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DCA Examination, 2022

PROGRAMMING IN C LANGUAGE

Time Allowed : Three Hours

Maximum Marks : 100

Minimum Passing Marks : 40

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

Unit - I

1. What do you mean by Programming Language ? Describe types of Programming Language.

OR

Describe various types of conditional statements with example.

Unit - II

2. What do you mean by Pointer ? Write the use of pointer variable. Explain the difference between Pointer and Function with example.

OR

What is Control structure ? Explain the Switch and Break statement with Syntax and Example.

Unit - III

3. What is Array ? Explain the array of string, array of pointer and multidimensional array with example.

OR

Write short notes on the following :

(a) Pointer and String

(b) Pointer to Pointer

(c) Array and Function

(d) Pointer Constants

Unit - IV

4. What do you mean by Structure ? Explain the pointer to structure with example.

OR

(a) Describe Array of structure.

(b) Describe an Union. How it is differ from structure ?

Unit - V

5. What are the Principles of OOPS ? Describe.

OR

(a) What is Dynamic Memory Allocation ? What is the use of Library function for Dynamic Memory Allocation.

(b) Describe File Handling in 'C'. What are the major functions used in File Handling ?

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