E–3578

B. Sc. (Part I) EXAMINATION, 2021

(New Course)

COMPUTER SCIENCE

Paper Second

(Programming in "C" Language)

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

Note : Attempt all the *five* questions. One question from each unit is compulsory. All questions carry equal marks.

Unit—I

1. What do you mean by an operator ? Explain various types of operators in 'C' language with example.

Or

Describe any *five* unformatted I/O functions with example.

Unit—II

2. Explain looping structures of 'C' language. Write a C program to check and display all even numbers between 1 to 20 using for loop.

Or

What is recursive function ? Write a program to find Simple Interest using defined function.

P. T. O.

Unit—III

3. What do you mean by an array ? Write a program to store and display any five values using an array.

Or

Differentiate structure and union with suitable example.

Unit—IV

4. Explain the following :
   (i) Valid Pointer
   (ii) Dynamic memory allocation functions.

Or

Explain the following :
   (i) Pointer to pointer
   (ii) Array of pointer.

Unit—V

5. How to write and read operations performed on file ? Explain with suitable 'C' program.

Or

Explain the use of following :
   (i)   beof ( )
   (ii) fgetc ( )
   (iii) fflush ( )
   (iv) # define
   (v)   # ifndef