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**F - 1884**

**DIPLOMA IN COMPUTER APPLICATION**

**(FIRST SEMESTER)**

**EXAMINATION, Dec. - Jan., 2021-22**

(New Course)

**PROGRAMMING IN 'C' LANGUAGE**

(DCA-103)

**Time : Three Hours]**

**[Maximum Marks : 100**

**[Minimum Pass Marks : 33**

**Note : Attempt any two part from each unit.**

**All question carry equal marks.**

**(Unit - I)**

1. (A) Describe data types of 'C' Language.
- (B) Write a program for addition of two numbers.
- (C) Explain Structure of 'C' in brief.

**(Unit - II)**

2. (A) Write a Program to show the use of assignment - operator.
- (B) Explain various operators.

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- (C) Explain relational operator using example of a program.

**(Unit - III)**

3. (A) Write a program to generate natural number series upto  $n$  term.
- (B) What is control statements. Explain by an example.
- (C) Write a program to show the use of string function.

**Unit - IV**

4. (A) What is array? Explain by example.
- (B) Explain insertion and deletion in array.
- (C) Explain functions and their parameters.

**Unit - V**

5. (A) What is the pointer? Explain referencing pointer?
- (B) Write a program to calculate factorial of any number using pointer.
- (C) Describe pointer and string through example.

**P.T.O.**

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