



**GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, ODISHA, GUNUPUR
(GIET UNIVERSITY)**

B. Pharm. (Second Semester - Regular) Examinations, August - 2026

BP205T - Computer Application in Pharmacy

Time: 2 hrs.

Maximum: 50 Marks

Answer ALL questions

(The figures in the right hand margin indicate marks)

PART – A

(2 x 10 = 20 Marks)

Q.No. 1. Answer **ANY TWO** questions (Long Answer Question)

- Describe the complete process of information-system development, including information gathering, requirement analysis, feasibility analysis, DFD, process specification, input/output design and system life cycle.
- Discuss Chromatographic Data Systems (CDS), Laboratory Information Management Systems (LIMS), and Text Information Management Systems (TIMS) in pharmaceutical industries.
- Explain the role of computers in Hospital Pharmacy, Clinical Pharmacy, and Pharmacokinetic studies.

PART – B

(6 x 5 = 30 Marks)

Q. No.2. Answer **ANY SIX** questions (Short Answer Question)

- Explain web technologies in detail, with special reference to HTML, XML and CSS, and discuss their applications in pharmacy.
- Discuss the role of Patient Monitoring Systems in healthcare.
- Discuss Laboratory Information Management System (LIMS).
- Describe biological databases used in pharmaceutical research.
- Describe Electronic Prescribing (EP) systems and their advantages.
- Explain one's complement and two's complement methods with suitable examples.
- Write a short note on applications of Bioinformatics in pharmacy.
- Explain the concept and purpose of a Data Flow Diagram (DFD).

--- End of Paper ---