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10CS/IS753

Seventh Semester B.E. Degree Examination, June/July 2023**JAVA and J2EE**

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.**PART – A**

- 1 a. Explain the various lexicon issues of Java and state various primitive data types supported by Java. (10 Marks)
b. Write a structure of simple Java program and explain. (10 Marks)
- 2 a. In Java programming, How methods and classes are defined? Explain. (10 Marks)
b. Write a Java code to illustrate the Applet skeleton. (10 Marks)
- 3 a. Write a Java code to create a thread. (05 Marks)
b. State the Action Event classes supported by Java. (10 Marks)
c. What is Event? Explain two models of event handling in Java. (05 Marks)
- 4 a. Write Java code to display short text message on label using swing package. (10 Marks)
b. State the two swing features and write the constructors of JLabel, JTextField, JButton and Tree class. (10 Marks)

PART – B

- 5 a. Write six steps to create database schema. (06 Marks)
b. What is indexing? Define clustered key and derive key. (04 Marks)
c. Write a Java code to open a connection with a Database. (05 Marks)
d. State the commonly used Database Meta Data object methods and Resultset Metadata. (05 Marks)
- 6 a. Explain the life cycle of servlet. (05 Marks)
b. State the classes and interfaces of javax.servlet package. (05 Marks)
c. Write a servlet code to illustrate the use of session state. (10 Marks)
- 7 a. Explain five types of JSP tags. (05 Marks)
b. Write a code to create a cookie. (05 Marks)
c. Write a Java code for remote interface definition. (05 Marks)
d. What are steps to be followed before running the client in Java Remote Method Invocation? (05 Marks)
- 8 a. What is Deployment Descriptors? Explain the skeleton of deployment Descriptor. (10 Marks)
b. State any five EJB transaction attributes managed by EJB server. (05 Marks)
c. Write a note on Java Archive (JAR) file. (05 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.