

Code: CSCS1T6

**I M.Tech-I Semester-Regular Examinations-February 2016**

**OBJECT ORIENTED PROGRAMMING  
(COMPUTER SCIENCE & ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

- 1 a) Explain the features of Java. 7 M  
b) What are the drawbacks of procedure oriented programming? How are the drawbacks overcome in Object Oriented Programming? 7 M
- 2 a) Write a note on the continue statement. Explain how it can be used in case of labeled loops? 7 M  
b) Write a java program to sort the elements of an array in ascending order. 7 M
- 3 a) What is the purpose of *this* keyword? Explain it with the help of a program. 7 M  
b) Explain hierarchical inheritance with the help of a program. 7 M

- 4 a) Explain the concept of final keyword with an example.  
What are the uses of final keyword? 7 M
- b) Explain the process of creating one's own Exception with  
the help of an example. 7 M
- 5 a) Why is a String said to be immutable? What is the major  
difference between Strings and StringBuffers? 7 M
- b) Write a program in Java to read from a file and write to  
another file. 7 M
- 6 a) Explain the theory of thread synchronization. How is it  
achieved in Java? 7 M
- b) Explain about the constructors used to create server  
sockets. 7 M
- 7 a) What is a Table component? What are the steps for using a  
table in an applet? 7 M
- b) What is an applet? What methods are called when an applet  
is terminated? 7 M
- 8 a) Explain about the lifecycle of a Servlet. 7 M
- b) What is Servlet interface? What are the methods defined by  
Servlet? 7 M