

Roll No. ....

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**D-3625**

**B. Sc. (Part I) EXAMINATION, 2020**

**(Old Course)**

INFORMATION TECHNOLOGY

Paper Second

**(Programming Concept Using C Language)**

*Time : Three Hours ]*

*[ Maximum Marks : 50*

**Note :** Attempt any *two* parts from each Unit. All questions carry equal marks.

**Unit—I**

1. (a) What is C programming language ? Explain its importance.
- (b) What is flow chart ? Explain with suitable example.
- (c) What is the difference between Compiler and Interpreter ?

**Unit—II**

2. (a) Explain the basic data types associated with C.
- (b) What is the use of header file in C language ? Explain.
- (c) Write a C program to check whether the character is alphabet or digit.

**Unit—III**

3. (a) What are the operators in C ? Explain.

- (b) What is increment operator in C ? Write a suitable program.
- (c) Explain nested loop with suitable program.

**Unit—IV**

4. (a) Explain the working concept of call by value and call by reference.
- (b) What is array ? Explain its types.
- (c) What is Union ? Explain.

**Unit—V**

5. (a) What is pointer ? Write a suitable program.
- (b) Explain any *two* file handling functions.
- (c) What is the use of structure pointer in C ? Explain.

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