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Roll No

MCADD-804 (1)
M.C.A. (Integrated), VIII Semester
Examination, May 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) What is HTML? What are the different form tags in HTML?
b) What is CSS? Explain various types of style sheet with example.
2. a) What is the difference between servlets and JSP? Write a servlet that will take two integer from the client and perform the addition of it and display its output on the client side.
b) Explain the different types of JSP tags with an example for each.
3. a) What is MVC architecture? Explain MVC architecture in detail with figure.
b) What is JDBC? Explain various JDBC drivers.
4. a) What is Java Beans? What are the key concept of Java Beans? List out the advantages of Java Beans.
b) Define and differentiate between stateless and statefull session Beans in Java.

5.
 - a) What are the main classes which are used in struts application?
 - b) What are the components of struts framework?
6.
 - a) Explain JSTL core tags.
 - b) What is Request Dispatcher? What is the difference between Request Dispatcher's forward() and include() method?
7.
 - a) Explain what do you understand by the JSP life cycle phases?
 - b) What is an applet? How will you initialize an applet?
8. Explain the following (Any two).
 - i) JSP scriptlet tag and JSP expression tag
 - ii) Session and Cookies
 - iii) JSP page directive and JSP include directive
