



End Term (Even) Semester Examination May-June 2025

Roll no.....

Name of the Course and semester: B. Pharm II Semester

Name of the Paper: Computer Applications in Pharmacy

Paper Code: BP 205T

Time: 2.0 hour

Maximum Marks: 50

Note:

- (i) This question paper contains two sections
- (ii) All the sections are compulsory
- (iii) All questions should cover COs of the course as per syllabus coverage.

Section A

Short Questions: Attempt any six questions.

6x5 = 30 marks

SN	QUESTIONS	CO's
1	Explain feasibility analysis in software development. What are its different types?	CO 1
2	Explain the stepwise process of converting a decimal number to its binary equivalent with an example.	CO 1
3	How is a pharmacy drug database useful in the healthcare system?	CO 2
4	Differentiate between HTML and XML?	CO 2
5	What is a patient monitoring system? Give examples of its applications in healthcare.	CO 3
6	How does mobile technology assist in adherence monitoring for patients?	CO 3
7	How does bioinformatics contribute to vaccine development?	CO 4
8	What is the role of Chromatographic Data Systems (CDS) in preclinical drug development?	CO 5

Section B

Long questions: Attempt any two questions

2x10 = 20 marks

SN	QUESTIONS	CO's
1	Describe binary arithmetic operations (Addition, Subtraction, Multiplication, and Division). Explain the One's complement and Two's complement methods for binary subtraction with examples.	CO 1
2	Explain the concept of bioinformatics, its objectives, and its significance in pharmaceutical research. Discuss how bioinformatics databases play a crucial role in drug discovery.	CO 4
3	What is a Text Information Management System (TIMS)? Describe its significance in handling unstructured data in pharmaceutical research and compare its functionalities with LIMS.	CO 5