

2010 Scheme

Q.P. Code: 105001

Reg. No.:

First Professional MBBS Degree Supplementary Examinations July 2023

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. What are the types of fatty acid oxidation. Explain in detail the oxidation of palmitic acid and its regulation (1+7+2)

Short essays (2x5=10)

2. Competitive Inhibition of enzymes with examples
3. Glucose transporters

Short notes (5x3=15)

4. Transamination reactions
5. Active transport
6. Von-Gierke's disease
7. Dietary fibre
8. Biologically important peptides

Answer briefly (5x2=10)

9. Products of HMP shunt pathway
10. PUFA (Poly Unsaturated Fatty Acids)
11. Micelles
12. Why sucrose is a non reducing sugar
13. Classification of Lipoproteins

Give precise answers: (5x1=5)

14. Normal range of serum urea and creatinine
15. Define hypoglycemia
16. Name aromatic amino acids
17. Enzyme deficient in Galactosemia
18. Name two causes for hyperlipidemia
