Name:	
Enrolment No:	

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.	What are basic applications of computers in pharmacy.	10	CO3
Q2.	Perform the binary addition, subtraction, multiplication, and division on the following. 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.	Briefly explain the impact of bioinformatics in discovery of vaccines.	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.	Give the characteristics of a programming language. Name some of the most popular programming languages.	3 2	CO2
Q8.	Write about the goals of a Web Server. List some of the most popular web servers.	3 2	CO5
Q9.	What is a Process in an 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.	What are electronic prescriptions? List benefits of electronic prescriptions.	2 3	CO3