

[PBBSCN 0322]

MARCH 2022
(For August 2021 Session Examination)

Sub. Code: 4884

**POST BASIC BACHELOR OF SCIENCE IN NURSING
DEGREE EXAMINATION**

(Regulations for candidates admitted from 2010-2011 Session onwards)

FIRST YEAR (Regular)**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. Elaborate on:****(1 x 15 = 15)**

1. Explain the urea cycle process in detail.

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

1. Glucose Tolerance Test
2. Factors affecting enzyme activity
3. Hypercholesterolemia.

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

1. Ribosomes.
2. Diabetes mellitus
3. Write the normal levels of amylase & lipase.
4. Classification of Proteins.
5. Hyperkalemia

SECTION - B
(BIOPHYSICS)**I. Elaborate on:****(1 x 15 = 15)**

1. Explain the mercury thermomete Why merc ury is used as thermometer liquid?
Highlight about the clinical thermomete

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

1. Write rules and conventions in the uses of symbols in SI units.
2. Explain: Electrocardiography (ECG).

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

1. Linear momentum
2. State: Pascal's law
3. Relative humidity
4. Power of a lens
5. Diathermy.
