1 What is the output of the following code?

<% session.setAttribute("name", "John"); %>

<%= session.getAttribute("John") %>

Ans:NULL

2 JavaServer Pages are processed by ?-----JSp container

3 What is the signature of method _jspService of HttpJspPage?----void _jspService(HttpServletRequest, HttpServletResponse) throws IOException,

ServletException

4statements is incorrect?----HttpServlet.destroy() throws ServletException

5 JavaServer Pages are processed by software on the ?----Servver

6 HttpServlet.service() thrwos ServletException and IOException-----HTML

7 The method _jspService of HttpJspPage should not be overriden by a JSP author-----TRUE

8 Which one of the following is a valid argument for a JSP page directive?----isThreadSafe="yes|no"

9 What is the signature of method jspDestroy of JspPage?---void jspDestroy()

10 What is the output of the following code?

<% session.setAttribute("name", "John"); %>

<%= session.getAttribute("name") %>---john

1 Which of these are legal attributes of page directive. Select the two

correct answers.----errorpage

2 JSP pages have access to implicit objects that are exposed automatically. One such object that is

available is request. The request object is an instance of which class?----HttpServletRequest

3 Which of the following JSP variables are not available within a JSP expression. Select the one

correct answer.------httpsession

4 What is the return type of the getLastModified method of HttpServlet?----long

5 Is the following statement true or false. If the isThreadSafe attribute of the page directive is false,

then the generated servlet implements the SingleThreadModel interface.----TRUE

6 What gets printed when the following JSP code is invoked in a browser. Select the one correct

answer.

<%= if(Math.random() < 0.5) %>

hello

<%= } else { %>

hi

<%= } %>-----The JSP file will not compile.

7 Name the default value of the scope atribute of <jsp:usebean>.---page

8 What gets printed when the following is compiled. Select the one correct answer.

<% int y = 0; %>

<% int z = 0; %>

<% for(int x=0;x<3;x++) { %>

<% z++;++y;%>

<% }%>

<% if(z<y) {%>

<%= z%>

<% } else {%>

<%= z 1%>

<% }%>-----2

9 The methods jspInit and jspDestroy of JspPage may be overriden by a JSP author---TRUE

10-What is the signature of method jspInit of JspPage?----void jspInit()

1> JSP pages have access to implicit objects that are exposed automatically. Name the implicit object

that is of type HttpSession.-----session

2> Is the following JSP code legal? Select the one correct statement.

<%@page info="test page" session="false"%>

<%@page session="false"%>----No. This code will generate syntax errors.

3> true about include directive----When using the include directive, the JSP container treats the file to be included as if it was

part of the original file.

4> When using the include directive, the JSP container treats the file to be included as if it was

part of the original file.---contentType

5> Name the implicit variable available to JSP pages that may be used to access all the other implicit objects.-----pageContext
6> This pageContext object is an instance of type javax.servlet.jsp.PageContext, and provides methods
7> like getPage(), getRequest(), etc. to access other input variables.-----HttpServletRequest
8> In <jsp:getProperty /> which two attributes is necessary----name and property
9> not directive?----scriptlet
10> In <jsp:include> which attributes are used----page and flush
11> Which is true by default?----isThreadSafe
12> correct scopes into JSP----page, request, session, application
13> not attributes of Page directive-----isThreadSafe

14> attributes for <jsp: plugin />

   1. code,align, archive,height, hspace, name,

   2. nspluginurl, iepluginurl jrevision, type

   3. vspace, title, and width------123

14> In <jsp:useBean> which two attributes is necessary-----class and id is necessary

correct for include Action-----It allow dynamic include

15> What is the result of adding following header?

response.addDateHeader("Expires",1);----To ensure the page does not get cached at the client browsers.

16> How you can make jsp page as error page-----isErrorPage ="true"
17> pageContext is an implicit object in jsp.------TRUE
18> config is an implicit object in jsp.-----TRUE

19> Which represents a correct syntax for usebean-----<jsp:usebean id="fruit type ="String"/>
20> A JSP page called test.jsp is passed a parameter name in the URL using http://localhost/test.jsp?

name="John". The test.jsp contains the following code.

