



Abhinav Bindra Sports Medicine and Research Institute
BPT 1st Internal Examination for 2nd semesters- July 2026

Date: 09/07/2026

Time: 09:00 AM-10:30 AM

Question Code: E4

Subject: Biochemistry

F.M.: 40 marks

Subject Code: 23ABP204

Long Questions- Answer Any 2 (2 X 10Marks)

1. Explain the important monosaccharides and describe its role in human body. Write the chemical property of glucose.
2. Classify proteins. Write the structural classification with example, properties, function of protein.
3. Explain the carbohydrate metabolism.
4. Explain the water and electrolytes balance in human body

Short Questions- Answer Any 3 (3 X 5Marks)

5. Define enzymes and explain their importance in biochemical reactions.
6. List the key functions of cholesterol in the human body.
7. Describe the structural features of mitochondrial DNA.
8. Explain the role of B-complex vitamins in energy metabolism.
9. What is the role of buffers in maintaining physiological pH?
10. Differentiate between saturated and unsaturated fatty acids.

11. Objective type Questions- Answer all (5 X 1Mark)

- a) The primary form in which energy is stored in muscle cells is called _____.
- b) The enzyme primarily responsible for starch digestion is _____.
- c) Glycogen is mainly stored in the _____ and _____.
- d) The main function of haemoglobin is to transport _____.
- e) Vitamin D is synthesized in the skin upon exposure to _____.