

3. Long answer questions (Solve any 2 Out of 3) :

[2 × 5 = 10]

- a) Nucleic Acids
- b) Structure of Protein
- c) Electron Transport Chain

SECTION "B" (Biophysics)

4. Short answer questions (Solve any 4 Out of 5) :

[4 × 5 = 20]

- a) Explain the mode of heat transfer with example.
- b) Newton' law of motion.
- c) What is gravity? Explain the clinical applications of gravity in nursing
- d) Describe ECG.
- e) Explain the clinical uses of radioisotopes and radio elements.

5. Long answer questions (Solve any 1 Out of 2) :

[1 × 10 = 10]

- a) Define biophysics. Write the importance of biophysics in nursing.

OR

- b) Discuss ultrasonic sound waves. Write the uses of ultrasound in healthcare practices.

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