

**Subject Code:- C5806**

**M.Tech - I Semester [R09] Regular/Supplementary Examinations, April - 2012**

**OBJECT ORIENTED PROGRAMMING**

**(C S & C S E)**

**Time: 3 Hours**

**Max Marks: 60**

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**Answer any FIVE questions. All questions carry EQUAL marks.**

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- 1 a. Explain the need for object oriented programming paradigm 4M  
b. Explain about oops concept in detail. 8M
  
- 2 a. Differentiate between static and instance methods. 4M  
b. Write short notes on 8M  
i) this ii) transient iii) volatile iv) Constructor
  
- 3 a. Explain about benefits of inheritance. 3M  
b. Define polymorphism, write a java program for showing method overriding 6M  
c. Define multiple inheritance. Does Java Support multiple inheritance. Justify Your answer. 3M
  
- 4 a. Define interface explain about the steps for implementation and accessing interfaces with examples 6M  
b. Define package. What is the difference between implicit and explicit import statement? Which one takes less time for compilation? 6M
  
- 5 a. Write an example program for multithreading using thread class. 6M  
b. Explain about different types of exception handling techniques in java program. 6M
  
- 6 a. Write a Java Program to illustrate menu 8M  
b. Explain about different types of AWT classes in java. 4M
  
- 7 a. Write a Java Program to display the following 3 by 3 Magic Square (Total = 15) using JTable 8M

2	9	4
7	5	3
6	1	8

- b. Explain about passing of parameter to applets using a java program 4M
  
- 8 a. Write a Java Program for Simple Chatting using UDP. 6M  
b. Define socket. Write a java program to demonstrate sockets. 6M

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