

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION  
AUGUST 2007**

**Computer Science**

**.CS 204 – ADVANCED JAVA PROGRAMMING**

**(2005 Admissions)**

**Time : Three Hours**

**Maximum : 80 Marks**

**Part A**

*Attempt any five questions.*

1. Explain the architecture of JDBC with suitable diagram. (8 marks)
2. What are the key RMI classes for Remote Object Implementations? (8 marks)
3. Write a note on Context., list 0, Attribute. (3 + 3 + 2 = 8 marks)
4. What is a servlet? Differentiate between servlet and JSP. (4 + 4 = 8 marks)
5. Differentiate between stateful; and stateless session beans. (8 marks)
6. Explain the role of stub and skeleton classes in RMI. (8 marks)
7. Explain the given classes and their methods.  
(a) JCheck Box ; (b) JTable ; (c) JTree ; (d) JApplet. (4 × 2 = 8 marks)

**Part B**

*Answer any four questions.*

8. Write a program to implement a web page. Also explain the procedure for configuring any web server. (5 + 5 = 10 marks)
9. Write down the procedure for connecting any database table as a back end of Java. (10 marks)
10. Explain RMI factory classes. Also give the advantages of RMI factory classes with suitable example. (4 + 6 = 10 marks)
11. Write a note on different types of enterprise java beans. (10 marks)
12. (a) Explain the Name Service JNDI.  
(b) Explain : (1) Naming Enumeration ; (2) Binding. (5 + 5 = 10 marks)
13. What do you mean by Session Tracking? Also explain the significance of cookies. (5 + 5 = 10 marks)