Code: 9F00202

MCA - II Semester Regular & Supplementary Examinations, August/September 2012
OBJECT ORIENTED PROGRAMMING
(For students admitted in 2009, 2010 & 2011 only)

Time: 3 hours   Max Marks: 60

Answer any FIVE questions
All questions carry equal marks
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1 (a) Distinguish between object oriented programming and procedure oriented programming.
   (b) Explain in detail about the characteristics of object oriented programming.

2 (a) Draw and explain the structure of C++ program.
   (b) Write a C++ program to check whether the given string is palindrome or not.

3 (a) Mention the advantages and disadvantages of inline functions.
   (b) What is a constructor? Explain the properties of constructors and write a simple program to demonstrate the copy constructor.

4 (a) Describe in detail about the class templates.
   (b) Explain, how to overload an unary operator.

5   Explain the following with suitable examples:
   (a) Multilevel inheritance.
   (b) Hybrid inheritance.
   (c) Single inheritance.

6 (a) What are abstract classes? Explain their importance in object oriented programming.
   (b) Why we are using virtual function? Explain it in detail.

7   Explain in detail about the various file operations with syntax and examples.

8 (a) What is an exception? Explain the user defined exceptions in detail.
   (b) Write short notes on stack unwinding.

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