Started on	Tuesday, 23 March 2021, 12:41 PM
State	Finished
Completed on	Tuesday, 23 March 2021, 12:42 PM
Time taken	11 secs
Marks	0.00/50.00
Grade	**0.00** out of 10.00 (**0**%)

Question **1**

Not answered

Marked out of 1.00

_____ includes a static file in a JSP file, parsing the file's JSP elements (choose the most correct one)

Select one:

○ a. <jsp:useBean>

○ b. <jsp:forward>

○ c. <jsp:include>

○ d. include directive

○ e. import directive

The correct answer is: include directive

Question **2**

Not answered

Marked out of 1.00

Verification of a login name and password is known as?

○ a. authentication

○ b. logging in

○ c. accessibility

○ d. configuration

The correct answer is: authentication

Question **3**

Not answered

Marked out of 1.00

Which of the following statement is not correct about HTTP method?

○ a. A GET request append data to the end of the URL.

○ b. HTTP DELETE method request for the Server to delete the resource

○ c. A POST request append data to the end of the URL.

○ d. HTTP OPTIONS request for communication options available on the request/response chain

The correct answer is: A POST request append data to the end of the URL.

Question **4**

Not answered

Marked out of 1.00

What will be the output from the following expression?

```
<%
    request.setAttribute("a", 15);
    request.setAttribute("b", 6);
%>
${a%b}
```

○ a. 0

○ b. 3

○ c. 2.5

○ d. 9

Your answer is incorrect.

The correct answer is:
3

Question **5**

Not answered

Marked out of 1.00

How can you open a link in a new browser window?

○ a. <a href = "url" target = "new">

○ b. <a href = "url" target= "_blank">

○ c. <a href = "url" target ="open">

○ d. <a href = "url".new>

Your answer is incorrect.

The correct answer is:
<a href = "url" target= "_blank">

Question **6**

Not answered

Marked out of 1.00

What is NOT true about MVC Model 2 Architecture?

○ a. The model represents the application object or data.

○ b. The controller transmits the request, and selects a view for presenting data to the user.

○ c. It is applied for little applications only, not for substantial applications

○ d. The view represents the user interface component of the data model

The correct answer is: It is applied for little applications only, not for substantial applications

Question **7**

Not answered

Marked out of 1.00

Select the method to get form data into jsp?

○ a. request.getString()

○ b. getParameter()

○ c. request.getparameter()

○ d. request.getParameter()

The correct answer is: request.getParameter()

Question **8**

Not answered

Marked out of 1.00

_____ are small pieces of information that are deposited on the client by the server.

○ a. Cookie

○ b. Directive

○ c. Session

○ d. Scriptlet

The correct answer is: Cookie

Question **9**

Not answered

Marked out of 1.00

Given a web application in which the request parameter productID contains a product identifier. Which two EL expressions evaluate the value of the productID? (Choose two.)

☐ a. ${param.productID}

☐ b. ${paramValues.productID}

☐ c. ${params.productID}

☐ d. ${params.productID[1]}

☐ e. ${paramValues.productID[0]}

☐ f. ${productID}

Your answer is incorrect.

The correct answers are:
${param.productID},

${paramValues.productID[0]}

Question **10**

Not answered

Marked out of 1.00

Consider the following HTML page code, which method can be used in subjectServlet to retrieve the value of "language" parameter, when the form is submitted.

```
<body>
    <form method="post" action="subjectServlet">
        <fieldset>
            <legend>Languages</legend>
            <input type="checkbox" name="language" value="java" checked />Java
            <input type="checkbox" name="language" value="cs" />C#
        </fieldset>
        <input type="submit" value="SEND" />
    </form>
</body>
```

○ a. String languages = request.getParameterValues("language");

○ b.
  String java = request.getParameterValues("java");

   String cs = request.getParameterValues("cs");

○ c.
  String java = request.getParameterValues("Java");

   String cs = request.getParameterValues("C#");

○ d. String[] languages = request.getParameterValues("language");

Your answer is incorrect.

