

I year B.Sc. Nursing (PC) Degree Examination – Sep 2012

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. How is blood glucose regulated? Add a note of diabetes mellitus
2. Describe the classification of amino acids with examples

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

3. Important compounds derived from cholesterol
4. Glycogenesis and its regulation
5. Factors affecting enzyme activity
6. Reactions of urea cycle
7. Difference between RNA and DNA

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

8. Components of Pyruvate Dehydrogenase complex
9. Essential fatty acids
10. Two functions of plasma proteins
11. Normal levels of a) Total protein b) Creatinine in blood
