AH-1135 CV-19 ⩔

B.Sc. (Part-I)

Term End Examination 2019-20

COMPUTER SCINECE

Paper-II

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

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

Unit-I

(1) (a) What is 'C' Token? Explain.   5

(b) What are data types in C- language? Explain.   5

OR

(a) What do you understand by precedence of operators and their associability?   5

(b) What is the difference between operators and expressions?   5

Unit-II

(2) (a) What do you understand by control structure?   5

(b) Write a Program in 'C' to find out whether a number is odd or even.

OR

(a) Write a program in 'C' language to find factorial of a number.   5

(b) What do you mean by call by value and call by reference?   5

(3). (a) Write a 'C' program to read a word and determine whether the word is palindrome or not?   5

(c) Discuss the following terms.

     (i)   Strcmp ( )   (ii)   Strcpy ( )   (iii)   Strcat ( )   5

OR

(a) Write short noter on enum.   5

(b) What is Union? What is different from structure? Explain with a example.   5

Unit-IV

(4) (a) Write a program using pointer to add two variable a = 10 and b = 20 by using two pointer 'p' and 'q' for variable "a" and "b" respectively

(b) What is pointer? How it is initialized? Explain pointer to pointer with example.   5

OR

(a) Short notes on arithmetic operations on pointers.   5

(b) Write a program to calculate the sum of all numbers in a given matrix using pointers [take suitable example]   5

Unit-V

(5) (a) What are pre-processors? List out pre-processor directives of 'C' language.   5

(b) Explain the following functions.

(1)   fseek   (2)   ftell   (3)   rewind ( )   (4)   feof ( )

OR

(a) Write short notes on following.   5

(1)   # else   (2)   # if   (3)   # endif   (4)   # elif

(b) Explain the usage of fputs ( ) and f gets ( ) function.