The correct answer is: String[] languages = request.getParameterValues("language");

Question **11**

Not answered

Marked out of 1.00

Please choose the right code to display information as bellows:

Your chosen Books[quantity*price] are:

- Java [3 * $10] = 30
- C# [5 * $15] = 75

○ a. Your chosen Books[quantity*price] are:

          Java [3 * $10] = ${3*10}

          C#   [5 * $15] = ${5*15}

○ b. Your chosen Books[quantity*price] are:

          Java [3 * $10] = $[3*10]

          C#   [5 * $15] = $[5*15]

○ c. Your chosen Books[quantity*price] are:

        Java [3 * $10] = ${3*10}

        C#   [5 * $15] = ${5*15}

○ d. Your chosen Books[quantity*price] are:

          Java [3 * $10] = {3*10}

          C#   [5 * $15] = {5*15}

Your answer is incorrect.

The correct answer is: Your chosen Books[quantity*price] are:

      Java [3 * $10] = ${3*10}

      C#   [5 * $15] = ${5*15}

Question **12**

Not answered

Marked out of 1.00

When clicking a link or entering raw URL in browser address bar, if
a Servlet is listening on the URL in question, then its _____ method will be called?

○ a. doPost()

○ b. doGet()

○ c. doInit()

○ d. doOptions()

The correct answer is: doGet()

Question **13**

Not answered

Marked out of 1.00

What does the FilterChain do?

○ a. It invokes the next filter in the chain, or if the calling filter is the last filter in the chain, it invokes the resource at the end of the chain.

○ b. FilterChain is a function of the web.xml file

○ c. It invokes the first filter in the chain.

○ d. It does nothing.

The correct answer is: It invokes the next filter in the chain, or if the calling filter is the last filter in the chain, it invokes the resource at the end of the chain.

Question **14**

Not answered

Marked out of 1.00

Which interface is chosen to be extended by many tag handlers to create a custom tag?

○ a. BodyTagSupport

○ b. Tag

○ c. TagSupport

○ d. IterationTag

○ e. BodyTag

The correct answer is: Tag

Question **15**

Not answered

Marked out of 1.00

In the request life cycle of Struts 2, which component invokes the Interceptors to apply the common functionalities?

○ a. ActionServlet

○ b. ActionMapping

○ c. ActionInvocation

○ d. FilterDispatcher

The correct answer is: ActionInvocation

Question **16**

Not answered

Marked out of 1.00

Which components are required to use in JSP page after custom tag implemented?

○ a. Custom taglib class that extends from tagext, tags file, declaration in both web.xml and JSP files

○ b. Custom taglib class that extends from tagext, tld file, declaration in web deployment descriptor

○ c. None of the others

○ d. Custom taglib class that extends from JSTL, tld file, declaration in context.xml file

The correct answer is: Custom taglib class that extends from tagext, tld file, declaration in web deployment descriptor

Question **17**

Not answered

Marked out of 1.00

Which is true about TLD files?

○ a. TLD files may be placed in any subdirectory of WEB-INF.

○ b. TLD files are used to configure JSP environment attributes, such as scripting-invalid.

○ c. TLD files can declare both Simple and Classic tags, but TLD files are NOT used to declare Tag files.

○ d. TLD files may be placed in the META-INF directory of the WAR file.

The correct answer is: TLD files may be placed in any subdirectory of WEB-INF.

Question **18**

Not answered

Marked out of 1.00

What is NOT true about RequestDispatcher in Servlet?

○ a. Uses include method, the control retains with the current Servlet and it just includes the processing done by the calling of Servlet or the JSP

○ b. Uses getRequestDispatcher() method to return the forward/include object

○ c. provides the facility of dispatching the request to another resource it may be html, servlet or jsp

○ d. uses forward method, the control is transferred to the next Servlet or JSP the application is calling

The correct answer is: Uses getRequestDispatcher() method to return the forward/include object

Question **19**

Not answered

Marked out of 1.00

In the request life cycle of Struts 2, which component invokes the Interceptors to apply the common functionalities?

○ a. ActionInvocation

○ b. ActionServlet

○ c. ActionMapping

○ d. FilterDispatcher

The correct answer is: ActionInvocation

Question **20**

Not answered

Marked out of 1.00

What does the FilterChain do?

○ a. It does nothing.

○ b. FilterChain is a function of the web.xml file

○ c. It invokes the next filter in the chain, or if the calling filter is the last filter in the chain, it invokes the resource at the end of the chain.

