

I year B.Sc. Nursing (PC) Degree Examination – APRIL 2017

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 TCA cycle. indicate the energy yielding steps in this cycle, how is this regulated.
2. Describe ketone bodies metabolism. Add a note on ketosis.

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

3. Describe water balance in human body.
4. Classify enzymes with suitable examples.
5. Plasma proteins and their functions
6. Digestion and adsorption of lipids
7. Urea cycle

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

8. Name two phospholipids and mention their function.
9. Benedict's test
10. Essential amino acids
11. Hypoglycemia

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