

**BACHELOR OF PHYSIOTHERAPY (BPTH)**  
**First Year BPTH : WINTER- 2022**  
**SUBJECT : BIOCHEMISTRY**

Day : Friday

Time : 02:00 PM-04:00 PM

Date : 11/11/2022

**W-25046-2022**

Max. Marks : 40

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the **RIGHT** indicate **FULL** marks.
  - 3) Draw neat diagrams **WHEREVER** necessary.
  - 4) Both the sections should be written in **SEPARATE** answer book.
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**SECTION A**

- Q.1** Short Answer Questions (Attempt **ANY FOUR**) **(4X5=20)**
- a) Glycogen: Glycogenesis and Glycogenolysis.
  - b) Electron Transport Chain (ETC) and its inhibitors.
  - c) Lipoproteins : Classification and functions.
  - d) Hemoglobin : Chemistry, types and functions.
  - e) Isoenzymes .

**SECTION B**

- Q.2** Short Answer Questions (Attempt **ANY FOUR**) **(4X5=20)**
- a) Vitamin D: Sources, Biochemical functions and deficiency manifestations.
  - b) Starvation: Metabolic changes in early and prolonged stages.
  - c) Radioimmunoassay: Principle, working and applications.
  - d) Transamination and Trasmethylation.
  - e) Formation of Uric acid and Gout.

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