<%! String myName=request.getParameter();%>

<% String test= "welcome" + myName; %>

<%= test%>--------------------The program gives a syntax error because of the statement

<%! String myName=request.getParameter();

Ques 1 :

What is the key difference between using a <jsp:forward> and HttpServletResponse.sendRedirect()?

(A) The two methods perform identically.

(B) forward executes on the client while sendRedirect() executes on the server.

(C) forward executes on the server while sendRedirect() executes on the client.

Ans:C

Ques 2 :

How many numbers gets printed when the following JSTL code fragment is executed? Select the one correct answer.

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

<c:set var="item" value="2"/>

<c:choose>

<c:when test="${item>0}">

<c:out value="1"/>

</c:when>

<c:when test="${item==2}">
```

```
<c:out value="2"/>

</c:when>

<c:when test="${item<2}">

<c:out value="3"/>

</c:when>

<c:otherwise>

<c:out value="4"/>

</c:otherwise>

</c:choose>
```

(A) One number gets printed.

(B) Two numbers gets printed.

(C) Three numbers gets printed.

(D) Four numbers gets printed.

Ans:A

Ques 3 :

What is the effect of executing the following JSP statement, assuming a class with name Employee exists in classes package.

```
<%@ page import = "classes.Employee" %> <jsp:useBean id="employee" class="classes.Employee" scope="session"/> <jsp:setProperty name="employee" property="*"/>
```

(A) The code does not compile as property attribute cannot take * as a value.

(B) The code sets value of all properties of employee bean to "*".

(C) The code sets the values of all properties of employee bean to matrching parameters in request object.

(D) The code does not compile as there is no property attribute of setProperty tag.

Ans:C

Ques 4 :

Which numbers gets printed when the following JSTL code fragment is executed? Select the correct answers.

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

<c:set var="j" value="4,3,2,1"/>

<c:forEach items="${j}" var="item" begin="1" end="2">
```

```
<c:out value="${item}" default="abc"/>

</c:forEach>
```

(A) 1

(B) 4

(C) 2

(D) abc

Abs:2

Ques 5 :

Which of the following correctly represents the following JSP statement. Select the one correct answer.

(A) x=1;

(B) x=1;

(C) x=1;

(D) x=1;

Ans:

Ques 6 :

Which of the following correctly represents the following JSP statement. Select the one correct answer.

(A) x

(B) x

(C) x

(D) x

Ans:

Ques 7 :

Why beans are used in J2EE architecture in stead of writing all the code in JSPs?

(A) Allows separation of roles between web developers and application developers

(B) Allows integration with Content Management tools

Ans:A

Ques 8 :

 Why DB connections are not written directly in JSPs ?

(A) Not a standard J2EE architecture

(B) Load Balancing is not possible

(C) All the above

(D) Both (b) and (c)

Ans:D

Ques 9 :

A JSP page called test.jsp is passed a parameter name in the URL using http://localhost/test.jsp?name="John". The test.jsp contains the following code.

1   <%! String myName=request.getParameter();%>

2   <% String test= "welcome" + myName; %>

3   <%= test%>

(A) The program prints "Welcome John"

(B) The program gives a syntax error because of the statement 1

(C) The program gives a syntax error because of the statement 2

(D) The program gives a syntax error because of the statement 3

Ans:B

Ques 10 :

What gets printed when the following JSTL code fragment is executed? Select the one correct answer.

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

  <c:set var="item" value="2"/>

  <c:forEach var="item" begin="0" end="0" step="2">

  <c:out value="${item}" default="abc"/>

  </c:forEach>

    The JSTL code does not compile as an attribute for forEach tag is not correct.

(A) 0

(B) ABC

(C) 2

(D) Nothing gets printed as c.out statement does not get executed.

Ans:2

Ques 11 :

 How many numbers are printed, when the following JSTL code fragment is executed? Select the one correct answer.

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

${item}

(A) 1

(B) 5

(C) 6

(D) 11

Ans:6

Ques 12 :

Which of these represent the correct path for the core JSTL library in JSTL version 1.1? Select the one correct answer.

(A) http://java.sun.com/jsp/jstl/core

(B) http://java.sun.com/jsp/core

(C) http://java.sun.com/core

(D) http://java.sun.com/jsp/jstl1.1/core

Ans:A

Ques 13 :

Given that www.example.com/SCWCDtestApp is a validly deployed Java EE web application and that all of the JSP files specified in the requests below exist in the locations specified.Which two requests, issued from a browser, will return an HTTP 404 error?

