ED-325

M.Sc. 1st Semester
Examination, March-April 2021

COMPUTER SCIENCE

Paper - IV

Object-Oriented Programming Using C++

Time : Three Hours]   [*Maximum Marks* : 100

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (*a*) What is OOP ? Write the advantages of OOP.

   (*b*) Explain the data type in C++.

   (*c*) Write a C++ program to demonstrate switch statement. What will happen if break is absent in switch statement ?

(2)

Unit-II

2. (*a*) What is structure ? Write a C++ program to demonstrate structure.

   (*b*) What is overloaded function ? Explain it with example.

   (*c*) Write a C++ program to demonstrate multi-dimensional array.

Unit-III

3. (*a*) Discuss object and class with example.

   (*b*) What is constructor ? Explain it with suitable example.

   (*c*) Write a C++ program to demonstrate function overriding.

Unit-IV

4. (*a*) Explain pointer and array with example.

   (*b*) Explain the memory management in brief.

   (*c*) Write a C++ program to demonstrate pointer to object.

Unit-V

5. (*a*) Discuss virtual function with example.

   (*b*) Write a detailed note on template.

   (*c*) Write a C++ program to demonstrate char I/O.

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