

First Year B.Sc Nursing Degree Supplementary Examinations July 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. Classify lipids. Discuss in detail the digestion, absorption and storage of lipids.
2. Discuss in detail the RDA, Functions and deficiency manifestations of vitamin C

Short Notes

(5x4=20)

3. Vitamin A prophylaxis
4. Regulation of fluid and electrolyte balance
5. Balanced diet
6. Integrated child development scheme (ICDS)
7. Functions of calcium

Answer Briefly

(4x4=16)

8. Protein energy malnutrition
9. Prevention of Food Adulteration Act (PFA)
10. Essential amino acids
11. Body mass index

Q P Code: 115010

Section B – Biochemistry

Marks: 25

Short Essays

(2x5=10)

1. Classification of Amino acids-based on nutritional status and metabolic rate
2. Clinical significance of Transaminases

Short notes

(2x3=6)

3. Catabolism of hemoglobin
4. Regulation of blood calcium

Differentiate Between

(3x3=9)

5. Hyperglycemia and Hypoglycemia
6. Essential and Nonessential fatty acid
7. Metabolic acidosis and Alkalosis
