

QP CODE: 103326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
February 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. Discuss the β – oxidation of saturated fatty acids.
2. Enumerate the various liver function tests and discuss the tests for serum bilirubin and urine bilirubin.
3. Define enzymes, classify them and describe the factors affecting enzyme activity.

Short notes:

(8x5=40)

4. Explain ATP and its biological significance in detail.
5. Protein biosynthesis
6. Kidney Function Tests.
7. Write a note on metabolic disorders of carbohydrate metabolism.
8. Urea clearance
9. Define hyperbilirubinemia. Name the tests for bilirubin in urine.
10. Explain the process of transamination in detail.
11. HMP Shunt.
