

(Please write your Exam Roll No.)

Exam Roll No.

END-TERM EXAMINATION

FIFTH SEMESTER [B.TECH.]– DECEMBER-2007

Paper Code: ETIT-303 (Batch-2004-2005)

Subject: Java Prog. & Website Design

Paper ID: 201795

Time : 3 Hours

Maximum Marks : 75

Note: Attempt any one question from each of the four units, Q.No.1 is compulsory.

(10x2.5=25)

- Q.1 (a) What is the significance of "this" keyword in Java?
 (b) What are Abstract classes?
 (c) Why main () function is defined as static in Java?
 (d) Differentiate between classes and interfaces.
 (e) What is the purpose of init () method in applets?
 (f) Explain the terms: method overloading and method overriding.
 (g) What are sockets? How these are implemented in Java?
 (h) What is the use of Print Writer class? Write some of its constructor methods.
 (i) How threads can be created in Java?
 (j) Explain different usage of the keyword "final".

UNIT-I

- Q.2 (a) Write down the usefulness of the keyword "super" in Java. (2.5)
 (b) Write a program in Java to illustrate the referencing of a superclass variable by a subclass object. (10)
- Q.3 (a) How garbage collection is done in Java. Illustrate the use of finalize method. (5)
 (b) Write a program in Java to implement stack. The program should contain push () and pop () methods. (7.5)

UNIT-II

- Q.4 (a) Write down the Java built in exceptions. What are their meaning? (5)
 (b) Write a program in Java to illustrate nested try statements. (7.5)
- Q.5 (a) What are the different methods available for inter thread communication? Explain. (5)
 (b) Write a program in java to illustrate synchronized multithreading. (7.5)

UNIT-III

- Q.6 (a) Explain the different event handling mechanisms used in Java. (5)
 (b) Explain different event classes defined in Java awt event package. (7.5)
- Q.7 (a) Write a program in Java to show the use of different mouse handling events. (7.5)
 (b) Explain different methods defined by servlet request and servlet response classes. (5)

UNIT-IV

- Q.8 (a) Explain the different protocols used in communication over internet. What are cookies? (5)
 (b) Discuss the various HTML tags used for designing a basic web page. (7.5)
- Q.9 (a) What is DHTML? How it is different from HTML? (5)
 (b) Discuss different options available in HTML for creating different controls. How these can be linked with javascript? (7.5)
