Code: 23BP204T

R23

B.Pharm I Year II Semester (R23) Supplementary Examinations March 2026

COMPUTER APPLICATIONS IN PHARMACY

(B.Pharmacy)

Time: 3 hours Max. Marks: 70

PART – A

(Compulsory Question)

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1		Answer the following: (10 X 02 = 20 Marks)	
	(a)	How to represent a given number into Hexadecimal.	2M
	(b)	Show the steps for binary subtraction.	2M
	(c)	Quote usage of IIS web server.	2M
	(d)	Devise CSS types.	2M
	(e)	List out tools used in Clinical Pharmacy.	2M
	(f)	State advantages of Pharma Information System.	2M
	(g)	Discover the characteristics of Bioinformatics Databases.	2M
	(h)	Recall the objectives of Bioinformatics.	2M
	(i)	What is the role of computers in Preclinical development?	2M
	(j)	How to represent Chromatographic data?	2M

PART – B

(Answer all the questions: 05 X 10 = 50 Marks)

2	(a)	Write steps for conversion decimal to binary using an example.	5M
	(b)	State the rules for binary division and solve the given 01111100 ÷ 0010 numbers.	5M
		OR	
3	(a)	Present an example for binary to decimnal number.	5M
	(b)	Show applications for Two's complement method.	5M
4	(a)	Discuss about the need for Internal CSS. Give an example.	5M
	(b)	What is Drug Database? Specify its applications.	5M
		OR	
5	(a)	What is an XML tag? Give reasons for using XML tags.	5M
	(b)	How to process the drug data using MS ACCESS?	5M
6	(a)	Explain in detail about the Drug information retrieval.	5M
	(b)	Explain functions of Patient Monitoring System.	5M
		OR	
7	(a)	Discuss about functions of an Automated dispensing of drug system.	5M
	(b)	Explain functions of Lab Diagnostic System.	5M
8	(a)	Explain the impact of Bioinformatics in Vaccine discovery.	5M
	(b)	Elaborate about Bioinformatic databases.	5M
		OR	
9	(a)	Illustrate the working of Bioinformatics Databases.	5M
	(b)	Explore the concept of Bioinformatics.	5M
10	(a)	Explain working of Text Information Management System.	5M
	(b)	Discuss the features of Laboratory Information Systems.	5M
		OR	
11	(a)	Elaborate the scope for data analysis in Preclinical development.	5M
	(b)	How is chromatography is used for data analysis explain it?	5M

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Code: 23BP204T

R23

B.Pharm I Year II Semester (R23) Regular & Supplementary Examinations September/October 2025

COMPUTER APPLICATIONS IN PHARMACY

(B.Pharmacy)

Time: 3 hours Max. Marks: 70

PART – A

(Compulsory Question)

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1		Answer the following: (10 X 02 = 20 Marks)	
	(a)	Convert binary number 1010111100 into octal number.	2M
	(b)	State applications of One's complement.	2M
	(c)	Show the syntax for <table>.	2M
	(d)	How to create user in MYSQL database?	2M
	(e)	What is Pharmacokinetics?	2M
	(f)	What is the scope for Mathemetical Model in Drug design?	2M
	(g)	List objectives of Bioinformatics.	2M
	(h)	Discover the applications for Bioinformatics.	2M
	(i)	What is the role of computers in Preclinical development?	2M
	(j)	How to represent Chromatographic data?	2M

PART – B

(Answer all the questions: 05 X 10 = 50 Marks)

2	(a)	How to convert decimal number into binary number?	5M
	(b)	Present an example for adding two binary numbers.	5M
		OR	
3	(a)	How to convert an octal number into a binary number?	5M
	(b)	Write steps involved for binary subtraction.	5M
4	(a)	What is an xml schema? Create an example for a book object.	5M
	(b)	Discuss about Server Products.	5M
		OR	
5	(a)	What is an external CSS? Give an example of the same.	5M
	(b)	Discuss about the data processing using MS ACCESS.	5M
6	(a)	Explain in detail about the Drug information storage.	5M
	(b)	How to deal with the Electronic Prescribing systems.	5M
		OR	
7	(a)	Explain functions of Patient Monitoring System.	5M
	(b)	Discuss about functions of an Automated dispensing of drug system.	5M
8	(a)	Elaborate about Bioinformatic databases.	5M
	(b)	Explain the impact of Bioinformatics in Vaccine discovery.	5M
		OR	
9	(a)	Explore the concept of Bioinformatics.	5M
	(b)	Illustrate the working of Bioinformatics Databases.	5M
10	(a)	Discuss the features of Laboratory Information Systems.	5M
	(b)	Elaborate the scope for data analysis in IMS.	5M
		OR	
11	(a)	Explain working of Text Information Management System.	5M
	(b)	Differentiate between LIMS and CDS.	5M

