

FD-1002

DCA 1st Semester Examination, Dec.-Jan., 2021-22

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) Explain the structure of 'C' programming.
 - (b) Write a program to show the use of input and output statements.
 - (c) Describe primitive data types of 'C' language.

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(Turn Over)

Unit-II

- **2.** (a) Write a program to show the use of arithmetic operator.
 - (b) What are the roles of operator? Describe the different types of operator.
 - (c) What is premptive data type? Explain.

Unit-III

- **3.** (a) Write a program to check factorial of any number.
 - (b) Explain any two control statements with suitable example.
 - (c) Write short notes on the following:
 - (i) Continue statement
 - (ii) Go-to statement

Unit-IV

- **4.** (a) Explain any one user define and one library function with example.
 - (b) Write the difference between structure and union.
 - (c) Write a short note on 'Structure within Structure'.

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(Continued)

Unit-V

- **5.** (a) What is Pointer? Write a program to demostrate the use of pointer.
 - (b) Write a program to demonstrate the use of two dimensional array.
 - (c) Write short notes on the following:
 - (i) Void pointer
 - (ii) Address operator

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