

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

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. Explain in detail about beta oxidation of Palmitic acid. Add a note on its energetics.
2. Describe protein biosynthesis.

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

3. Explain briefly various types of enzyme inhibition with examples.
4. Transamination and its significance
5. Structure and functions of Homopolysaccharides
6. Water balance
7. Atherosclerosis

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

8. Dietary fibers
9. Zwitter ion
10. Benedict's test
11. Normal levels of, a) Blood urea b) Serum calcium

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