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Code: 23BP204T

R23

B.Pharm I Year II Semester (R23) Supplementary Examinations April/May 2025

COMPUTER APPLICATIONS IN PHARMACY

(B.Pharmacy)

Time: 3 hours Max. Marks: 70

PART – A

(Compulsory Question)

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1		Answer the following: (10 X 02 = 20 Marks)	
	(a)	Convert the given binary number of 111 to the octal format.	2M
	(b)	Explain 1's complement with an example.	2M
	(c)	Define HTML, XML, CSS.	2M
	(d)	What are the uses of the anchor tag in HTML?	2M
	(e)	What is meant by Drug Information storage?	2M
	(f)	Explain Lab Diagnostic System.	2M
	(g)	Describe the concept of BioInformatics.	2M
	(h)	Write an impact of vaccine discovery in bioinformatics.	2M
	(i)	Define data analysis.	2M
	(j)	What is LIMS?	2M

PART – B

(Answer all the questions: 05 X 10 = 50 Marks)

2	(a)	Explain procedure Convert Decimal to Binary number system.	5M
	(b)	Define binary division with an example.	5M
		OR	
3	(a)	Define and explain the concept of Two's complement method with an example.	5M
	(b)	Explain the procedure of octal to binary conversion with an example.	5M
4	(a)	Explain the differences between SQL and MySQL.	5M
	(b)	Define Pharmacy drug database in detail.	5M
		OR	
5	(a)	Write a short notes on web servers and server products.	5M
	(b)	Explain the concept of MS ACCESS.	5M
6	(a)	How does the Barcode Labels work? Write benefits of Barcodes.	5M
	(b)	Define the concepts of Mobile technology and adherence monitoring.	5M
		OR	
7	(a)	Describe the mathematical model of Pharmacokinetics in drug design.	5M
	(b)	Explain Patient monitoring system and mention its benefits.	5M
8	(a)	List out the objectives of Bioinformatics.	5M
	(b)	Justify the term Bioinformatics with a best example.	5M
		OR	
9	(a)	Briefly explain how does bioinformatics impact healthcare.	5M
	(b)	List out the differences between primary and secondary bioinformatics databases.	5M
10	(a)	Explain Text Information Management System.	5M
	(b)	What are the five core functions of a LIMS system?	5M
		OR	
11	(a)	Explain about Chromoto graphic data analysis.	5M
	(b)	What is the role of computers as data analysis in preclinical development?	5M

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Code: 23BP204T

R23

B.Pharm I Year II Semester (R23) Regular Examinations September 2024

COMPUTER APPLICATIONS IN PHARMACY

(B.Pharmacy)

Time: 3 hours Max. Marks: 70

PART – A

(Compulsory Question)

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1		Answer the following: (10 X 02 = 20 Marks)	
	(a)	In the system of base 10 find the largest digit.	2M
	(b)	Find the binary equivalent of the decimal 51.	2M
	(c)	Explain PROMPT, HEAD commands.	2M
	(d)	What is MySQL and how does it differ from other relational databases?	2M
	(e)	Explain Pharma Information system.	2M
	(f)	What is meant by automated dispensing of drugs?	2M
	(g)	What is objective of bioinformatics?	2M
	(h)	Define Bioninformatic database.	2M
	(i)	What is TIMS?	2M
	(j)	Define CDS.	2M

PART – B

(Answer all the questions: 05 X 10 = 50 Marks)

2	(a)	Explain Binary multiplication rules, Types, steps with examples.	5M
	(b)	Prove that 110000_2 divided by 1000_2 is 110_2. Prove this statement by converting binary numbers into decimal systems.	5M
		OR	
3	(a)	Explain the procedure conversion from binary to octal with an example.	5M
	(b)	What is meant by hexadecimal systems?	5M
4	(a)	What are various ways to create an index in SQL?	5M
	(b)	Explain programming languages to implement bioinformatics.	5M
		OR	
5	(a)	What is DBMS? Explain characteristics and applications of DBMS.	5M
	(b)	Explain about HTML and CSS.	5M
6	(a)	Describe Drug information storage and retrieval with different types of storage media's.	5M
	(b)	Explain Electronic Prescribing and Discharging system.	5M
		OR	
7	(a)	List out the differences between Clinical and Hospital Pharmacy.	5M
	(b)	Explain the concept of Diagnostic and Lab diagnostic systems.	5M
8	(a)	Define the impact of Bioinformatics in vaccine discovery.	5M
	(b)	Briefly explain the types of bioinformatics databases.	5M
		OR	
9	(a)	What are the concepts of Bioinformatics?	5M
	(b)	List out the applications of the bioinformatics.	5M
10	(a)	Explain the concept of Laboratory Information Management System.	5M
	(b)	What is the role of computer in data analysis?	5M
		OR	
11	(a)	List out the differences between TIMS and LIMS.	5M
	(b)	How is chromatography is used for data analysis explain it?	5M

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