

**First Year B.Sc Nursing Degree Examinations, November 2015****NUTRITION AND BIOCHEMISTRY****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 national nutrition policy with its specific goal.

**Short notes****(5x5=25)**

2. Factors affecting Food and Nutrition
3. Deficiency symptoms of thiamine
4. Functions of calcium
5. Prevention of food adulteration act
6. Digestion and absorption of carbohydrates

**Answer Briefly****(5x3=15)**

7. Classification of foods
8. Functions of fats
9. Sources of iron
10. Vitamin A prophylaxis programme
11. Prevention of dehydration

**Q P Code: 105010****Section B – BIOCHEMISTRY****Marks:25****Essay****(10)**

1. What is the normal level of blood glucose. Describe the regulation of blood glucose.

**Short notes****(2x5=10)**

2. Classification of lipids
3. Metabolic acidosis

**Define the following****(5x1=5)**

4. Fluorosis
5. Essential amino acids
6. Important compounds synthesized from tyrosine
7. Beriberi
8. Immunoglobulin E

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