

# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – APRIL-2019

Time: 3 Hours

Max. Marks: 40 Marks

## **Biochemistry**

**Q.P. Code: 1678**

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

**(Note: Both QP Codes 1677 and 1678 are to be answered within total duration of 3 hours)**

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

**1 x 10 = 10 Marks**

1. Define Gluconeogenesis. How lactate is converted in to glucose in the body?
2. Describe Kreb's citric acid cycle and its significance.

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

**4 x 5 = 20 Marks**

3. Write short note on Active Transport mechanism.
4. Explain the classification of enzymes with examples.
5. What are Essential fatty acids? Mention their importance and deficiency manifestations.
6. Enumerate the bio-chemical importance of proteins.
7. Explain the sources and bio-chemical role of vitamin – C.

### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

8. List out four functions of Centromere.
9. Write Intercellular Connections.
10. Write four functions of Lipids.
11. Write down four advantages of ELISA test.
12. Four functions of Keratin.

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