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**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

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