(A) http://www.example.com/SCWCDtestApp/test.jsp

(B) http://www.example.com/SCWCDtestApp/Customer/test.jsp

(C) http://www.example.com/SCWCDtestApp/WEB-INF/test.jsp

(D) http://www.example.com/SCWCDtestApp/Customer/Update/test.jsp

Ans:C

Ques 14 :

 Which of the following are correct. Select the one correct answer.

(A) JSP scriptlets and declarations result in code that is inserted inside the _jspService method.

(B) The JSP statement <%! int x; %> is equivalent to the statement int x;.

(C) The following are some of the predefined variables that maybe used in JSP expression - httpSession, context.

(D) To use the character %> inside a scriptlet, you may use %\> instead.

Ans:D

Ques 15 :

Which of the following is legal JSP syntax to print the value of i. Select the one correct answer

(A) <%= i; %>

(B) <%int i = 1;%>

(C) <%int i = 1; i; %>

(D) <%int i = 1%>

Ans:D

Ques 16 :

What gets printed when the following is compiled. Select the one correct answer.

```
<% int y = 0; %>
<% int z = 0; %>


<% for(int x=0;x<3;x++) { %>
<% z++;++y;%>
<% }%>
<% if(z<y) {%>
<%= z%>
<% } else {%>
<%= z - 1%>
<% }%>
```

(A) 1

(B) 2

(C) 3

(D) The program generates compilation error.

Ans:3

Ques 17 :

Which of the following JSP variables are not available within a JSP expression. Select the one correct answer.

(A) out

(B) httpsession

(C) session

(D) request

Ans:B

Ques 18 :

What gets printed when the following JSTL code fragment is executed? Select the one correct answer.

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

```
<c:set var="item" value="2"/>

<c:if test="${var==1}" var="result" scope="session">

<c:out value="${result}"/>

</c:if>
```

(A) true

(B) The JSTL code does not compile as attribute for if tag are not correct.

(C) false

(D) Nothing gets printed.

Ans:C

Ques 19 :

What gets printed when the following JSP code is invoked in a browser. Select the one correct answer.

```
<%= if(Math.random() < 0.5) %>

  hello

<%= } else { %>

  hi

<%= } %>
```

(A) The browser will print either hello or hi based upon the return value of random.

(B) The string hello will always get printed.

(C) The string hi will always get printed.

(D) The JSP file will not compile.

Ans:D

Ques 20 :

In JSP, how can you know what HTTP method (GET or POST) is used by client request ?

(A) by using request.setMethod()

(B) impossible to know

(C) by using request.getMethod()

Ans:C

Ques 1 : JSP used for ?

(A) Server Side Programming

(B) Client Side Programming

(C) Both

(D) None of These

Ans:A

Ques 2 : Consider the following code and select the correct statement about it from the options below.

    <%! int aNum = 5%>

    The value of aNum is <%= aNum%>

(A) It will not flag any compile-time or runtime errors and will not print anything to the output.

(B) It will print "The value of aNum is 5" to the output.

(C) It will flag a compile-time error because of an incorrect declaration.

(D) It will throw a runtime exception while executing the expression.

Ans:A

Ques 3 : Which of the following tags can you use to print the value of an expression to the output stream?

(A) <%@ %>

(B) <%! %>

(C) <% %>

(D) <%= %>

Ans:D

Ques 4 : The following declaration is valid or not?

<%@ page buffer="8kb", session="false" %>

(A) Valid

(B) Invalid

Ans:B

Ques 5 : The following declaration is valid or not?

<%@ page import="org.pskills.dbconnection.* " %>

<%@ page session="true" %>

<%@ page import="java.text.*" %>

(A) Valid

(B) Invalid

Ans: A

Ques 6 : The following declaration is valid or not?

```
<%@ page bgcolor="navy" %>
```

(A) Valid

(B) Invalid

Ans:B

Ques 7 : The following declaration is valid or not?

```
<%@ page buffer="true" %>
```

(A) Valid

(B) Invalid

Ans:B

Ques 8 : The following declaration is valid or not?

```
<%@ Page language='java' %>
```

(A) Valid

(B) Invalid

Ans:B

Ques 9 : Which of the following methods is defined by the JSP engine?

