

**R09**

Code No: 09A60403

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD**

**B. Tech III Year II Semester Examinations, June-2014**

**OBJECT ORIENTED PROGRAMMING**

**(Common to ECE, ETM)**

**Time: 3 hours**

**Max. Marks: 75**

**Answer any five questions  
All questions carry equal marks**

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1. Explain briefly the following object oriented concepts.
  - (a) Abstraction and Encapsulation.
  - (b) Inheritance.
  - (c) Polymorphism.
  
- 2.a) Explain about method overloading and constructor overloading with suitable examples.  
b) Explain the concept of nested and inner classes in JAVA.
  
- 3.a) What is inheritance? Explain different forms of inheritance.  
b) Explain the usage of "super" keyword with example.
  
4. Create an interface named test. In this interface the member function is square. Implement this interface in arithmetic class. Create one new class called ToTestInt in this class using the object of arithmetic class.
  
- 5.a) Explain try and catch keywords in java with suitable examples.  
b) With an example illustrate sub class exception precedence over base class.
  
- 6.a) Define thread and explain how to create multiple threads.  
b) What are the differences between sleep and suspend?
  
- 7.a) Explain about handling mouse and keyboard related events.  
b) Write a short notes on Delegation Event Model.
  
- 8.a) What is an applet? Explain the process of creating an applet.  
b) What are the limitations of AWT? How did they overcome in swings?

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