M.C.A. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2006.

Fifth Semester

CA 331 — ADVANCED JAVA PROGRAMMING

(Regulation 2002)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write the functions of event listener.

2. What are the two ways for synchronizing the execution of multiple threads?

3. What is object serialization?

4. Mention the role of IIOP in CORBA.

5. Give the uses of Bound properties defined in a Java Bean.

6. What is the use of jar tool?

7. Mention the use of JNDI in distributed computing.

8. What are the steps involved in accessing database using JDBC in java?

9. List the uses of media framework feature provided by java.

10. What is meant by internationalization in JAVA?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Discuss the logic used JVM interpreter for byte code interpreter.(12)

    (ii) Compare Data stream with Object stream. (4)

Or

    (b) (i) Explain networking features provided in JAVA. (10)

    (ii) Discuss the role of collection classes in JAVA. (6)

12. (a) (i) Explain the steps involved in creating and implementing remote objects using RMI. (10)

    (ii) Create a simple remote bank transaction object, which can provide the services like withdrawal and deposit using RMI. (6)

Or

    (b) (i) Explain any four basic distributed services defined in CORBA. (8)

    (ii) Describe the procedure for creating CORBA server with an example. (8)

13. (a) Explain the components of Java Bean architecture. (16)

Or

    (b) (i) Create a Customer Bean class with simple properties. (8)

    (ii) How to provide the security through JAR Archives? Explain. (8)

14. (a) (i) Describe the various steps involved in servlet life cycle. (8)

    (ii) Explain session bean and entity bean components in JAVA. (8)

Or

    (b) (i) Explain JSP directives with example. (8)

    (ii) Discuss the various types of JDBC drivers. (8)

15. (a) (i) List the steps involved in putting a media player into an applet and discuss each one of them. (10)

    (ii) How does java support for internationalization? (6)

Or

    (b) Explain n-tier application deployable view of J2EE architecture with an example. (16)

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