



February 2011

[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. Sulphur 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 Charles's law.
3. Properties of X-Ray.
4. Law of conservation of energy.
5. Types of lenses.

