

QP CODE: 103326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
October 2023**

Medicinal Biochemistry

Time: 3 Hours

Total Marks: 70

- *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 table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Define gluconeogenesis and explain the reactions involved in it with its significance.
2. Explain in detail about biosynthesis of proteins.
3. Define enzyme inhibition and discuss the different types of enzyme inhibitions.

Short notes:

(8x5=40)

4. Discuss in detail about Enzyme Linked Immuno Sorbent Assay (ELISA).
5. Discuss the glycogen storage diseases.
6. What are ketone bodies. Explain the formation and importance of ketone bodies.
7. Explain the production of bile pigments.
8. Describe the different DNA repair mechanisms.
9. Define urinary tract calculi.
10. Explain the tests for hepatic dysfunction.
11. Write the composition and functions of lipoproteins.
