

**First Year B.Sc Nursing Degree Regular/Supplementary Examinations
May 2022**

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. Explain the principles and methods of cooking.
2. Role of a nurse in the assessment of nutritional status.

Short Notes

(5x4=20)

3. Mid-day- meal programme
4. Enumerate the factors affecting BMR
5. Importance of five basic food groups
6. The classification of proteins
7. Digestion of carbohydrates

Answer Briefly

(4x4=16)

8. Sources of fat
9. Scurvy
10. Functions of calcium
11. National nutrition policy.

Q P Code: 115010

Section B – Biochemistry

Marks: 25

Short Essays

(2x5=10)

1. Discuss the regulation of serum calcium.
2. Discuss the formation and fate of ketone bodies

Short notes

(2x3=6)

3. HDL cholesterol
4. Electrophoresis

Differentiate Between

(3x3=9)

5. Metabolic acidosis and metabolic alkalosis
6. Semi essential amino acids and essential amino acids
7. Integral proteins and trans membranous proteins