

Code: CSCS1T6

**I M.Tech-I Semester-Special Supplementary Examinations
March 2019**

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

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Discuss the principles of Object Oriented Programming in detail. 7 M
- b) Compare and contrast Structured and Object Oriented Programming 7 M
2. a) Write a Java program to check whether a given number is palindrome or not? 7 M
- b) Illustrate the process of passing array as parameter to function with example. 7 M
3. a) Explain method overriding and method overloading with the help of examples. 7 M

- b) What is a constructor? Write a Java program to explain the need of a constructor in problem solving. 7 M
4. Explain in detail the process of defining, creating, importing and accessing a package with suitable example. 14 M
5. a) Compare String class and StringBuffer class and discuss the similarities and dissimilarities between them. 4 M
- b) Explain methods in StringTokenizer class. 5 M
- c) Write a java program that reads two strings and verify whether they are anagrams or not. 5 M
6. a) What is URL Encoding and various methods in java.net.URL class? 7 M
- b) Discuss various concurrent issues with Multithreading. 7 M
7. a) Write Applet programs to accomplish the following tasks:
i) Drawing polygons ii) Drawing a line graph 7 M
- b) Explain in brief the event-handling mechanism in java with an example. 7 M

8. State and explain the various methods defined by ServletResponse and HttpServletResponse interfaces.

14 M