

**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

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
