

2010 Scheme

Q.P. Code: 105001

Reg. No.:

**First Professional MBBS Degree Supplementary Examinations
September 2021****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. Define enzyme inhibition. Explain the different types of enzyme inhibitions. Mention the significance of enzyme inhibitors. (1+6+3)

Short essays (2x5=10)

2. Ketone body metabolism.
3. Absorption of carbohydrates.

Short notes (5x3=15)

4. Inhibitors of electron transport chain.
5. Galactosemia.
6. Biochemical defect, clinical features and diagnosis of phenylketonuria.
7. Definition and characteristics of denaturation.
8. Substrate level phosphorylation.

Answer briefly (5x2=10)

9. Renal glycosuria.
10. Functions of apolipoproteins.
11. Endoplasmic Reticulum
12. Sources of acetyl CoA.
13. Lipotropic factors

Give precise answers (5x1=5)

14. Enzyme defect in Tay Sach's disease.
15. Mention the normal serum level of cholesterol.
16. Define optimum temperature.
17. Key enzyme of HMP shunt pathway.
18. Name two compounds formed from Glycine.
