

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS),VELLORE-1.

JSP AND SERVLET PROGRAMMING

UNIT I SECTION-A 5 MARKS

1. Explain Operators in JavaScript.
2. Discuss briefly about conditional structure and looping in JavaScript.
3. Explain the concept of Arrays in JavaScript
4. Discuss about String Functions in JavaScript
5. Discuss about Math Functions in JavaScript
6. Discuss about Date Functions in JavaScript
7. What is User Defined Object Model in JavaScript? Discuss
8. Explain Events in JavaScript.

SECTION-B 15 MARKS

1. Explain in detail about Events in JavaScript with example
2. Explain Arrays in JavaScript along with its Operations in detail
3. Discuss about Control structures in JavaScript with example.
4. Discuss about String Functions in JavaScript
5. Discuss about Math Functions in JavaScript
6. Discuss about Date Functions in JavaScript
7. Discuss about the structure of JavaScript program with an example.

UNIT II SECTION-A 5 MARKS

1. Discuss about the needs for Java Database Connectivity briefly.
2. Write short note on Database Drivers
3. Discuss the steps involved in connecting to a database.
4. Discuss about statements in JDBC
5. What are Stubs and Skeleton?
6. Briefly explain about the architecture of Remote Method Invocation.
7. Discuss briefly about the Java.Sql Connectivity Package.
8. Discuss about the APIs associated with JDBC

SECTION-B 15 MARKS

1. Explain how to establish database connection in JDBC.
2. Discuss about the RMI Architecture in detail with an example.
3. Discuss in detail about the APIs associated with JDBC
4. What are JDBC Drivers? Explain the different Statements in JDBC.

UNIT III SECTION-A 5 MARKS

1. Discuss briefly about the JSP Elements with example.
2. Explain Standard Actions in JSP
3. Explain the structure of a JSP Program with an example.
4. Discuss about Page, Request and Session Objects in JSP
5. Explain about Exception handling in JSP
6. Discuss about Request and Response Objects in JSP

SECTION-B 15 MARKS

7. Explain in detail about JSP Life Cycle with neat diagram
8. Discuss in detail how exceptions are handled in JSP
9. Discuss briefly about the Directive Elements in JSP.
10. How including and forwarding of pages are done in JSP

UNIT IV SECTION-A 5 MARKS

1. Discuss briefly about the implementation of SERVLETS.
2. Explain the single thread model interface in servlets
3. Discuss about the various methods involved in HTTP Servlet Class
4. Explain how exceptions are handled in servlets?
5. What are the methods associated in handling exception in servlets? Discuss.
6. Explain Servlet Life Cycle.
7. Discuss about the Servlet Context Interface
8. Discuss about the HTTP Session Interface and methods associated with it.
9. Discuss about the HTTP Response Interface.

SECTION-B**15 MARKS**

10. Explain in detail about Servlet and its Life Cycle.
11. Discuss how Exceptions are handled in Servlet and Servlet Exception Class
12. Discuss in detail the working concept behind Servlet Request and Response.
13. Discuss how Session Tracking is done in Servlets
14. Explain about Servlet implementation along with its interface.

UNIT V**SECTION-A****5 MARKS**

1. Explain about the STRUTS Web Application Framework
2. Discuss briefly about the MVC architecture in Struts.
3. Explain briefly about JSP Standard Tag Libraries
4. What is EL? Explain
5. Discuss briefly about EL Objects
6. Discuss about EL Operators in short with example
7. Explain about EL Functions with example
8. Explain about CORE tags in JSTL
9. Explain about Formatting tags in JSTL
10. Explain about SQL tags in JSTL

SECTION-B**15 MARKS**

11. Explain about the STRUTS Web Application Framework
12. Discuss briefly about the MVC architecture in Struts.
13. Explain briefly about JSP Standard Tag Libraries
14. Explain about CORE tags in JSTL
15. Explain about Formatting tags in JSTL
16. Explain about SQL tags in JSTL
17. Discuss in detail about Expression Language.

JSP AND SERVLET PROGRAMMING

Max. Marks :75

Answer ALL the questions.

- 1 (a) Discuss about the various Looping constructs in Java Script
(OR)
(b) Explain the structure of a JAVA SCRIPT Program. Write a program to find the Square of a given number
- 2 (a) Explain about the Steps involved in JDBC Connectivity
(OR)
(b) Explain Stubs and Skeletons under Distributed Environment
- 3 (a) Explain JSP Life Cycle with a neat diagram
(OR)
(b) Explain the use of Application Objects in JSP with Example
- 4 (a) Explain about Single thread model of Java Servlet
(OR)
(b) Explain Servlet's Life Cycle with neat diagram
- 5 (a) Discuss in short about JSP Expression Language
(OR)
(b) Explain about SQL Tags in JSTL.

SECTION -B (3 X 15 = 45)

Answer any THREE of the following questions:-

1. Explain in detail about Objects and various Events in JS.
2. Explain in detail about RMI Architecture.
3. Explain in detail about various methods used in HTTP Servlet Request Interface.
4. Explain MVC Architecture used in STRUTS.
5. Explain in detail about Exceptions in JSP.
