

[LB 1011]

AUGUST 2012

Sub. Code: 4702

**FIRST YEAR B.Sc – NURSING EXAM**  
**Paper II – NUTRITION AND BIO CHEMISTRY**

*Q.P. Code : 664702*

**Time : Three hours**  
**(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**  
**Answer Section A and Section B Separately**

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

**I. Elaborate on:**

**Pages Time Marks**  
**(Max.) (Max.) (Max.)**

1. Define preservation. Explain canning. Write domestic methods of preservation.

19      33      20

**II. Short Answer on:**

1. Calcium deficiency.
2. Biochemical assessment.
3. Menu Planning.
4. Functions of protein.

3      8      5  
 3      8      5  
 3      8      5  
 3      8      5

**III. Write Notes on:**

1. What is nutritional anaemia?
2. Write types of fibre.
3. List out some Essential amino acids.
4. Sources of potassium.
5. What is active transport?

1      5      2  
 1      5      2  
 1      5      2  
 1      5      2  
 1      5      2

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

**IV. Essay:**

1. Describe the process of glycolysis. Explain How many ATP molecules are formed in anaerobic and aerobic glycolysis

19      33      20

**V. Short Answers on:**

1. Essential Fatty Acids.
2. Plasma proteins.
3. GTT.
4. Enzymes related to cardiac diseases

3      8      5  
 3      8      5  
 3      8      5  
 3      8      5

**VI. Write Notes on:**

1. Phagocytosis.
2. Lysosomes.
3. Hypercholesterolemia.
4. Anti oxidant vitamins.
5. Oxidative Phosphorylation.

1      5      2  
 1      5      2  
 1      5      2  
 1      5      2  
 1      5      2

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