

Q.P. Code: 105001

Reg. No.:

**First Professional MBBS Degree Supplementary Examinations
November 2020**

Biochemistry – Paper I

Time: 3 Hours

Total Marks: 50

- *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*

Essay (10)

1. Explain the formation and disposal of Ammonia. Add a note on the urea cycle disorders (2+6+2)

Short essays (2x5=10)

2. Formation and utilization of ketone bodies
3. Gluconeogenesis

Short notes (5x3=15)

4. Functions and significance of Low density lipoprotein
5. Hormonal regulation of blood sugar
6. Secondary structure of protein
7. Non-Competitive inhibition
8. Anapleurotic reactions of citric acid cycle

Answer briefly (5x2=10)

9. Inhibitors of electron transport chain
10. Lipotropic factors
11. Isoenzymes and significance
12. Cori's cycle
13. Name two phospho lipids, and their functions

Give precise answers: (5x1=5)

14. Enzyme defect in alkaptonuria
15. Clinical importance of serum amylase
16. Glutathione
17. Name two compounds formed from glycine
18. Essential fatty acids
