

## 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

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