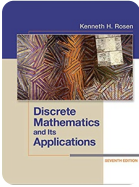


PRJ301

Những người khác cũng đã xem các sách giáo khoa sau



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Kenneth Rosen

4.283 lời giải

Tim kiếm sách giáo khoa hoặc câu hỏi >

Thuật ngữ trong học phần này (555)

Given the HTTP message fragment: HTTP/1.1
500 Internal Server Errors Choose the
correct statement Select one:

a. The fragment message describes the
request line of HTTP response message

b. None of the others

c. The fragment message describes the status
line of HTTP response message

d. The fragment message describes the status
line of HTTP request message

e. The fragment message describes the
header information of HTTP response
message

c

- Thêm vào lớp học hoặc thư mục
- In
- Ghép
- Nhúng
- Báo cáo

<p>A JSP page called test.jsp is passed a parameter name in the URL using <code>http://localhost/Final/test.jsp?name=John</code>. The test.jsp contains the following code.</p> <pre><% String myName=request.getParameter("name");%> <% String test= "Welcome " + myName; %> <%=test%></pre> <p>What is the output? Select one:</p> <ul style="list-style-type: none">a. The program gives a syntax error because of the statement <code><%=test%></code>b. The program gives a syntax error because of the statement <code><% String myName=request.getParameter("name");%></code>c. The program gives a syntax error because of the statement <code><% String test= "Welcome " + myName; %></code>d. None of the others.e. The page display "Welcome John"	e
<p>Which scripting element lets you define methods or fields that get inserted into the main body of the servlet class (outside of the <code>_jspService</code> method that is called by service to process the request)? Select one:</p> <ul style="list-style-type: none">a. expressionb. scriptletc. None of the othersd. declaratione. comment	d
<p>Which method returns the actual length of the request sent by the client? Select one:</p> <ul style="list-style-type: none">a. <code>getLength()</code>b. None of the othersc. <code>getParameter()</code>d. <code>getServerName()</code>e. <code>getAttribute()</code>	a
<p>Which of the followings is a correct syntax of the method that is used to get the initialized parameter in <code>ServletContext</code> or <code>ServletConfig</code>? Select one:</p> <ul style="list-style-type: none">a. <code>String getInitializedParameter(String name);</code>b. <code>String getInitParameter(String name);</code>c. All of the others.d. <code>String getContextParameter(String name);</code>	b

<p>To send text output in a response, the following method of HttpServletResponse may be used to get the appropriate Writer/Stream object. Select one or more:</p> <ul style="list-style-type: none">a. getOutputStreamb. getBinaryStreamc. getStreamd. getWriter	<p>a,d</p>
<p>Which of the following statements about Web Container is true? Select one:</p> <ul style="list-style-type: none">a. Container is a program, which manages the execution of servletsb. A Web application is accessible to all users connected to the Webc. The performance of a servlet is independent of the efficiency of the containerd. The Web Container takes request from a servlet and passes it to a Web Server for processinge. None of the others	<p>a</p>
<p>Which of the following represents the XML equivalent of this statement <code><%@ include file="a.jsp"%></code> .</p> <p>Select one correct statement.</p> <p>Select one:</p> <ul style="list-style-type: none">a. <code><jsp:include page="a.jsp"/></code>b. There is no XML equivalent of include directive.c. <code><jsp:directive.include file="a.jsp"/></code>d. None of the otherse. <code><jsp:include file="a.jsp"/></code>	<p>c</p>
<p>Which of the following attributes of the Page directive is used to specify the page to display errors which may occur in the JSP page? Select one:</p> <ul style="list-style-type: none">a. excptionb. isErrorPagec. Errord. None of the otherse. errorPage	<p>e</p>

