

First Year B.Sc Nursing Degree Supplementary Examinations April 2019

Nutrition and Biochemistry

(2016 Scheme)

Time: 3 Hours

Max Marks: 75

- Answer all questions
- Write section A (**32 Pages**) and section B (**32 Pages**) in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 114010

Section A – Nutrition

Marks: 50

Short Essay

(2x7= 14)

1. Discuss about protein energy malnutrition in detail.
2. Explain about water soluble vitamins in detail.

Short Notes

(5x4=20)

3. Nutritional programme in India
4. Canning
5. Sources of calcium
6. Goiter
7. Role of fiber

Answer Briefly

(4x4=16)

8. Factors affecting food and nutritional intake
9. Functions of carbohydrates
10. Menu plan for a diabetic adult man doing sedentary work
11. ICDS

Q P Code: 115010

Section B – Biochemistry

Marks: 25

Short Essays

(2x5=10)

1. Digestion and absorption of carbohydrates.
2. Dietary sources, biochemical functions and deficiency manifestations of vitamin A

Short notes

(2x3=6)

3. What are isoenzymes. Give examples of isoenzymes with their clinical importance.
4. Plasma buffers

Differentiate Between

(3x3=9)

5. Immunoglobulin (G) and immunoglobulin (M)
6. Essential amino acids and non-essential amino acids
7. Starch and glycogen
