

**First Year B.Sc Nursing Degree Supplementary Examinations
February 2025**

**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. Define BMR and explain the determination and factors affecting BMR
2. Explain the domestic methods of food preservation

Short Notes

(5x4=20)

3. Consequences of overconsumption of fats
4. Classification of protein
5. Discuss the energy requirement in different life stages
6. Factors to be considered during menu planning
7. Food groups

Answer Briefly

(4x4=16)

8. Brief the role of National Institute of Nutrition (NIN) in India
9. Food sources and deficiencies of calcium
10. List the methods for the assessment of nutritional status
11. Prevention of Food Adulteration Act (1954)

Q P Code: 115010

Section B – Biochemistry

Marks: 25

Short Essays

(2x5=10)

1. Give detail significance of alanine aminotransferase (ALT)
2. Explain in detail on sub cellular organelles with neat diagram

Short notes

(2x3=6)

3. Chylomicron
4. Regulation of blood calcium

Differentiate Between

(3x3=9)

5. Bile pigment and Bile salt and give example
6. Hemolytic and Obstructive jaundice
7. Metabolic acidosis and Alkalosis
