

**First Year B.Sc Nursing Degree Supplementary Examinations June 2017****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 menu planning and discuss the factors considered in menu planning.

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

2. Functions, sources and requirement of vitamin B₁₂.
3. Importance of nutrients during pregnancy with a day's sample menu.
4. National nutritional agencies. Mention any two.
5. Functions of carbohydrates.
6. Classification of food.

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

7. Dietary fiber.
8. Functions and requirement of iron.
9. Prevention of food adulteration act.
10. Naturopathy diet.
11. Over hydration and dehydration.

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

1. Dietary sources, biochemical functions and deficiency manifestations of vitamin D

(2+4+4)**Short notes****(2x5=10)**

2. Oral glucose tolerance test
3. Lipoproteins

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

4. Normal fasting blood glucose level
5. Metabolic acidosis
6. Two biologically important compounds formed from tyrosine
7. Two essential fatty acids
8. Epimerism
