

**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. Briefly explain about water soluble vitamins.

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

1. Bomb calorimeter.
2. Canning.
3. Amino acids.
4. Nutritional anthropometry.

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

1. Give two functions of carbohydrate.
2. Sources of Iron.
3. Define BMI.
4. What is Trans Fat?
5. Scurvy.

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

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

1. Glycolysis – add a note on its Bio-energetics.

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

1. Glycogen storage disease.

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

1. Power house of the cell.
2. Essential amino acids.
3. Define coenzyme.
4. GTT.
5. List any four macro-minerals.