

[LI 824]

FEBRUARY 2016

Sub. Code: 4884

**POST BASIC BACHELOR OF SCIENCE IN NURSING****DEGREE EXAMINATION****FIRST YEAR - NON SEMESTER****PAPER III – BIOCHEMISTRY AND BIOPHYSICS***Q.P. Code: 684884***Time : Three Hours****Maximum : 75 Marks****Answer Section A and B in a SEPARATE answer book.****SECTION A****(BIOCHEMISTRY)****I. Essay:****(1 x 15 = 15)**

1. Write in detail about Glycogen storage diseases.

**II. Write notes on:****(3 x 5 = 15)**

1. Ribosome
2. Plasma Proteins
3. TCA cycle

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

1. Vitamin C.
2. Difference between DNA & RNA (any two).
3. Give any two Sulphur containing Aminoacids.
4. Biological importance of Lipids.
5. Normal value of Blood, Calcium and Phosphorus.

**SECTION B  
(BIOPHYSICS)****I. Essay:****(1 x 15 = 15)**

1. Describe the Human Visual physiology and write different types of refractory errors and its types of correctiveness.

**II. Write notes on:****(2 x 5 = 10)**

1. What is Friction, how to reduce frictional losses?
2. Explain the Clinical Thermometer.

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

1. Defibrillator.
2. What is Reflection?
3. State the Law of Floatation.
4. Write notes on Electro Cardio Gram (ECG).
5. What is Specific Gravity?