(A) jspInit()

(B) _jspService()

(C) _jspService(HttpServletRequest, HttpServletResponse)

(D) jspDestroy()

Ans:C

Ques 10 : What will be the output of the following code?

```
<% int x = 5; %>
<%! int x = 10; %>
<%! int y = 50; %>
```

The value of b multiplied by a is <%= y * x %>

(A) The code will not compile

(B) 30

(C) 250

(D) 500

Ans:C

Ques 11 : What will be the output of the following code?

```
<% x = 30; %>

<% int x = 200; %>

<%! int x = 300; %>

x = <%= x %>, <%= this.x %>
```

(A) x = 200, 30

(B) x = 300, 30

(C) x = 30, 30

(D) x = 200, 200

Ans:D

Ques 12 : Which of the following exceptions may be thrown by the _jspService() method?

(A) javax.servlet.jsp.JSPException and java.io.IOException

(B) javax.servlet.jsp.JSPException

(C) javax.servlet.ServletException and javax.servlet.jsp.JSPException

(D) javax.servlet.ServletException and java.io.IOException

Ans:D

Ques 13 : Which are valid and invalid ?

a <%=myObj.m1(); %>

b <% int x=4, y=5; %>

c <%=x=y%>

d <% myObj.m1(); %>

(A) a valid, b,c,and d are invalid

(B) a invalid, b,c adn d are valid

(C) all valid

(D) all invalid

Ans:B

Ques 14 : What will be the output of following code?

```
<%@ page language='java' %>

<%

int x = 0;
```

```
int incr()

{

        return ++x;

}
```
%>

The value of x is <%=incr()%>

(A) The value of x is 0

(B) The value of x is 1

(C) The value of x is 2

(D) Error in Code.

Ans:D

Ques 15 : What will be the output of following code?

<% int x = 3; %>

<%! int x = 5; %>

<%! int y = 6; %>

The sum of x and y is <%=x+y%>

(A) The sum of x and y is 11

(B) The sum of x and y is 6

(C) The sum of x and y is 9

(D) The sum of x and y is 3

Ans:C

Ques 16 : How much implicit object in JSP?

(A) 7

(B) 8

(C) 9

(D) None of These.

Ans:9

Ques 17 : Which is not a implicit object in JSP?

a) pageContext

b) pageConfig

c) config

d) context

e) page

f) exception

g) Exception

(A) b,d and f

(B) b,d and g

(C) a,c and g

(D) a,b and e

Ans:A

Ques 18 : What is the term for determining whether a user has access to a particular resource?

(A) Authorization

(B) Authentication

(C) Confidentiality

(D) Secrecy

Ans:A

Ques 19 : Which is not a valid syntax in JSP?

(A) request.authenticate(response)

(B) request.getAttributes("email")

(C) request.getCookies()

(D) None of These

Ans:B

Ques 20 : What will be the output of the following code? (Select one)

<html>

<body>

The value is <%=""%>

</body>

</html>

(A) Compilation error

(B) Runtime error

(C) The value is

(D) The value is null

Ans:C

1.) What programming language(s) or scripting language(s) does Java Server Pages (JSP) support?

Options are:

A.) VB Script

B.) Java only

C.) Any Programming Lanuage Code

D.) Java Script

View Answer

Correct Option: B

2.) What method is used to specify a container's layout in JSP?

Options are:

A.) setConLayout()

B.) setContainerLayout()

C.) setLayout()

D.) layout()

View Answer

Correct Option: C

3.) Which method of the Component class is used to set the position and size of a component in JSP?

Options are:

A.) setPosition()

B.) setBounds()

C.) setSizePosition()

D.) setSize()

View Answer

Correct Option: B

5.) Which class in JSP provides the capability to implement a growable array of objects?

