic disorders of phenyl alanine. Explain Albinism.
5. Explain briefly the structure of RNA. Enumerate its functions.
6. Synthesis and significance of melatonin.
7. Explain briefly the utilization of Ketone bodies.
8. Summarize the process of breakdown of Heme.
9. Explain IUB classification of enzyme.

Answer Briefly

(10x2=20)

10. Free energy.
11. Oxidative phosphorylation.
12. Jaundice.
13. Inhibitors of protein synthesis.
14. Biochemical functions of coenzymes.
15. Decarboxylation reaction of amino acid metabolism.
16. Glycogen storage diseases.
17. Hormonal regulation of blood glucose level.
18. Significance of ATP.
19. Exergonic reaction.
