

K. J. SOMAIYA INSTITUTE OF MANAGEMENT STUDIES AND RESEARCH

MCA –Semester II (Batch -2018-2021)

Subject: Advanced JAVA

(SEM-IV End-Term Examination)

20/04/2019

Maximum Marks: 50

Duration: 3hours

Note:

1. Q.1 is compulsory

2. Attempt any four from Q.2 to Q.7

- Q. a) Write short notes on JSTL-SQL tag library with example. (04)
- 1 b) Write a web application using servlet to compute a volume of a sphere. Get the radius from the client. Write necessary web.xml file. (04)
- c) Explain JSP Object scope: (i) Page (ii) Request (iii) Session (iv) Application with example. (02)
- Q. a) What are cookies? Write a JSP program that reads and prints all the previous cookies and add a cookie with your name. (05)
- 2 b) Explain the action tags used to access the JavaBeans from a JSP page with an example. (05)
- Q. a) Compare the following (06)
- 3 i) Well-formed and Valid XML documents
- ii) CDATA and PCDATA
- iii) HTML and XML
- b) Write document tree, DTD and CSS for the following. (04)
- PLAYER(ID, FNAME,LNAME,MATCHES(PLAYED,RESULT(WON,LOST)))
- Q. a) What is servlet? What is the architecture of servlet package? What is the difference between HttpServlet and GenericServlet? (05)
- 4 b) Explain the use of ServletConfig () and ServletContext () object with example. (03)
- c) List and explain any six methods of HttpServlet Request class. (02)

- Q. a) Explain Hibernate Architecture and Object Relation Mapping in Hibernate with (06)
5 java code and required XML files.
- b) What are the advantages of Hibernate over JDBC? (02)
- c) What is difference between Hibernate Session get () and load () method? (02)
- Q. a) What is the difference between struts1 and struts2? (02)
- 6 b) In context of JAVA struts, write on (06)
- i) Advantages of java
- ii) What is JSP and what is the role of JSP in STRUTS
- iii) Advantage of STRUTS
- c) How is the Action Mapping specified? (02)
- Q. a) What is directive? Explain page directive in JSP with example. (03)
- 7 b) Explain the importance of request dispatcher of servlet in inter-servlet (03)
communication.
- c) What is difference between include action and include directive in JSP? (02)
- d) What is difference between Web Server and Application Server? (02)

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