J-265

B.C.A. (Part-I) Examination, 2021

PROGRAMMING IN "C" LANGUAGE

Time Allowed : Three Hours

Maximum Marks : 100

Minimum Pass Marks : 40

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

UNIT-I

Q. 1. What are operators? Discuss various types of operators with suitable example. **20**

OR

Write a program for Calculating simple interest, addition of two numbers, finding odd or even number with switch-case-default statement.

UNIT-II

Q. 2. Write a program for calculating the factorial of five using call by reference method. **20**

OR

Write a program to find the length of entered string and concatenation of two strings.

UNIT-III

Q. 3. What is structure? Discuss the concept of nested structure with suitable example & program. **20**

OR

Write a program to display the information of employee like eid, ename, econtact, eaddress with the help of union.

UNIT-IV

Q. 4. What is Pointer? Write a program for addition of two number using pointer to pointer concept. **20**

(3)

OR

What is Dynamic Memory Allocation? Explain calloc

and malloc with syntax and example.

UNIT-V

Q. 5.   What is File Pointer? Explain fopen ( ) and fclose ( )

function with program.   **20**

OR

What is pre-processor directive? Discuss #include

& #define with suitable example & program.

———————