M. Sc. 1st Semester Examination – 2019 (DDE)

(Old Syllabus)

Subject: Computer Science

Paper: MCS – 103 (Object Oriented Programming)

Full Marks: 22½   **Time: 1 Hour**

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer question number 1 and any three questions from the rest.

1) Write short note on any one of the following: 7½

      a) Abstract Class.
      b) Class Template

2) What is "Copy Constructor"? Along with suitable code give example of it.   5

3) Explain the method of dynamic allocation of 2 – dimensional array in C++.   5

4) What is "Static Polymorphism"? Give suitable example.   5

5) Write code in C++ to overload extraction (≪) operator.   5

6) Differentiate between "Instance Variable" and "Class Variable".   5