FD-1007

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

Paper - II

Programming in 'C'

Time : Three Hours]   [*Maximum Marks* : 100

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

Unit-I

1. (*a*) Explain the operator precedence and associativity.

   (*b*) Explain the variable and constant with suitable example.

   (*c*) Explain the different types of character formatting in 'C' with suitable example.

(2)

Unit-II

2. (*a*) Write a programme to cheek a given number is even number or odd number.

   (*b*) Write a programme to display a table of any given number.

   (*c*) Explain the break and continue statement with suitable example.

Unit-III

3. (*a*) What is function ? Explain with suitable example.

   (*b*) Write a programme to addition of two matrix. (assume 3×3 matrix)

   (*c*) Differentiate between iteration and recursion with suitable example.

Unit-IV

4. (*a*) What is pointer ? Explain pointer authentication with suitable example.

   (*b*) What is pointer to pointer ? Explain with suitable example.

   (*c*) Write a programme to sort the string using pointer.

Unit-V

5. (*a*) What is structure ? How to initialize the structure element ? Explain with suitable example.

(3)

(*b*) Write a programme to pass a structure as an argument in a function.

(*c*) Explain the array of structure with suitable programme.

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