USN ☐☐☐☐☐☐☐☐☐☐ 06CS/IS753

Seventh Semester B.E. Degree Examination, June/July 2013
JAVA and J2EE

Time: 3 hrs. Max. Marks:100

Note: *Answer FIVE full questions, selecting*
at least TWO questions from each part.

PART – A

1 a. List and explain JAVA features. (10 Marks)
   b. Explain arrays in JAVA, with examples. (06 Marks)
   c. What is jump statement? Explain with examples. (04 Marks)

2 a. Why overridden methods are used in JAVA? Explain with an example. (08 Marks)
   b. What is command-line arguments? Write a program to demonstrate command-line arguments. (06 Marks)
   c. What are applets? Demonstrate how to pass parameters for font name, font size and type conversion in applet. (06 Marks)

3 a. What is meant by multithreaded programming? Explain with an example how inter thread communication is implemented in JAVA. (10 Marks)
   b. What is meant by thread priority? How is it assigned? (06 Marks)
   c. Write a note on event listener interfaces. (04 Marks)

4 a. Briefly explain containers and components in swings. (10 Marks)
   b. Write the steps to create J Table. Write a program to create a table with the column headings Name, USN, Age, Address and insert atleast five records in the table and display. (10 Marks)

PART – B

5 a. Give and explain J2EE multi-tier architecture. (08 Marks)
   b. Describe the various steps of JDBC process with an example. (08 Marks)
   c. Write a note on result set. (04 Marks)

6 a. What is a servelet? Explain life cycle of servelet. (06 Marks)
   b. What is a cookie? List out the methods defined by cookie. Write a program in HTML for adding a cookie. (10 Marks)
   c. Write a not eon HTTP status codes. (04 Marks)

7 a. What is the difference between servelets and JSP? Explain different types of JSP tags with syntax. (06 Marks)
   b. What is RMI concept? Explain the server side and client side methods. (10 Marks)
   c. Write a note on request string. (04 Marks)

8 a. List and explain EJB transaction attributes. (06 Marks)
   b. With a skeleton explain session java bean. (06 Marks)
   c. Differentiate between stateless and stateful session bean. (04 Marks)
   d. Write a note on message – Driven Bean. (04 Marks)

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