

QP CODE: 103326

Reg. No: .....

**First Year Pharm D Degree Supplementary Examinations June 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. Enlist the phases and explain the reactions of aerobic glycolysis with a note on its energetics.
2. Explain DNA replication with the help of a neat labelled diagram of replication fork process.
3. Elaborate on the following disorders associated with lipid metabolism Atherosclerosis Fatty liver.

**(8x5=40)**

4. Ornithine cycle.
5. Lock and key model and Koshland model of enzyme action.
6. Composition and functions of lipoproteins.
7. Clearance tests for assessing kidney function.
8. Principle and procedure of Sandwich ELISA.
9. Principle involved in Volhard's method for estimation of chloride in urine.
10. Any two liver function tests.
11. Fluid mosaic model of plasma membrane.

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