

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Phase MBBS Degree Examination – 07-Feb-2024

**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 section A and Section B**

#### **LONG ESSAYS**

**1 x 10 = 10 Marks**

1. Explain the process of steps of  $\beta$  oxidation of fatty acids and energetics.

#### **SHORT ESSAYS**

**5 x 5 = 25 Marks**

2. Anti oxidants.
3. Significance of HMP shunt pathway
4. Transamination reactions and their importance
5. Urea cycle.
6. Homo polysaccharide.

#### **SHORT ANSWERS**

**5 x 3 = 15 Marks**

7. Essential fatty acids.
8. Lactose intolerance.
9. Name any two glycogen disorders and the associated enzyme defect.
10. Role of enzymes as tumor markers (any three)
11. Structure of collagen

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