E–3697

B. Sc. (Part II) EXAMINATION, 2021

INFORMATION TECHNOLOGY

Paper Second

Time : Three Hours]   [*Maximum Marks : 50*

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

Unit—I

1. (a) Define class. What do you mean by object ? Explain with suitable example.

   (b) Write a program in C^{++} to swap of two numbers without using third variable.

   (c) Explain the reusability feature of OOP.

Unit—II

2. (a) What is Function Prototype ? Explain with example.

   (b) What do you understand by the function overloading ? Explain.

   (c) Differentiate call by value and call by reference.

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Unit—III

3. (a) Discuss access specifiers.

   (b) What is the uses of static keyword in C^{++} ? Explain with example.

   (c) Define Inheritance. Explain the types of inheritance.

Unit—IV

4. (a) Explain new and delete with example.

   (b) Define pointer. Write the importance of pointer.

   (c) Discuss pure virtual function.

Unit—V

5. (a) Describe the stream classes in C^{++}.

   (b) Write a C^{++} program to read the file name and display the context of a file on screen.

   (c) Write note on I/O with multiple objects.