Name: **Enrolment No:**	

UPES

End Semester Examination, May 2025

Course: Computer Applications in Pharmacy **Course Code: BP205T**
Semester: 2nd **Duration: 2 Hours**
Program: B. Pharm. **Max. Marks: 50**

Instructions: Read all the questions carefully. Follow the instructions mentioned against each section.

SECTION A
(2Qx10M=20 Marks)

Long Answers (Answer 2 out of 3)

Q1.	Discuss the basic applications of computers in pharmacy.	**10**	**CO3**
Q2.	Perform the following binary operations: **a)** Add $(1011)_2$ with $(0110)_2$ **b)** Subtract $(10011)_2$ with $(00111)_2$ **c)** Multiply $(1101)_2$ with $(10)_2$ **d)** Solve $(01111100)_2 \div (0010)_2$	 **2.5** **2.5** **2.5** **2.5**	**CO1**
Q3.	Explain the importance of pharmacokinetics and mathematical models in drug design. Discuss the role of computational approaches in predicting drug absorption, distribution, metabolism, and excretion (ADME)?	**10**	**CO4**

SECTION B
(6Qx5M=30 Marks)

Short Answers (Answer 6 out of 8)

Q4.	Explain in brief input and output design.	**5**	**CO1**
Q5.	Discuss in detail, Laboratory Information Management System (LIMS).	**5**	**CO5**
Q6.	Discuss the anatomy of HTML tags and elements.	**5**	**CO2**
Q7.	List the characteristics of a programming language. State the name of some of the most popular programming languages.	**3** **2**	**CO2**
Q8.	Outline the goals of a Web Server. State the name of some of the most popular web servers.	**3** **2**	**CO5**
Q9.	Describe the term "Process" in context of operating system?	**5**	**CO4**
Q10.	**a.** Convert the decimal number, 347 to binary numbers form. **b.** Convert the binary number, $(1001001)_2$ to decimal form.	**2.5** **2.5**	**CO1**
Q11.	Describe the term electronic prescriptions? List its benefits.	**2** **3**	**CO3**