Unit Test -6

Topic: JSP,EL and JSTL max marks:40

1.Which of the following are not jsp implicit objects.

A exception

B session

C request

D application

E servletcontext

2 Which of the following are not valid expression tags?

A <%= 13+4 %>

B <%= **new** java.util.Date() %>

C <%= 12 < 3; %>

D <%= 12>3 && 9<2 %>

E <%= 10 %>

3

<%! int x=10; %> ------1

<% ++x; %> -------2

<%= x%> ------------3

Which of the following statements are true about the above code.

A The above code prints 11 11 11 when executed thrice

B The above code prints 11 12 13 when executed thrice

C x is created as an instance variable inside the jspServlet.

C x is not accessible in statements 2 and 3

D Statement 3 has error, there should be a semicolon.

4

<% int x=12; %>

<%! int f1(){

out.println(x);

%>

What is the output: ?

A 12

B error because x is not accessible

C error because out is not accessible

D error because out not declared

5.

Mark the following in order of lifecycle of a jsp program 6 marks

A Translate The JSP into java source code

B compile source code and create a servlet

C call \_jspService()

D Instantiate the servlet class

E call jspInit()

F call jspDestroy()

6.

<% int x=12;

out.println(x);

%> gets translated to.

A public void \_jspService(some code){

int x=12;

PrintWriter out=response.getWriter();

out.print(x);}

B int x=12;

public void \_jspService(some code){

PrintWriter out=response.getWriter();

out.print(x);}

C

int x=12;

public void jspInit(){

PrintWriter out=response.getWriter();

out.print(x);}

}

7 Which of the following attributes are mandatory for action tag jsp:useBean.

A scope and id.

B id and class

C name and class

D name and scope

8

Which JSP expression tag will print the context initialization parameter named “javax.sql.DataSource”?

A <%= application.getAttribute(“javax.sql.DataSource”) %>

B <%= application.getInitParameter(“javax.sql.DataSource”) %>

C <%= request.getParameter(“javax.sql.DataSource”) %>

D <%= contextParam.getAttribute(“javax.sql.DataSource”) %>

9

Which of the following statements prints the value passed through request parameter called username.

A <%= request.getParameter(“username”) %>

B ${request.username}

C ${param.username}

D ${param[“username”]

10

If in a servlet I have

String names[]={“sam”,”smith”,”Johnson”,”james”};

request.setAttribute(“names”,names);

through requestdispatcher I am moving to Jsp1.jsp.then inside

what would be output for the following statements inside Jsp1.jsp

${names[1]}

${names[“1”]}

A sam

B sam smith

C sam sam

D smith smith

11

Java.util.Map elements=new java.util.HashMap();

Elements.put(“one”,”two”);

Elements.put(“two”,”one”);

Elements.put(“three”,”two”);

What statements are valid so that it prints two.

A ${elements.one}

B ${elements[“one”]}

C ${elements.three}

D ${elements[“three”]}

12

Which of these are EL implicit objects

A initparam

B cookie

C request

D session

13

In jstl.

<c:forEach \_\_\_\_\_\_\_\_\_=”x” \_\_\_\_\_\_\_\_=”${myList}”>

${x}

</c:forEach>

What should come in place of blanks.

A var and list

B varStatus and items

C var and items

D counter and items

14

<% Cookie ck[]=request.getCookies();

for(Cookie c:ck)

{

If(c.getName().equals(“username”))

out.print(c.getValue());

}

%>

Corresponding EL Expression for the above is:

A ${cookie[username].value}

B ${cookie.username.value}

C ${cookies.username}

D ${cookie.username}

15

What would be the output of the following expressions.

${35/0} and ${35%0}

A NullPointerException and NAN

B infinity and Exception

C Exception and 35

D None of the above

16 2 marks

What is the difference between <jsp:include..> and <%@ include file=”demo.jsp”…>

17

Which of the following are valid attributes for a page directive.

A isThreadSafe, import,ErrorPage,uri

B isThreadSafe, isErrorPage,session,import

C isThreadSafe, isErrorPage,isSession,import

D language,import,isErrorPage,file

18

<% java.util.ArrayList list=**new** java.util.ArrayList(); 5 marks

list.add("1");

list.add("2");

list.add("3");

request.setAttribute("list",list);

%>

What would be the output of the following statements.

I ${list[1] **eq** 1}

II ${list[0] **le** 1}

III ${list[1] >=2}

IV ${list[2] % 0}

V ${list[1] **and true** }

19 7 marks

Which of the following statements are true regarding JSTL.

1. JSTL are template libraries.
2. JSTL uses EL.
3. JSTL has <c:out>, <c:catch>,<c:url> elements.
4. In JSTL <c:dispatch> redirects to a new resource.
5. <c:if > and <c:else> are valid elements in jstl.
6. <sql:query> and <sql:update> are elements to interact with database.
7. Jstl has core, xml, formatting, sql libraries.

20 5 marks

Which are the different types of tags in JSP.

Give one Example for each. (Please don’t explain).