

# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Mar 2013

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. Describe HMP pathways. Add a note on its significance.
2. Describe urea cycle. Add a note on its disorders.

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

**3 x 5 = 15 Marks**

3. Functions of calcium
4. Homo-polysaccharides
5. Compounds formed from cholesterol
6. Regulation of blood sugar level

### **SHORT ANSWERS**

**5 x 3 = 15 Marks**

7. Functions of mitochondria
8. Name blood buffers
9. Essential fatty acids
10. Antioxidants
11. Glycosuria

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