



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:

(1 x 15 = 15)

1. Explain glucose tolerance test with reference to normal, mild, moderate and severe diabetic glucose tolerance test curves.

II. Write Short Notes on :

(3 x 5 =15)

1. Mechanism of enzyme action.
2. Plasma proteins and their functions.
3. Cholesterol.

III. Short Answer Questions:

(5 x 2 =10)

1. Renal glycosuria.
2. Essential fatty acids.
3. Digestive enzymes.
4. Acidosis.
5. Codons and anticodons.

SECTION – B
(BIOPHYSICS)

I. Essay:

(1 x 15 = 15)

1. What is Radio activity? Explain the use of radioisotopes in medicine.

II. Write Short Notes on :

(2 x 5 =10)

1. Pacemaker.
2. Sphygmomanometer.

III. Short Answer Questions:

(5 x 2 =10)

1. State Newton's second law of motion.
2. State the law of floatation.
3. What is traction?
4. What is Doppler effect?
5. Boyle's law and charles law.
