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06CS44

**Fourth Semester B.E. Degree Examination, June 2012**  
**Object Oriented Programming with C++**

Time: 3 hrs.

Max. Marks:100

**Note: Answer FIVE full questions, selecting  
at least TWO questions from each part.**

**PART – A**

- 1 a. Compare 'C' as procedure oriented language with 'C++' as object oriented language. (10 Marks)  
b. What is function overloading? Explain with swapping of int /float / character strings taken as example. (10 Marks)
- 2 a. Write short notes on 'friends'. (10 Marks)  
b. Explain the importance of static data and functions. (10 Marks)
- 3 a. Explain the set \_new\_hondler function. (08 Marks)  
b. What is a copy constructor? Explain with example. (08 Marks)  
c. What is function overriding? Discuss. (04Marks)
- 4 a. Define inheritance? Discuss different types of inheritances with suitable example. (10 Marks)  
b. Explain deriving by different access specifeirs. (10 Marks)

**PART – B**

- 5 a. What are pure vertical functions? Discuss briefly. (10 Marks)  
b. Differentiate text and binary i/o and files. (10 Marks)
- 6 a. Explain any four file pointer manipulating function. (10 Marks)  
b. Write a program to multiply 2 matrices by overloading '\*' operator. (10 Marks)
- 7 a. Implement overloading of various relational operators for CLASS STRINGS. (10 Marks)  
b. Discuss various aspects of overloading 'new' operator. (10 Marks)
- 8 a. Write suitable example explain various type conversion functions. (10 Marks)  
b. Explain various functions of 'list' class available in STL. (10 Marks)

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