B.E/B.Tech DEGREE END SEMESTER EXAMINATIONS, NOV/DEC 2011
FIFTH SEMESTER – (REGULATIONS 2004)
Information Technology
IT503 Advanced Java Programming

Time: Three hours   Maximum: 100 marks

Answer ALL Questions.
Part – A (10*2 = 20)

1. What is Multithreading?
2. Differentiate final, finally and finalize with reference to java.
3. State about IIOP protocol.
4. What are the uses of RMI Registry and Security Manager?
5. What is meant by Naming services?
6. What are the differences between java bean and EJB?
7. What is a cookie?
8. What is the difference between doGet() and doPost() methods used in servlet?
9. What are Midlets?
10. How do you deploy Mobile Objects?

Part B – (16*5 =80)

11 i) Describe the importance of byte code to get platform independence of java
program.   (10)

ii) Write a Java program to copy one file to another file with the help of byte stream
classes.   (6)

12 a) i) Write a program to implement socket programming using DataGram class (10)

12 a) ii) Describe about Java Messaging Services.   (6)

(OR)

12 b) i) Explain the content handler and protocol handler with corresponding
classes, methods and examples.   (10)

12 b) ii) Write a program to retrieve and display port number and host name of an
URL.   (6)

13 a) i) What is Distributed application architecture? What is RMI? List the steps for
building distributed applications using RMI.   (10)

13 a) ii) Describe about Object Serialization.   (6)

(OR)

13 b) i) What are the applications CORBA? How is it related to RMI? What are the differences between CORBA and RMI? (10)

13 b) ii) How to create a JAR file? Explain the jar command with it's all option in detail with suitable example. (6)

14 a) i) Explain session management with the help of an example program. (10)

14 a) ii) Explain the life cycle of a Servlet with the help of an example. (6)

(OR)

14 b) i) Write a program to display a database file containing customer_id,name and address using JDBC. (10)

14 b) ii) Discuss about JINI Technology. (6)

15 a) i) Discuss about (16)
    o Mobile Devices Profiles
    o Mobile Software

(OR)

15 a) i) Explain about how to develop Mobile Networking Applications. (16)