

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - 17-Apr-2025

Time: Three Hours**Max. Marks: 50 Marks****BIOCHEMISTRY – PAPER I (RS3)****Q.P. CODE: 1079**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1079 and 1080 are to be, answered within total duration of three hours)
(Use separate Answer books for QP Code 1079 & 1080)

LONG ESSAYS**1 x 10 = 10 Marks**

1. Define Glycogenesis and Glycogenolysis. Write the reactions of Glycogenesis and Glycogenolysis in the Liver.

SHORT ESSAYS**5 x 5 = 25 Marks**

2. Formation and utilization of ketone bodies
3. What are Isoenzymes? Briefly explain Isoenzymes with examples.
4. Describe the secondary structures of Proteins with examples.
5. How is Urea synthesized in the body?
6. What is Oxidative Phosphorylation? Explain Chemiosmotic theory.

SHORT ANSWERS**5 x 3 = 15 Marks**

7. Active transport.
8. **Write any three tumour markers along with its diagnostic significance.**
9. **What are free radicals? Name any four antioxidants in the body.**
10. Lactose intolerance.
11. Essential fatty acids.
