Code: **CSCS1T6**

I M.Tech - I Semester – Regular/Supplementary Examinations – January - 2017

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 difference between abstraction and interface.

                                                                        7 M

   b) Describe the limitation and applications of OOP.   7 M

2. a) Explain the different control flow statements.   7 M

   b) Define an Array. Explain the reading, writing and
      initialization of array with an example.   7 M

3. a) Explain the following keywords with an example.   7 M
      i) this keyword   ii) super keyword

   b. Differentiate between an abstract classes and a final
      classes.   7 M

4. a) What is a Package? Illustrate the creating and accessing a
      package with an example.   7 M

b) Define a Run-time Exception. Explain the user-defined exception with an example. 7 M

5. a) Differentiate between String class and String Buffer. Explain few string manipulation methods. 7 M

b) What is a stream? Explain briefly about java stream API. 7 M

6. a) Define a Socket. Explain the TCP/IP Socket program. 7 M

b) What is a Thread? Explain the Thread life cycle. Write a program to create thread using Thread class. 7 M

7. a) Explain about the Event Delegation model and Event classes and Interfaces. 7 M

b) Differentiate between the AWT and Swing. Explain Applet Life Cycle. 7 M

8. a) Describe different types of JDBC Drivers. Write a java program to insert values into table. 7 M

b) What is a Servlet? Explain the life cycle of Servlet. Write a Hello Servlet program. 7 M