

**First Year B.Sc Nursing Degree Examinations, October 2016****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. Define basal metabolic rate. Explain its determination and factors affecting it.

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

2. Classification of proteins
3. Mid-day meal programme
4. Measures taken to prevent anemia in India
5. Importance of water in the body
6. Dietary methods used to assess the nutritional status

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

7. List the functions of vitamin C
8. Explain briefly fat as a medium of cooking
9. Plan a day's menu for an adult woman doing sedentary work
10. Nutrition education
11. Explain the causes of pellagra

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

1. Classify lipoproteins. Describe the metabolism of very low density lipoprotein. Add a note on atherosclerosis.

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

2. Phenyl ketonuria
3. Biochemical derangements in diabetes mellitus

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

4. Micelle
5. Enzymes elevated in myocardial infarction
6. Anion gap
7. Van den Bergh test
8. Scurvy
