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

Non University End Semester Examination
B. Pharm 2nd, 3rd (lateral) Semester (December 2020)
Subject: Computer Application in Pharmacy
Code no: BP205T

Time = 2 hours

Full Marks: 35

A. Answer any one out of the following: $\qquad$ 1 x 10= 10

(a) What do you mean by bioinformatics? Explain the importance of bioinformatics in the discovery of vaccine.

(b) What is Pharmacokinetics? How can computers be used in the in the field of pharmacokinetics and pharmacodynamics?

(c) Convert the following to its binary equivalents:

(i) 17_{10} (ii) 10.625_{10} (iii) $9AF_{16}$ (iv) 236_8 (v) 0.1_{10}

B. Answer any five out of the following: 5 x 5= 25

(1) Describe 5 components of MS Access Database.

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

(3) Add the following: (i) 111_2 and 1001_2

(ii) 10101_2 and 11_2

(4) Write short notes on any one of the following:

    (i) Evolution of CDS – from 1st generation to present day CDS

    (ii) The three distinctive features of LIMS

(5) What is text information management system? What are its benefits?

(6) What are the four project management metrics? Describe.

(7) What do you mean by process lifecycle? Describe the various steps of a process lifecycle with the help of a diagram.

(8) What is drug information storage and retrieval? Describe briefly the types of information retrieval.