○ d. It invokes the first filter in the chain.

The correct answer is: It invokes the next filter in the chain, or if the calling filter is the last filter in the chain, it invokes the resource at the end of the chain.

Question **21**

Not answered

Marked out of 1.00

Which is the methods of generated Servlet??

○ a. _jspDestroy()

○ b. _jspService()

○ c. _jspInit()

○ d. _jspBuild()

The correct answers are: _jspInit(), _jspService(), _jspDestroy()

Question **22**

Not answered

Marked out of 1.00

Which Design Pattern does Struts2 Framework apply?

○ a. MVC 2 using Servlet as Controller

○ b. MVC 2 using Data Transfer Object as Controller

○ c. MVC 2 using DAO add Connect Database

○ d. MVC 2 using Filter as Controller

The correct answer is: MVC 2 using Filter as Controller

Question **23**

Not answered

Marked out of 1.00

Which following methods of HttpServlet class stores a resource under the request URL?

○ a. doDelete

○ b. doTrace

○ c. doGet

○ d. doHead

○ e. doPut

○ f. doPost

The correct answer is: doPut

Question **24**

Not answered

Marked out of 1.00

Choose the option to make jsp page as an error page?

○ a. isErrorPage= "true"

○ b. Session= "true"

○ c. isErrorPage= "false"

○ d. Session= "false"

Your answer is incorrect.

The correct answer is:
isErrorPage= "true"

Question **25**

Not answered

Marked out of 1.00

Choose the default scope value of this declared bean:

<jsp:useBean id="userlist" class="model.UserList"></jsp:useBean>

○ a. session

○ b. page

○ c. request

○ d. application

Your answer is incorrect.

