

QP CODE: 103326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
January 2022**

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. Explain the reactions of Kreb's cycle. Add a note on its amphibolic nature.
2. Enlist the stages in protein biosynthesis and explain 'translation process proper'.
3. Explain in detail the biosynthesis of fatty acids with a suitable example.

Short notes:

(8x5=40)

4. Explain the process of Transamination in detail
5. Effects of substrate concentration and temperature on enzyme activity.
6. Effects of good cholesterol and bad cholesterol.
7. Kidney function tests.
8. Principle and procedure involved in ELISA
9. Principle involved in the determination of sodium and potassium in body fluids.
10. Any two Liver Function tests
11. Passive diffusion and facilitated diffusion.
