

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

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## **MCADD-804 (1)**

**M.C.A. (Integrated Course), VIII Semester**

**Examination, May 2019**

### **Java-II**

*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 some of the common lists that can be used when designing a page?  
b) What are style sheets? What are the variations and limitations of CSS?
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) 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?
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 what do you understand by the JSP life cycle phases?  
b) What is an applet? How will you initialize an applet?
7. a) What are the different properties of Java Beans?  
b) Explain JDBC Architecture with suitable diagram.
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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