B.Sc. (Part-I) Private
Term End Examination, 2019-20
COMPUTER SCIENCE
Paper - II

Time:- Three Hours]   **[Maximum Marks: 50**

Note: Answer **all** questions. All Question carry equal marks.

Unit-I

1.   (a)   Explain 'C' Tokeus with example
     (b)   Explain unformatted I\O functions with example.

OR

(a)   What do you mean by data types? Explain various data types with example.

(b)   Define operator Explain arithmetic, Relational and Logical operator with suitable example

Unit-II

2.   (a)   Explain various types of loops used in 'C' with example.
     (b)   Explain break and continue statement with example.

OR

(a)   Describe switch statement Write a program to check whether given letter is vowel or consonant using switch.
(b)   What is user defined function? Explain various categories of function used in 'C'

Unit-III

3.   (a)   How is an array declared and initialized? Write a program to print addition of two sequence matrix.
     (b)   Explain the following string functions :
         (i) strcat ( )   (ii)   strcpy ( )   (iii)   strcmp ( )   (iv)   strlen ( )

OR

(a)   Explain the following:- (i)   Enum   (ii)   union
(b)   Explain structure write a program in 'C' to define a structure book with b-name, Price and author Input data for 2 book and display.

Unit-IV

4.   (a)   Explain pointers. what is the use of * and & operators in pointer
     (b)   Explain pointer arithmetic with suitable example.

OR

(a)   What is dynamic memory allocation? Explain malloc ( ) and Calloc ( ) functions with example.

(b)   Explain passing pointers in function argument with example.

Unit-V

5.   (a)   What is files? Explain various file modes used is 'C'
     (b)   Explain the following functions:
         (i)   ƒopen ()(ii)   ƒclose ()   (iii)   ƒseek () (iv)   ƒtell ()

OR

(a)   Explain various file accessing functions in 'C' with example.