[KV 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: **(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 glycosurea.
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.

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