Roll No ....

MCADD-804 (1)
M.C.A. (Integrated), VIII Semester
Examination, November 2023
Java-II
(Elective - III)
Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Explain the detail the various components of JDBC. Give the steps for using JDBC to access a database.

   b) What is JSTL and How many Tags are provided by JSTL? What are they?

2. a) What are the different properties of Java Beans?

   b) Explain JDBC Architecture with suitable diagram.

3. a) Write difference between.

   i) Generic servlet and HTTP servlet

   ii) doGet and doPost

   b) What is Java Beans? What are the key concept of JAVA Beans? List out the advantages of JAVA Beans.

4. a) Differentiate between stateless and stateful session beans in Java.

   b) What is Struts? Explain the components of struts framework.

5. a) What are style sheets? What are the variations and limitations of CSS?

   b) What is Request Dispatcher? What is the difference between Request Dispatcher's forward( ) and include( ) method?

6. a) Explain what do you understand by the JSP life cycle phases?

   b) What is an applet? How will you initialize an applet?

7. a) List JSP implicit objects and explain any two.

   b) Explain JDBC process steps for queuing database.

8. Explain the following (any two)
   i) Difference between GET and POST Method
   ii) J 2 E E
   iii) BDK Introspection

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