Options are:

A.) Vector Class

B.) Dynamic Array Class

C.) Container Class

D.) Array Class

View Answer

Correct Option: A

6.) In JSP, the classes that allow primitive types to be accessed as objects are known as

Options are:

A.) Object classes

B.) UnBoxing classes

C.) Boxing classes

D.) Wrapped classes

View Answer

Correct Option: D

7.) In JSP, a Canvas object provides access to a Graphics object via one of its method called:

Options are:

A.) getCanvas()

B.) paint()

C.) getPaint()

D.) getGraphics()

View Answer

Correct Option: B

1> correct syntax for usebean-----<jsp:usebean id="fruit type ="String"/>
2> A JSP page called test.jsp is passed a parameter name in the URL using http://localhost/test.jsp?

name="John". The test.jsp contains the following code.

<%! String myName=request.getParameter();%>

<% String test= "welcome" + myName; %>

<%= test%>----------The program gives a syntax error because of the statement

<%! String myName=request.getParameter();%>

3> correct--To use the character %> inside a scriptlet, you may use %> instead.
4> A bean with a property color is loaded using the following statement

<jsp:usebean id="fruit" class="Fruit"/>

What happens when the following statement is executed. Select the one correct answer.

<jsp:setProperty name="fruit" property="*"/>---------

------All the properties of the fruit bean are assigned the values of input parameters of the JSP page

that have the same name.

5> A bean with a property color is loaded using the following statement

<jsp:usebean id="fruit" class="Fruit"/>

Which of the following statements may be used to set the of color property of the bean. Select the one correct

--------<jsp:setProperty name="fruit" property="color" value="white"/>

6> What gets printed when the following JSP code is invoked in a browser. Select the one correct

answer.

<%= if(Math.random() < 0.5) %>

hello

<%= } else { %>

hi

<%= } %>------The JSP file will not compile.

7> Which of JSP variables are not available within a JSP expression.------httpsession

Is the following statement true or false. If the isThreadSafe attribute of the page directive is false,

then the generated servlet implements the SingleThreadModel interface.-----TRUE

8> A bean with a property color is loaded using the following statement

<jsp:usebean id="fruit" class="Fruit"/>

Which of the following statements may be used to print the value of color property of the bean. Select the one

correct answer.

----------<jsp:getProperty name="fruit" property="color"/>

9> Name the default value of the scope atribute of <jsp:usebean>.-------page

1> examples of JSP directive----include
2> Assume that you need to write a JSP page that adds numbers from one to ten, and then print the

output.

<% int sum = 0;

for(j = 0; j < 10; j++) { %>

// XXX Add

j to sum

<% } %>

// YYY Display

ths sum---------<% sum = sum + j; %>

3> A Java bean with a property color is loaded using the following statement

<jsp:usebean id="fruit" class="Fruit"/>

What is the effect of the following statement.

<jsp:setproperty name="fruit" property="color"/>

--------if there is a nonnull

request parameter with name color, then its value gets assigned to color

property of Java Bean fruit.

4>   Name the implicit variable available to JSP pages that may be used to access all the other implicit

objects.-----pageContext

5>   JSP pages have access to implicit objects that are exposed automatically. One such object that is

available is request. The request object is an instance of which class?-----HttpservletRequest

6>   JSP pages have access to implicit objects that are exposed automatically. Name the implicit object

that is of type HttpSession.-----session

7>   Which of the following represents the XML equivalent of this statement <%@ include

file="a.jsp"%> .-----<jsp:directive.include file="a.jsp"/>

8>   The page directive is used to convey information about the page to JSP container. Which of these

are legal syntax of page directive. Select the one correct statement----<%@ page info="test page" session="false"%>

9>   Is the following JSP code legal? Select the one correct statement.

<%@page info="test page" session="false"%>

<%@page session="false"%>----No. This code will generate syntax errors.

10>   The default value of isThreadSafe attribute of page directive is true.
11>   Which of these are legal attributes of page directive. the one correct answers.-----page
12>   A JSP page needs to generate an XML file. Which attribute of page directive may be used to

specify that the JSP page is generating an XML file.---contentType

1>   Which of the following phone is when you would get the code in JSP converted to Java ?--translation
2>   Can you use the implicit objects in the declaration element of JSP ?---no
3>   Which of the following method should not be overriden in JSP---_jspservice
4>   What is the name of the JSP Element type looks like----Scriptlet
5>   Which is not an implicit object ?----object
6>   Should the code in JSP element declaration type end with a semicolon?-----yes