<p>Name the implicit variable available to JSP pages that may be used to access all the other implicit objects. Select one:</p> <p>a. pageContext b. request c. response d. page e. out</p>	a
<p>Which of the following statement is an expression in scripting element? Select one:</p> <p>a. <code><%= for(int i=0; i<n; i++) {out.println(i)} %></code> b. <code><%= x + y - 8 %></code> c. All of the others d. <code><%= x + y; %></code></p>	b
<p>Given a JSP code fragment <code><% int a = Integer.parseInt("a"); %></code> Choose the correct statement Select one:</p> <p>a. The code is generated in <code>jspInit</code> method by JSP engine b. None of the others c. The code is generated in <code>_jspService</code> method by JSP engine d. The code is generated besides of <code>_jspService</code> method by JSP engine</p>	c
<p>Which of the following statements about Request and Response message structure is false? Select one:</p> <p>a. Request message structure consists of request line and header information b. Request line returns the User-Agent along with the Accept header c. Header information in response message contains information such as server, last modified date, content-length and content type d. None of the others</p>	b

<p>Assume that you need to write a JSP page that adds numbers from one to ten, and then print the output.</p> <pre><% int sum = 0; for(j = 0; j < 10; j++) { %> <% // XXX --- Add j to sum %> <% } %> <% // YYY --- Display ths sum %></pre> <p>Which statement when placed at the location XXX can be used to compute the sum. Select the one correct statement Select one:</p> <p>a. = sum = sum + j; b. sum = sum + j c. = sum = sum + j d. sum = sum + j;</p>	d
<p>Which of the following statements about the Servlet is false? Select one:</p> <p>a. Servlets are portable b. Initialization code in servlets is executed every time the program is made to run c. None of the others d. Servlets are easy to use</p>	b
<p>A JSP page needs to perform some operations before servicing the first request. Where can this be done? Select one:</p> <p>a. within the page directive of the JSP page b. within a method called jsplnit c. within a scriptlet at the top of the JSP page d. within the XML element</p>	b
<p>In a JSP life cycle, which of the following phases produces a Java Servlet (with extension *.java) file? Select one:</p> <p>a. None of the others b. Initialization c. Instantiation d. Compilation e. Translation</p>	e

<p>Given a JSP error page, which implicit object refers to the uncaught Throwable that resulted in the page being invoked? Select one:</p> <ul style="list-style-type: none">a. request.exceptionb. errorc. throwabled. None of the otherse. exception	e
<p>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? Select one:</p> <ul style="list-style-type: none">a. <code><%@page contentType = "text/html"></code>b. None of the othersc. <code><%@page contentType = "html/xml"></code>d. <code><%@page contentType = "xml"></code>e. <code><%@page contentType = "text/xml"></code>	e
<p>Which of the following request dispatching techniques can be used to include the content of another servlet into the current output stream? Select one:</p> <ul style="list-style-type: none">a. includeb. forwardc. None of the others.d. redirect	a

<p>Consider the description:</p> <ul style="list-style-type: none">-The method is called by the servlet container in response to a client request- The method is implemented in HttpServlet classes- The method accepts a HttpServletRequest and HttpServletResponse as parameters- The method dispatches to the appropriate doXXX() methods- The method is one of important methods in Servlet Life Cycle <p>What's the method's name?</p> <p>Select one:</p> <ul style="list-style-type: none">a. serviceb. None of the othersc. processRequestd. doPoste. doGet	a
<p>Which object(s) can be used in JSP without declaring or initializing?</p> <p>Select one:</p> <ul style="list-style-type: none">a. Server objectb. Java objectsc. Request objectd. Implicit objectse. None of the others	d
<p>User-defined Servlets use two methods such are: Select one:</p> <ul style="list-style-type: none">a. init and postb. get and postc. init and destroyd. init and gete. None of the others	c

Consider the following code statement:
`response.sendRedirect("/abc/FinalServlet");`
Assume that the current context root of application is Final.

Which of the following statements about the servlet container translating above code statements to the following URL is true?

1.
`http://localhost:8080/Final/abc/FinalServlet`
2. `http://localhost:8080/abc/FinalServlet`
3. `http://localhost:8080/FinalServlet/abc`
4.
`http://localhost:8080/FinalServlet/abc/Final`

Select one:

- a. None of the others
- b. 2, 3
- c. 1
- d. 1, 4
- e. 2

e

What will be printed when the following JSP code is invoked in a browser.

Select the one correct answer.

