

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
October 2024**

Nutrition and Biochemistry

(2016 Scheme)

Time: 3 Hours

Max Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *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. Mention the classification of vitamins, explain the functions and deficiency effects of vitamin C (2+3+2)
2. Briefly explain nutritional programmes in India and the role of Nurse in vitamin A prophylaxis programme (5+2)

Short Notes

(5x4=20)

3. Factors affecting Basal metabolic rate
4. Functions of carbohydrates
5. Functions of vitamin A and vitamin D
6. What is PEM (Protein Energy Malnutrition) and explain the types of PEM
7. Discuss the distribution of body water

Answer Briefly

(4x4=16)

8. Food sources and deficiency of iron
9. Classification of foods
10. Explain the dry heat cooking methods
11. Methods of nutrition education

Q P Code: 115010

Section B – Biochemistry

Marks: 25

Short Essays

(2x5=10)

1. Urea cycle
2. Oral glucose tolerance test

Short notes

(2x3=6)

3. Ketone body formation
4. Mitochondria

Differentiate Between

(3x3=9)

5. Aliphatic amino acids and Aromatic amino acids
6. Hepatic and Obstructive jaundice
7. Primary immune and Secondary immune response
