

**First Year B.Sc Nursing Degree Supplementary Examinations
November 2017
NUTRITION AND BIOCHEMISTRY**

(2010 Scheme)

Time: 3 Hours

Maximum Marks: 75

- Answer all questions
- Write section A (52 Pages) and section B (32 Pages) in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 104010

Section A – NUTRITION

Marks: 50

Essay

(10)

1. Explain protein under the following headings:

- Digestion
- Sources
- Functions
- Deficiencies

Short notes

(5x5=25)

2. Classification of carbohydrate
3. Vitamin D deficiency diseases
4. Define and classify BMI
5. Explain methods of cooking
6. Plan and Discuss a Diet for an Adolescent Girl

Answer Briefly

(5x3=15)

7. Basic concepts of nutrition
8. How human body regulate water balance
9. Importance of fat in our daily life
10. Classification of Foods
11. NIPCCD

Q P Code: 105010

Section B – BIOCHEMISTRY

Marks:25

Essay

(10)

1. Discuss the digestion and absorption of carbohydrates. Add a note on the metabolic disorders associated with carbohydrate digestion. ((3+4+3).)

Short notes

(2x5=10)

2. Atherosclerosis
3. Plasma Protein

Define the following

(5x1=5)

4. Jaundice.
5. Essential amino acids.
6. Obesity.
7. Gluconeogenesis.
8. Metabolic acidosis