

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
