

II B.Tech II Semester Regular Examinations, Apr/May 2008
OOP THROUGH JAVA
(Common to Electronics & Communication Engineering, Computer Science
& Engineering, Information Technology, Computer Science & Systems
Engineering, Electronics & Telematics and Electronics & Computer
Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Describe the genesis of java. Also write brief overview of java
(b) Write a program that will read an unspecified number of integers and will determine how many positive and negative values have been read. Your program ends when the input is 0. [8+8]

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? [6+4+6]

3. (a) Explain about final classes, final methods and final variables?
(b) Explain about the abstract class with example program? [8+8]

4. Prove that the fields in an interface are implicitly static and final. [16]

5. (a) Why thread is called light weight task and process heavy weight task.
(b) What are the different things shared by different threads of a single process. What are the benefits of sharing?
(c) Is multithreading suitable for all types of applications. If yes explain any such application. If no, explain any application for which multithreading is not desired. [4+4+8]

6. What are the methods supported by KeyListener interface and MouseListener interface. Explain each of them with examples. [8+8]

7. Explain the functionality of JComponent with example. Differentiate JComponent and JPanel. [8+8]

8. (a) What are accessor methods?
(b) How will you create strings and stringbuffers? How will you modify them? [8+8]
