

Code: CSCS1T6

I M.Tech-I Semester-Regular Examinations-March 2014

**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 differences between Structured and Object Oriented Programming? 7 M
- b) What are the different data types supported in Java? 7 M
- 2 a) Explain various loop control structures supported in Java? 7 M
- b) What are Arrays in Java? Explain the applications of Arrays. 7 M
- 3 a) What are access modifiers? Illustrate with examples. 7 M
- b) What is inheritance? Explain its advantages. 7 M
- 4 a) Explain how polymorphism is handled in Java. 7 M
- b) Explain various types of exception handling in Java. 7 M

- 5 a) Explain with an example how command-line arguments are used in java. 7 M
- b) What are streams? Explain with suitable examples. 7 M
- 6 a) What is socket programming? Explain the areas of its application. 7 M
- b) Discuss the life cycle of a thread in Java. 7 M
- 7 a) Explain with examples the basic layout managers provided by Java Swing. 7 M
- b) What is an applet? Explain the life cycle of an applet. 7 M
- 8 a) Explain JDBC query operations with examples. 7 M
- b) What is a Servlet? Explain the life cycle of a Servlet. 7 M