

I year B.Sc. Nursing (PC) Degree Examination – April 2014

Time: 3 Hours

Max. Marks: 38 Marks

Biochemistry**Q.P. Code : 1739**

Four 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. Describe various steps involved in Glycolysis. Add a note on its energetics.
2. Explain Tyrosine metabolism. Add a note on Alkaptonuria.

SHORT ESSAYS (Answer any Four)**4 x 5 = 20 Marks**

3. Cori's cycle and its significance
4. Deamination
5. Protein digestion and absorption
6. Classify enzymes with examples.
7. Hormonal regulation of blood glucose

SHORT ANSWERS**4 x 2 = 8 Marks**

8. Endoplasmic Reticulum
9. Heparin
10. Hyperglycemia
11. Normal levels of, a) Total Cholesterol b) Uric acid
