ED-1002

Diploma in Computer Application
1st Semester Examination, March-April 2021

Paper - III

Programming in 'C'

Time : Three Hours]　　　[*Maximum Marks* : 100
　　　　　　　　　　　　　[*Minimum Pass Marks* : 33

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (*a*) What is Data type ? Explain primitive data type with example.

   (*b*) Write a C program to reverse a number for example if input is 123, then output should be 321.

   (*c*) Write short notes on the following :

   (*i*) Header file

   (*ii*) Input and output statement

DRG_144_(3)　　　　　　　　　　*(Turn Over)*

(2)

Unit-II

2. (*a*) What do you mean by Operator in 'C' language ? Explain arithmetic operator with suitable example.

 (*b*) Write a C program to print numbers upto 20 divisible by 4.

 (*c*) Explain increment and decrement operator using example.

Unit-III

3. (*a*) What do you mean by control statement in C language ? Explain the working of nested-if-else with example.

 (*b*) Write a program for simple calculator for addition (+), subtraction (−), multiplication (×) and division (/) operation using switch case.

 (*c*) Write short notes on the following :
 (*i*) Continue
 (*ii*) Go-to statement
 (*iii*) Break
 (*iv*) 1-D array

Unit-IV

4. (*a*) What do you mean by function ? Explain the various types of function.

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(3)

(*b*) What do you mean by structure and union ? How structure is different from union ?

(*c*) Write a C program to add two numbers using function.

Unit-V

5. (*a*) What is Pointer ? Explain void pointer using suitable example.

(*b*) Explain pointer arithmetic using suitable example.

(*c*) Write short notes on the following :

(*i*) Pointer to pointer

(*ii*) Array of pointer

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