

I year B.Sc. Nursing (PC) Degree Examination – MAY 2016

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. Give an account of digestion and absorption of carbohydrates.
2. Define Oxidative Phosphorylation. Describe the components of Electron transport chain.

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

3. Discuss various factors affecting the rate of enzyme catalyzed reactions.
4. Structure and functions of Cholesterol.
5. What are Plasma proteins? Mention their functions.
6. Define Gluconeogenesis and mention its significance.
7. Give account of digestion of proteins.

SHORT ANSWERS (Answer All)**4 x 2 = 8 Marks**

8. Normal levels of a) Blood Urea b) Serum calcium.
9. Name two Glycogen storage diseases.
10. Name two clinically important enzymes.
11. Name two Purine and two Pyrimidine bases.