The correct answer is:
page

Question **26**

Not answered

Marked out of 1.00

What is the output of this code

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<html><head>
        <title>JSP Page</title>
    </head>
    <body>
        <c:set var = "mark" scope = "session" value = "${8.3/2}"/>
        <p>Your mark is : <c:out value = "${mark}"/></p>
        <c:choose>
            <c:when test = "${mark <= 4}">
                Need a retake for this subject.
            </c:when>
            <c:when test = "${mark > 4}">
                You Pass.
            </c:when>
        </c:choose>
    </body></html>
```

○ a. Need a retake for this subject

○ b. You Pass.

○ c. Your mark is : 4.15

   You Pass.

○ d. Your mark is : 4.00

   Need a retake for this subject

Your answer is incorrect.

The correct answer is:
Your mark is : 4.15
You Pass.

Question **27**

Not answered

Marked out of 1.00

What is the relation between ValueStack and OGNL ?

Select one:

○ a. ValueStack and OGNL are 2 components in Struts 2 Framework

○ b. A ValueStack is a place where all the data related to action and the action itself is stored, while OGNL is a mean through which the data in the ValueStack is manipulated.

○ c. All of the others

○ d. A ValueStack is a place where all the data related to action and the action itself is stored. OGNL is an expression language.

Your answer is incorrect.

The correct answer is: A ValueStack is a place where all the data related to action and the action itself is stored, while OGNL is a mean through which the data in the ValueStack is manipulated.

Question **28**

Not answered

Marked out of 1.00

You can use the JSTL for tag to loop through most types of collections, including regular arrays.

Select one:
○ True
○ False

The correct answer is 'False'.

Question **29**
Not answered
Marked out of 1.00

CRUD stands for:

○ a. create, read, update, and delete

○ b. connect, read, update, and delete

○ c. create, read, upload, and download

○ d. concurrency, ready, update, and dependency

The correct answer is: create, read, update, and delete

Question **30**
Not answered
Marked out of 1.00

Which components are required to use custom tag in JSP pages?

○ a. Custom taglib class that extends from tagext, tags file, declaration in
both web.xml and JSP files

○ b. Custom taglib class that extends from Struts2, xml file

○ c. Custom taglib class that extends from JSTL, tld file, declaration in
context.xml file

○ d. Custom taglib class that extends from tagext, tld file, declaration in web deployment descriptor

The correct answer is: Custom taglib class that extends from tagext, tld file, declaration in web deployment descriptor

Question **31**
Not answered
Marked out of 1.00

How many objects of a servlet is created for request from clients?

○ a. Only one

○ b. Depends on servlet container

○ c. Depends on the number of request from clients

○ d. One per client

The correct answer is: Only one

Question **32**

Not answered

Marked out of 1.00

Which of the following statement are correct on Interceptors in Struts2 framework

Select one:

○ a. Methods in the Interceptors can be configured whether to execute or not

○ b. All of the others

○ c. Executes for all the request qualifies for a front controller.

○ d. Filter can now moved to interceptors, which is more controllable than filters

Your answer is incorrect.

The correct answer is: All of the others

Question **33**

Not answered

Marked out of 1.00

Life-cycle methods of a servlet

○ a. init(), service(), destroy()

○ b. init(), doFilter(), destroy()

○ c. doGet(), doPost(), doHead()
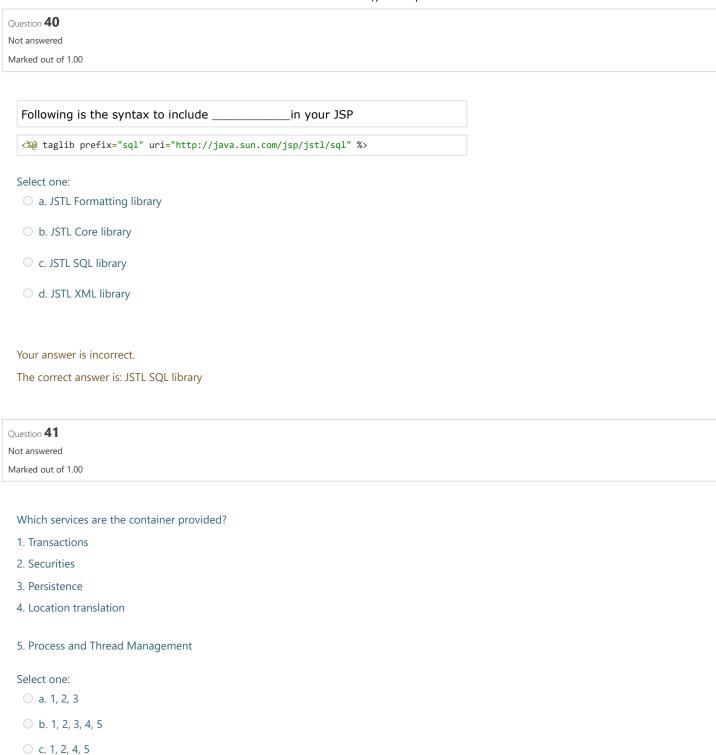
○ d. init(), doGet(), doPost(), destroy()

The correct answer is: init(), service(), destroy()

Question **34**

Not answered

Marked out of 1.00

Action classes are the components of

Select one:

○ a. View

○ b. Model

○ c. Controller

○ d. Deployment

Your answer is incorrect.

The correct answer is: Model

Question **35**

Not answered

Marked out of 1.00

You can use the test attribute to specify the Boolean condition for a when tag in JSTL.

Select one:

○ True

○ False

The correct answer is 'True'.

Question **36**

Not answered

Marked out of 1.00

How does container initialize Servlet Object at deploy time?

○ a. The servlet must be declared into context deployment descriptor with servlet tag

○ b. The servlet does not need to be declared

○ c. The servlet must be declared into web deployment descriptor with servlet tag

○ d. The servlet must be declared into web deployment descriptor with servlet-mapping tag

The correct answer is: The servlet must be declared into web deployment descriptor with servlet tag

Question **37**

Not answered

Marked out of 1.00

Before you can use JSTL tags within an application, you must make the jstl-impl.jar and jstl-api.jar files available to the application.

Select one:

○ True

○ False

The correct answer is 'True'.

Question **38**

Not answered

Marked out of 1.00

What is the return type of the getLastModified method of HttpServlet?

○ a. long

○ b. int

○ c. java.sql.Date

○ d. java.util.Date

The correct answer is: long

Question **39**

Not answered

Marked out of 1.00

Which one of the following must be done before authorization takes place?

Select one:

○ a. Data compression

○ b. Data encryption

○ c. Data validation

○ d. User authentication

○ e. Auditing

The correct answer is: User authentication

Question **40**

Not answered

Marked out of 1.00

Following is the syntax to include _____in your JSP

