

02/07/19

ASSAM SCIENCE AND TECHNOLOGY UNIVERSITY  
(GIRIJANANDA CHOWDHURY INSTITUTE OF  
PHARMACEUTICAL SCIENCE)

Assistant Librarian  
End Semester Examination Bina Chowdhury Central Lib.  
Non University Examination (GIMT & GIPS)  
B. Pharm 2<sup>nd</sup> Semester (June 2019) Guwahati - 781017

Subject: Computer Application in Pharmacy  
Code no: BP205T

Time- 2hours

Full Marks: 50

A. Answer any two out of the following:

2 x 10 = 20

(a) What is high level programming language? Give the advantages and disadvantages of high level language. Write a program in C to check if a number is even or not.

(b) Write in brief about the types, components of drug information storage and different types of information retrieval.

(c) What are functions of hospital pharmacy? Write a few applications of computer in hospital pharmacy.

B. Answer any six out of the following:

6 x 5 = 30

(i) Explain the working of computer simulation methods in pharmacokinetics and pharmacodynamics.

(ii) What are the uses of XML? How is it different from HTML?

(iii) What are the steps involved in converting a binary number to octal? Explain with the help of an example.

(iv) Show the different cases of binary addition. Add  $111_2$  and  $10101_2$ .

(v) What is an information system? Describe the types of information system.

(vi) What are the two types of DFD and what are the components of a DFD?

(vii) Describe six components of MS Access Database.

(viii) What is patient monitoring system? What are the two types of patient monitoring system?