

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
October 2023****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 Essays****(2x7= 14)**

1. Enumerate the functions of proteins in the body and explain the digestion and metabolism of proteins (3+4)
2. List the purpose of cooking and explain the methods of cooking (2+5)

Short Notes**(5x4=20)**

3. National nutrition policy
4. Factors affecting basal metabolic rate
5. Saturated and unsaturated fats
6. Food adulteration
7. Role of a nurse in nutrition education

Answer Briefly**(4x4=16)**

8. Protein-energy malnutrition
9. Functions of carbohydrates
10. Water balance
11. Pasteurization

Q P Code: 115010**Section B – Biochemistry****Marks: 25****Short Essays****(2x5=10)**

1. Digestion and absorption of lipids
2. Biochemical functions of vitamin C

Short notes**(2x3=6)**

3. Creatine kinase
4. Polysaccharides

Differentiate Between**(3x3=9)**

5. Prokaryotic cell and Eukaryotic cell
6. Compare and contrast between LDL and VLDL
7. Merits and Demerits of enzyme linked immunosorbent assay (ELISA) for measurement of antibodies.
