

Code :CS05434

RA**III B.Tech II Semester(R05) Supplementary Examinations, April/May 2011****OOP THROUGH JAVA****(Electronics & Communication Engineering)****(For students of RR regulation readmitted to III B.Tech II Semester R05)****Time: 3 hours****Max Marks: 80****Answer any FIVE questions
All questions carry equal marks**

1. (a) Describe the structure of a typical java program
(b) Enumerate the rules for creating identifiers in java
(c) What are the conventions followed in java for naming identifiers? Give examples.
2. (a) What is a constructor? What are its special properties?
(b) How do we invoke a constructor?
(c) What are objects? How are they created from a class?
3. (a) Justify the following statement with an example. "A superclass variable can reference a subclass object".
(b) Explain the main two uses of super.
(c) Explain the procedure to call super class members with example.
4. (a) Write a program to create a class with an inner class. In a separate class, make an instance of the inner class.
(b) Write a program to create a class with an inner class that has a non default constructor. Create a second class with an inner class that inherits from the first inner class.
5. (a) Give the Class hierarchy in Java related to exception handling. Briefly explain each class.
(b) What is the necessity of exception handling? Explain exception handling taking "divide-by-zero" as an example.
6. Write a stand-alone AWT based application which creates a frame window that responds to mouse clicks and key strokes.
7. Explain the following:
 - (a) Creating an applet
 - (b) Passing parameters to applets
 - (c) Adding graphics and colors to applets.
8. Explain the uses of following with sample programs.
 - (a) TimeZone class
 - (b) Calender class
 - (c) GregorionCalender class.
