

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - 30-Sep-2021

Time: Three Hours

Max. Marks: 50 Marks

BIOCHEMISTRY – PAPER I (RS3)

QP 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. What is the normal serum Cholesterol level? Explain the major steps of Cholesterol biosynthesis. Add a note on Type II Hyperlipoproteinemia

SHORT ESSAYS

5 x 5 = 25 Marks

2. Glycogenolysis and its regulation
3. Biochemical role of Vitamin B6
4. Diagnostic and therapeutic uses of enzymes
5. Factors regulating calcium Homeostasis
6. Metabolism of Glycine and name the compound derived from it

SHORT ANSWERS

5 x 3 = 15 Marks

7. Endoplasmic reticulum
8. Glucose – Alanine cycle
9. Maple syrup urine disease
10. Uncouplers of oxidative phosphorylation
11. Cytochrome P450
