

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

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