

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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