Roll No ....

MCADD-501

M.C.A. (Dual Degree/Integrated Course), V Semester

Examination, November 2018

Object Oriented Programming in C++

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What are the difference between structure and class in C++?

   b) What are object? Describe the syntax for defining objects with example.

2. a) What are constructors and destructors? Explain how they differ from normal function.

   b) Write a program using "For" loop.

3. a) What is operator overloading? Explain the importance of operator overloading.

   b) What are the different forms of inheritance supported by C++? Explain them with an example.

4. a) Describe different methods of realizing polymorphism in C++.

   b) Justify the need for virtual function in C++.

5. a) What are pure virtual function? How do they differ from normal virtual functions?

   b) Discuss early and late binding.

6. a) Write the syntax and example of seekg(), seekp().

   b) What is File? What are steps involved in manipulating a file in C++ program?

7. a) Draw object oriented notations for class, object, inheritance.

   b) Discuss GML diagrams.

8. a) Explain the exception handling model of C++ with various construct supported by it.

   b) List the rules for handling in exception successfully.

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