```
<%@ taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
```

Select one:

- a. JSTL Formatting library

- b. JSTL Core library

- c. JSTL SQL library

- d. JSTL XML library

Your answer is incorrect.

The correct answer is: JSTL SQL library

Question **41**

Not answered

Marked out of 1.00

Which services are the container provided?

1. Transactions

2. Securities

3. Persistence

4. Location translation

5. Process and Thread Management

Select one:

- a. 1, 2, 3

- b. 1, 2, 3, 4, 5

- c. 1, 2, 4, 5

- d. 1, 3, 5

The correct answer is: 1, 2, 3

Question **42**

Not answered

Marked out of 1.00

The deployment descriptor for a stateless session bean that uses the isCallerInRole method reads as follows:

3. <security-role-ref>
4. <role-name>manager</role-name>
5. <role-link>humanresources</role-link>
6. <security-role-ref>

16. <security-role>
17. <description>
18. Is allowed to view and update all employee records.
19. </description>
20. <role-name>humanresources</role-name>
21. </security-role>

Which two roles are responsible for creating this deployment descriptor? (Choose two.)

Select one or more:

☐ a. Application Assembler

☐ b. System Administrator

☐ c. Bean Provider

☐ d. Deployer

The correct answers are: Bean Provider, Application Assembler

Question **43**

Not answered

Marked out of 1.00

JSTL stands for

Select one:

○ a. JavaBean Standard Tag Library

○ b. Servlet Pages Standard Tag Library

○ c. Enterprise JavaBean Standard Tag Library

○ d. JavaServer Pages Standard Tag Library

Your answer is incorrect.

The correct answer is: JavaServer Pages Standard Tag Library

Question **44**

Not answered

Marked out of 1.00

The _____ method returns a string containing the value of the named initialization parameter

○ a. getInitParameter()

○ b. jspInit

○ c. getServletConfig()

○ d. init()

The correct answer is: getInitParameter()

Question **45**

Not answered

Marked out of 1.00

Which of the following methods is used for redirecting requests?

○ a. RequestDispatcher()

○ b. sendRedirect()

○ c. getHeader()

○ d. redirectRequest()

The correct answer is: sendRedirect()

Question **46**

Not answered

Marked out of 1.00

A _____has a name, a single value, and optional attributes such as a comment, path and domain qualifiers, a maximum age, and a version number

○ a. response

○ b. request

○ c. cookie

○ d. session

The correct answer is: cookie

Question **47**

Not answered

Marked out of 1.00

_____ provides a way to identify a user across more than one page request or visit to a Web site and to store information about that user.

Select one:

○ a. Session management

○ b. URL Rewrite

○ c. Hidden Field

○ d. Cookie

The correct answer is: Session management

Question **48**

Not answered

Marked out of 1.00

This method run smoothly without any runtime error. What will be wrong with it?
public int doSomething() throws Exception{

  Class.forName(driverName);

  Connection con= DriverManager.getConnection(dburl,us,pw) ;

  Statement stmt= con.createStatement();

  return stmt.executeUpdate("Update account set balance=balance*0.01 where balance>=100000");

}

○ a. There will be resource leaking as connection did not close after work.

○ b. The method can return 0 if there is no balance>=100000

○ c. Exception should be catched instead of throwing.

○ d. Nothing wrong

Your answer is incorrect.

The correct answer is:
There will be resource leaking as connection did not close after work.

Question **49**

Not answered

Marked out of 1.00

Which of the following tags in jsp file defines the availability of necessary Struts JSP custom tag libraries?

Select one:

○ a. jsp-lib

○ b. jsp-taglib

○ c. struts-taglib

○ d. taglib

Your answer is incorrect.

The correct answer is: taglib

Question **50**

Not answered

Marked out of 1.00

The Directory Structure of web application on different java web servers are:

○ a. Not the same and depend on specific web server

○ b. Depend on web development tool

○ c. All the same on any java web server

○ d. Depend on IDE tool.

The correct answer is: All the same on any java web server

◄ Workshop 2

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