

Code: CSCS1T6

I M.Tech-I Semester-Regular Examinations-April 2015

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

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

- 1 a) What are the advantages of Object Oriented Programming? 7 M
- b) Explain about the various tools in the Java Development Kit. 7 M
- 2 a) Explain Java's switch statement. Does the switch statement allow duplicate case values? If yes, discuss the statement. 7 M
- b) Write a Java program to sort the elements of an array in descending order. 7 M
- 3 a) Explain the concepts of static blocks, static methods and static variables with the help of your own examples. 7 M
- b) Explain multi level inheritance with the help of a program. 7 M
- 4 a) What is polymorphism? How is it achieved using Interface? 7 M

- b) Define the term package and explain the importance of packages in java with examples. 7 M
- 5 a) Explain the various constructors of the StringBuffer class. 7 M
- b) What are the 2 types of streams defined in Java? Explain in brief. 7 M
- 6 a) Explain the thread lifecycle in java. 7 M
- b) Explain about the constructors used to create client sockets. 7 M
- 7 a) What are the various swing component classes? Explain in brief. 7 M
- b) What is an applet? What methods are called when an applet begins? 7 M
- 8 a) What is a Servlet? Write a program to create a servlet. 7 M
- b) Explain about various types JDBC drivers. 7 M