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Total Number of Pages: 01

SUBJECT NAME: Biochemistry

2nd Semester Regular Examination: 2023-24

Course: BPT

SUB_CODE: 23ABP204

BRANCH: Allied Courses BPT

Q. CODE: A167

Max Time: 1 ½ Hours

Max Marks: 40

Sitting: 1st 10.00 AM to 11.30 AM

All Questions are compulsory. Illustrate answer with diagrams wherever relevant / required

The figures in the right-hand margin indicate marks.

- Q 1 Long Answer Question (Answer any one out of two)** (1 X 10 marks)
- a) Classify Enzymes and give one example from each class. What are different types of enzyme inhibition.
 - b) Describe the sources, biochemical functions, normal requirement and deficiency manifestations of Vitamin D.
- Q 2 Long Answer (Answer any one out of two)** (1 X 10 marks)
- a) Classify Lipids. Mention the structure and function of phospholipids.
 - b) Explain the steps of beta-oxidation of Palmitic acid. Enumerate its energetics.
- Q3 Short Answer Questions (Focused)** (3 x 5 marks)
- a) Beriberi
 - b) Plasma buffers
 - c) Cholesterol
- Q 4 Objective Type (Selection / Supplied)** (1 x 5 marks)
- a) What vitamin is required for absorption of iron in body.
 - b) Deficiency of Vitamin C causes which disease.
 - c) What is normal level of Sodium in serum.
 - d) Name one essential fatty acid.
 - e) Name two plasma proteins.
