

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - 06/Oct/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. Name the aromatic amino acids. Discuss how phenyl alanine is catabolised in the body. Add a note on phenyl Ketonuria.

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

2. Glucose tolerance tests
3. Glycogen synthesis and its regulation
4. Specialized products from tyrosine
5. Formation and utilization of ketone bodies.
6. Competitive inhibition.

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

7. Classification of proteins based on function.
8. Essential fatty acids.
9. Phase I detoxification
10. Specialized products formed from tryptophan
11. Lipotropic factors
