

Reg. No: .....

**First Year B.Sc Nursing Degree Supplementary Examinations  
November 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. List the classification of proteins. Briefly describe its digestion and absorption.
2. Explain water balance and its regulating factors.

**(3+4)****Short Notes****(5x4=20)**

3. Explain Elements of nutrition
4. Classification of carbohydrates
5. Functions of fats
6. Effects of vitamin A deficiency
7. Plan a day's menu for an underweight girl

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

8. Brief the role of nutrition in maintaining health
9. Calorie value, RDA and sources of proteins
10. Functions of sodium and iron
11. Define dehydration and oral rehydration therapy

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

1. Digestion and absorption of lipids
2. Structure and functions of immunoglobulin

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

3. Oral glucose tolerance test
4. Rickets

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

5. Bile pigments and Bile salts
6. Type I and Type II diabetes mellitus
7. Passive and Active transport

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