

# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – September 2014

**Time: 3 Hours**

**Max. Marks: 40 Marks**

## **Biochemistry**

**Q.P. Code: 1749**

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary  
**(Note: Both QP Codes 1748 and 1749 are to be answered within total duration of 3 hours)**

### **LONG ESSAYS (Any One)**

**1 x 10 = 10 Marks**

1. Give a detailed account of aerobic glycolysis. Explain the energetics and regulation.
2. a) Describe the urea cycle. (7+3)  
b) Discuss its importance.

### **SHORT ESSAYS (Any Three)**

**3 x 5 = 15 Marks**

3. Metabolism of proteins
4. Functions of phospholipids
5. Fluid mosaic model of cell membrane
6. Biochemical functions of Vitamin C

### **SHORT ANSWERS**

**5 x 3 = 15 Marks**

7. Name the buffers of blood.
8. Write normal levels of (a) FBS, (b) Serum creatinine, (c) Blood Urea.
9. Phenylketonuria
10. Gout
11. ELISA

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