

Reg.No: .....

**First Year B.Sc Nursing Degree Supplementary Examinations, April 2012****NUTRITION AND BIOCHEMISTRY**

Time: 3 Hours

Maximum Marks: 75

- Answer all questions
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

**Q P Code: 001410****Section A – NUTRITION**

Marks:50

**Essay**

(10)

1. Explain the digestion and absorption of proteins. Add a note on functions of proteins.

**Short notes**

(5x5=25)

2. Goitre
3. Assessment of nutritional status of a community
4. Factors affecting basal metabolic rate
5. Food additives and adulteration
6. Scurvy

**Answer Briefly**

(5x3=15)

7. Defined balanced diet
8. List down the sources of calcium
9. What is anemia. Mention any two vitamins which prevent anemia.
10. List out the methods of cooking
11. Give the classification of food

**Q P Code: 001510****Section B – BIOCHEMISTRY**

Marks:25

**Essay**

(10)

1. What is normal serum calcium level. How is it regulated. Add a note on hypercalcemia and hypocalcemia

**Short notes**

(2x5=10)

2. Lipoproteins
3. Biologically important substances synthesized from phenyl alanine

**Define the following**

(5x1=5)

4. Lactose intolerance
5. Indications for oral glucose tolerance test
6. Mitochondria
7. Two important causes of metabolic acidosis
8. Immunoglobulin G.