

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
Essay

Section A – NUTRITION

Marks:50
(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
Essay

Section B – BIOCHEMISTRY

Marks:25
(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.