

2010 Scheme

Q.P. Code: 105001

Reg. No.:

**First Professional MBBS Degree Supplementary Examinations
January 2026
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 sources of ammonia in the body. Describe how ammonia is detoxified in the body. Name two inborn errors associated with the process

Short essays (2x5=10)

2. Explain Reverse Cholesterol transport
3. Explain Competitive and Noncompetitive inhibition. Mention the clinical significance of competitive inhibition

Short notes (5x3=15)

4. Chronic complications of diabetes mellitus.
5. Significance of HMP pathway
6. Von Gierke's disease
7. Mitochondria
8. Maple Syrup Urine Disease

Answer briefly (5x2=10)

9. Significance of glycated hemoglobin
10. Essential Fatty acids
11. Alkaptonuria
12. Therapeutic Enzymes
13. Hyaluronic acid

Give precise answers: (5x1=5)

14. Organelle for protein synthesis
15. Name any two uncouplers of oxidative phosphorylation
16. Suicide inhibition is also called as
17. Normal fasting blood glucose level
18. Name the two primary bile acids
