

**B.Sc. (Nursing) DEGREE EXAMINATION**  
(New Regulations for the candidates admitted from 2006-07 onwards)

**FIRST YEAR**

**PAPER II – NUTRITION AND BIOCHEMISTRY**

*Q.P. Code: 664702*

**Time : Three Hours**

**Maximum : 75 Marks**

**Answer Section A and Section B Separately**

**SECTION - A**  
**(NUTRITION)**

**I. Elaborate on:** (1 x 15 = 15)

1. Discuss the methods of cooking in detail.

**II. Write notes on:** (4 x 5 = 20)

1. Functions of calcium.
2. Functions and deficiency of vitamin C.
3. Mid-day meal programme.
4. Plan a menu for a pregnant woman.

**III. Short answers on:** (5 x 2 = 10)

1. Define BMR.
2. Two types of weaning foods.
3. What is pellagra?
4. Classification of food.
5. Sources and classification of dietary fibres.

**SECTION - B**  
**(BIOCHEMISTRY)**

**I. Elaborate on:** (1 x 15 = 15)

1. Explain in detail about TCA cycle, its energetics and regulation.

**II. Write notes on:** (1 x 5 = 5)

1. Define lipoprotein and its classification.

**III. Short answers on:** (5 x 2 = 10)

1. Gout disease.
2. What is a suicide bag?
3. Hyper-vitaminosis.
4. Define osmosis.
5. Name the purine and pyrimidine bases.