

QP CODE: 103326

Reg. No: .....

**First Year Pharm D Degree Supplementary Examinations  
August 2021**

**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 de novo synthesis of purine nucleotides.
2. Enlist the salient features of glycolysis and enlist the enzymes involved in this pathway.
3. Explain ketogenesis and ketolysis.

**Short notes:**

**(8x5=40)**

4. Urea cycle.
5. Any two factors affecting enzyme activity.
6. Primary gout.
7. Test for excretory function of liver.
8. Enzyme linked immunosorbent assay.
9. Oxidative phosphorylation.
10. Determination of total cholesterol.
11. Jaundice.

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