

First Year B.Sc Nursing Degree Examinations October 2018

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. Explain the nutritional problems in India
2. Explain the classification, digestion and deficiency manifestations of protein.

Short Notes

(5x4=20)

3. List the various methods of food preservation
4. Functions of carbohydrates
5. Prescribe a balanced diet for a preschool child.
6. Enumerate water balance and its regulation
7. Structure of Immunoglobulin.

Answer Briefly

(4x4=16)

8. Body mass index (BMI)
9. FAO
10. Sources of vitamin B₁
11. Classification of minerals.

Q P Code: 115010

Section B – Biochemistry

Marks: 25

Short Essays

(2x5=10)

1. Enumerate the enzymes used to assess hepatic injury.
2. Discuss the biochemical role of thiamine

Short notes

(2x3=6)

3. Plasma buffers.
4. Functions of plasma protein

Answer briefly

(3x3=9)

5. Hypoglycemia and hyperglycemia
6. Diabetic ketoacidosis and starvation ketoacidosis
7. Ig M and Ig A
