Roll No. ....

D–3587

B. Sc. (Part I) EXAMINATION, 2020

(New Course)
INFORMATION TECHNOLOGY

Paper Second

(Programming in '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) Explain the basic data types in 'C'.

   (b) Explain the following functions :

   (i)   getc ( ) and

   (ii) putc ( )

   (c) What is typecasting in C programming ?

Unit—II

2. (a) Explain break and switch statement.

   (b) Explain the working concept of call by value and call by reference.

   (c) What is recursive function in 'C' ?

Unit—III

3. (a) Write a program using array in C and explain it.

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   (b) What is Union ? Explain.

   (c) What is enum in 'C' Language ? Explain.

Unit—IV

4. (a) Write a program using pointer in C and explain it.

   (b) What is dynamic memory allocation ? Explain.

   (c) Explain pointer to structure in 'C'.

Unit—V

5. (a) Explain any *two* file handling functions.

   (b) Explain the use of Fopen and Fclose.

   (c) Differentiate between the operation of :

   (i)   Fwrite and Fprintf

   (ii) Fread and Fscanf

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