

# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – SEP-2017

**Time: 3 Hours**

**Max. Marks: 30 Marks**

## **Biochemistry**

**Q.P. Code: 1756**

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary

**(Note: Both OP Codes 1755 and 1756 are to be answered within total duration of 3 hours)**

### **LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Explain in detail the steps involved in Aerobic Glycolysis and add a note on its energetics and regulation.
2. Classify Enzymes. Explain the properties of enzymes and influence of various factors on enzyme activity.

### **SHORT ESSAYS (Answer any Two)**

**2 x 5 = 10 Marks**

3. Functions of lipoproteins
4. Mechanism of Antibody Production
5. Functional classification of proteins

### **SHORT ANSWERS (Answer all)**

**5 x 2 = 10 Marks**

6. Vitamin E
7. Write two functions of calcium.
8. Metabolic acidosis
9. Steroid Hormones
10. Mention the normal levels of Serum Chloride and Serum Sodium.

\*\*\*\*\*