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; <u>%</u>>
    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).