

First Year B.Sc Nursing Degree Examinations, October 2014

NUTRITION AND BIOCHEMISTRY

Time: 3 Hours

Maximum Marks: 75

- Answer all questions
- Write section A(52 Pages) and section B(32 Pages) 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 national programs related to nutrition in detail.

Short notes

(5x5=25)

2. Water balance.
3. Functions of carbohydrates.
4. Functions of vitamin D.
5. Discuss the importance of nutrition during adolescence period.
6. Food additives and food adulteration.

Answer Briefly

(5x3=15)

7. Uses of five food group system
8. Define basal metabolic rate. Mention any two factors affecting BMR.
9. Food preservation.
10. Types of menus
11. Prevention of food adulteration act.

Q P Code: 105010
Essay

Section B – BIOCHEMISTRY

Marks:25
(10)

1. Name the ketone bodies. Explain how ketone bodies are synthesized and utilized in our body. Add a note on diabetic ketoacidosis.

Short notes

(2x5=10)

2. Digestion of carbohydrate.
3. Phenyl ketonuria

Define the following

(5x1=5)

4. Hyperglycemia
5. Pellagra.
6. Fructosuria.
7. Jaundice
8. Enzymes.
