CLASS: BPHARM   SEMESTER: II
BRANCH: PHARMACY   SESSION: SP/18

SUBJECT: BP2009 COMPUTER APPLICATIONS IN PHARMACY

TIME: 3. Hours   FULL MARKS: 60

INSTRUCTIONS:
1. The question paper contains 7 questions each of 12 marks and total 84 marks.
2. Candidates may attempt any 5 questions maximum of 60 marks.
3. The missing data, if any, may be assumed suitably.
4. Before attempting the question paper, be sure that you have got the correct question paper.
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

Q.1(a)	Explain different ways of integer representation in computer memory with example.	[2]
Q.1(b)	(i) Add 0.93469×10^5 and 0.67321×10^3	[4]
	(ii) Add 0.5432×10^6 and 0.6351×10^5	
Q.1(c)	Perform using Signed Binary number system	[6]
	Add $(-1024)_{10}$ and $(-1024)_{10}$ = ( )$_2$	
	Perform :	
	(i) $(1)_8 \times (0.1101)_2$ = ( )$_{10}$	
	(ii) $(1010.A)_{16}$ + $(1111.F)_{16}$ – $(1100.C)_{16}$ = ( )$_{16}$	
Q.2(a)	Explain the importance of Requirement Analysis.	[2]
Q.2(b)	Elaborate various activities that are carried out during Software Project Planning.	[4]
Q.2(c)	Describe the various steps of Requirement Engineering. Is it essential to follow all the steps. Justify your answer.	[6]
Q.3(a)	What are the naming Rules in XML?	[2]
Q.3(b)	What are programming Languages? Explain the advantages & disadvantages of using high level languages& low level languages. What are the differences of Compiler and Interpreter?	[4]
Q.3(c)	Create a catalog for Telephone Directory, which will provide the services to the customer using HTML.	[6]
Q.4(a)	Write all steps using MS-Access through Forms to enter data in database file with the following entity name and data type. Name, Age, Department, Grade, Roll_No, Neme, Semester.	[2]
Q.4(b)	What is Database and Database System? Compare file-oriented system and Database System.	[4]
Q.4(c)	A university has decided to engage a Software Engineering company for automation of Hostel Management System of its entire hostels. The following documents are to be prepared be first by the company.	[6]
	(i) Problem Statement (ii) Context Diagram (iii) Data Flow Diagram	
Q.5(a)	Define DBMS? What are the advantages and disadvantage of using Database Management System.	[2]
Q.5(b)	Explain Electronic Prescription and discharge Management System. What are the advantage and disadvantage of them using in the system?	[4]
Q.5(c)	If Mobile Technology is implemented in Pharmacy in current environment, what steps are to be followed and what are its benefits. Justify you answer.	[6]
Q.6(a)	Elaborate Diagnostic System for the patient.	[2]
Q.6(b)	What steps are necessary in case of emergency to monitor the patient already admitted in the hospital? Explain in details.	[4]
Q.6(c)	How Bio-Informatics Data are useful? How it is helpful for the new drug discovery? Explain in details.	[6]
Q.7(a)	Why Text Information System in helpful in Pharmacy Industries? Justify your answer.	[2]
Q.7(b)	Explain the Role of Clinical Pharmacy.	[4]
Q.7(c)	What are the role actually plays Laboratory data in pharmaceutical industry in drug discovery and patient treatment? Justify your answer.	[6]