



Reg.No:.....

First Year B.Sc Nursing Degree Examinations, September 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: 104010**Section A – NUTRITION****Marks:50****Essay****(10)**

1. Explain the sources, daily requirement, factors affecting absorption, metabolism, functions and deficiency of calcium. (1+1+1+1+3+3 = 10)

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

2. Household methods of food preservation.
3. Nutritional status assessment.
4. Functions and deficiency of vitamin A.
5. Methods of cooking.
6. Factors affecting BMR

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

7. NIPCCD
8. Nutrition education to prevent childhood obesity.
9. Source, requirement and functions of folic acid.
10. PEM
11. Functions of carbohydrate.

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

1. Explain the sources, factors affecting absorption and the deficiency manifestations of Iron.

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

2. Oral glucose tolerance test
3. Breakdown of hemoglobin

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

4. Lactose intolerance
5. Diabetes mellitus
6. Normal serum values of urea and creatinine
7. Respiratory alkalosis
8. Hartnup's disease

