

I year B.Sc. Nursing (PC) Degree Examination – SEP - 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. Describe the pathway of anaerobic glycolysis. Add a note on its energetics.
2. Describe the Beta oxidation of fatty acids. Add a note on its energetics.

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

3. Biomedical importance of lipids.
4. Factors affecting enzyme activity.
5. Functions of water in body.
6. Write a note on Glucose tolerance test (GTT).
7. Define enzyme. Explain competitive inhibition with suitable examples.

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

8. What is denaturation of protein?
9. What are ketone bodies?
10. List down four examples of chemical wastes generated in a hospital.
11. What is Gout?

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