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BACHELOR OF PHYSIOTHERAPY
First Year SUPPLEMENTARY : WINTER- 2022
SUBJECT : BIOCHEMISTRY

Day : Wednesday

Time : 02:00 PM-04:00 PM

Date : 28-12-2022

W-25046-2022

Max. Marks : 40

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) Glycolysis: aerobic and anaerobic with energetics.
 - b) HMP shunt: Important steps and significance.
 - c) β oxidation of Palmitic acid (16 C) with energetics.
 - d) Heme catabolism and excretion of bilirubin.
 - e) Enzymes: Definition and factors affecting enzyme activity.

SECTION B

- Q.2** Short Answer Questions (Attempt **ANY FOUR**) **(4X5=20)**
- a) Laboratory diagnosis and monitoring of Diabetes Mellitus.
 - b) BMR(Basal Metabolic Rate, SDA (Specific Dynamic Action).
 - c) Colorimetry : Principle, working, and application.
 - d) Tyrosine : Metabolism ,important compounds formed
 - e) Calcium: Sources, functions and disorders.

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