

[KY 824]

Sub. Code: 4884

**B.Sc (Nursing) DEGREE EXAMINATION**  
**(For Trained Nurses)**  
**First Year – Non – Semester**  
**Paper III – BIOCHEMISTRY AND BIOPHYSICS**  
**Q.P. Code : 684884**

Time : Three hours

Maximum : 75 marks

Answer ALL questions.

Answer Section A and B in a SEPARATE answer book.

**SECTION A**  
**(BIOCHEMISTRY)**

**I. Essay:** (1X15=15)

1. Give a detailed account on regulation of blood Glucose level. How is Glucose Tolerance Test (GTT) carried out?

**II. Write Short Notes on :** (3X 5 =15)

1. Ketone Bodies.
2. Plasma proteins.
3. Urea cycle.

**III. Short Answer Questions:** (5X 2 =10)

1. Peroxisomes.
2. Extra cellular fluid.
3. Non reducing disaccharide.
4. Sulphar containing amino acids.
5. Increased enzyme Amylase.

**SECTION B**  
**(BIOPHYSICS)**

**I. Essay:** (1X15=15)

1. Describe briefly the use of various electronic equipments in patient care.

**II. Write Short Notes on :** (2X 5 =10)

1. Pulleys and its types.
2. What is noise pollution? How can it be prevented?

**III. Short Answers Questions:** (5X 2 =10)

1. Myopia and Hypermetropia.
2. Boyle's law and Charle's law.
3. Properties of X-Ray.
4. Law of conservation of energy.
5. Types of lenses.

\*\*\*\*\*