

**First Year B.Sc Nursing Degree Supplementary Examinations, May 2013****NUTRITION AND BIOCHEMISTRY****Time: 3 Hours****Maximum Marks: 75**

- Answer all questions
- Write section A and section B in separate answer books.
Do not mix up questions from section A and section B.

Q P Code: 104010**Section A – NUTRITION****Marks:50****Essay****(10)**

1. Explain the sources, requirements and functions of carbohydrates. Add a note on digestion of carbohydrates.

Short notes**(5x5=25)**

2. Nutritional classification of amino acids.
3. Basal metabolic rate
4. Principles involved in planning a diet
5. Importance of nutrients during adulthood.
6. Functions of lipids.

Answer Briefly**(5x3=15)**

7. Food preservation
8. Functions of water
9. Mid-day meal program
10. Rickets
11. Balanced Diet

Q P Code: 105010**Section B – BIOCHEMISTRY****Marks:25****Essay****(10)**

1. Describe the biologically important compounds derived from phenylalanine. Mention the inborn errors associated with phenyl alanine.

Short notes**(2x5=10)**

2. Scurvy
3. Jaundice

Define the following**(5x1=5)**

4. Co-enzymes.
5. Lipoprotein.
6. pH.
7. Lysosome.
8. Fluorosis.