

**First Year B.Sc Nursing Degree Supplementary Examinations, July 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 the role of nutrition in maintaining health

**Short notes**

**(5x5=25)**

2. Role of dietary fiber in human nutrition
3. Protein calorie malnutrition
4. Causes and prevention of flurosis
5. Metabolism of vitamin D
6. Maintenance of fluid and electrolyte balance

**Answer Briefly**

**(5x3=15)**

7. Body mass index
8. List the functions of iron in the body
9. RDA for a lactating women doing moderate work
10. Food preservation by drying
11. Services of ICDS

**Q P Code: 105010**

**Section B – BIOCHEMISTRY**

**Marks:25**

**Essay**

**(10)**

1. Explain the sources, biochemical functions and deficiency manifestations of vitamin C

**Short notes**

**(2x5=10)**

2. Urea cycle
3. Structure of immunoglobulin

**Define the following**

**(5x1=5)**

4. Urinary findings in obstructive jaundice
5. Galactosemia
6. Poly unsaturated fatty acids
7. Hypocalcemia
8. Lysosome

\*\*\*\*\*