

**First Year B.Sc Nursing Degree Regular/Supplementary Examinations  
August 2021****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 cookery rules and preservation of nutrients
2. Explain the nurse's role in nutritional education programmes.

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

3. Vitamin D deficiency diseases
4. Prescribe a balanced diet for a diabetic patient
5. List out four functions of carbohydrates
6. Dietary sources of proteins
7. Prevention of dehydration.

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

8. Factors affecting BMR
9. List out role of nutrition in maintaining health
10. Classification of fat
11. Sources of vitamin C.

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

1. Urea cycle
2. Complications of diabetes mellitus

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

3. Chylomicrons.
4. Functions of albumin

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

5. Active transport and passive transport
6. Obstructive jaundice and hemolytic jaundice
7. Lactose and sucrose