

# Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – APRIL 2015

Time: 3 Hours

Max. Marks: 38 Marks

## Biochemistry

**Q.P. Code : 1739**

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary  
**(Note : Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)**

### LONG ESSAYS (Answer any One)

**1 x 10 = 10 Marks**

1. Classify enzymes. Discuss various factors affecting enzyme activity
2. Write in detail about glycogen metabolism.

### SHORT ESSAYS (Answer any Four)

**4 x 5 = 20 Marks**

3. Urea cycle
4. What are peptides? Biological importance of peptides
5. Structure and functions of cholesterol
6. Lipoproteins
7. Plasma proteins  $\Rightarrow$  name any five (05) and give their functions

### SHORT ANSWERS

**4 x 2 = 8 Marks**

8. Name the ketone bodies
9. Essential fatty acids
10. Mitochondria
11. Give the normal serum levels of (a) Cholesterol (b) Uric acid

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