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

hello

```
<%= } else { %>
```

hi

```
<%= } %>
```

Select one:

- a. The browser will print either hello or hi based upon the return value of random.
- b. The JSP file will not compile.
- c. The string hello will always get printed.
- d. The string hi will always get printed.
- e. None of the others.

b

Which of the following files are the correct name and location of deployment descriptor of a web application. Assume that the web application is rooted at \doc-root. Select the one correct answer

Select one:

- a. \doc-root\dd.xml
- b. \doc-root\WEB-INF\dd.xml
- c. \doc-root\WEB-INF\web.xml
- d. \doc-root\WEB-INF\web.xml
- e. \doc-root\WEB-INF\dd.xml
- f. None of the others
- g. \doc-root\web.xml

d

Consider the following declarations:

1.
GET http://cms.fpt.edu.vn/index.jsp HTTP/1.1
Accept: image/*, application/vnd.txt
Accept-Language: en-cd
User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 4.0) Host: www.fpt.edu.vn

2. HTTP/1.0 404 File Not Found
Connection: Close
Date: Sat, 07 Aug 2010 08:30:30 GMT
Content-Type: text/html
Server: J2EE/ 2.0

Which of the following statements is true?
Select one:

- a. The first fragment text describes the HTTP Response
- b. The second fragment text describes the HTTP Request
- c. None of the others
- d. The first fragment text describes the HTTP Request

d

When a Web server responds to a request from a browser or other Web client, the response typically consists of: (choose one)
Select one:

- a. a status line, some response headers, and the document.
- b. None of the others
- c. a status line, some response headers, a blank line, and the document.
- d. a status line, a blank line, and the document.
- e. a blank line, a status line, some response headers and the document.

c

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.

```
5. <%! String  
myName=request.getParameter();%>  
6. <% String test= "welcome" + myName; %>  
7. <%= test%>
```

Select one:

- a. The program gives a syntax error because of the statement 6.
- b. None of the others.
- c. The program gives a syntax error because of the statement 7.
- d. The program prints "Welcome John"
- e. The program gives a syntax error because of the statement 5.

e

Which of these are true about deployment descriptors?

b

Select one:

- a. The servlet-mapping element, if defined, must be included within the servlet element.
- b. The order of elements in deployment descriptor is important. The elements must follow a specific order
- c. The elements of deployment descriptor are case insensitive
- d. The web-app element must include the servlet element
- e. None of the others

What will be the outcome of executing the following code?

f

```
public void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    response.setContentType("text/plain");
    response.setContentLength(6);
    PrintWriter out = response.getWriter();
    out.write("What's your name? ");
    out.write("" + response.isCommitted()); }
```

Select one:

- a. An IllegalArgumentException is thrown.
- b. A blank page is returned to the client.
- c. "What's your name?" is returned to the client.
- d. An IllegalStateException is thrown.
- e. Won't execute because of a compilation error.
- f. "What's" is returned to the client.
- g. None of the others.

<p>When a specific request is processed, some servlets must be called and they need to access some common data. These common data should be put to dynamic variables in the scope(select the most correct option).</p> <p>Select one:</p> <ul style="list-style-type: none">a. None of the others.b. requestc. applicationd. session	b
<p>The JSP developer wants a comment to be visible in the final output to the browser. Which comment style needs to be used in a JSP page?</p> <p>Select one:</p> <ul style="list-style-type: none">a. None of the othersb. <code><%-- this is a comment --%></code>c. <code><!-- this is a comment --></code>d. <code><% /* this is a comment */ %></code>e. <code><% // this is a comment %></code>	c
<p>Which HTTP method represents a request for information about the supported methods on an HTTP server?</p> <p>Select one:</p> <ul style="list-style-type: none">a. None of the othersb. HEADc. OPTIONSd. TRACEe. GET	c
<p>Which sub-element is used to define a logical name of servlet in web deployment descriptor?</p> <p>Select one:</p> <ul style="list-style-type: none">a. All of the other choicesb. url-patternc. servlet-named. servlet-class	c

<p>Which of these statements is true about the Filter implementation?</p> <p>Select one:</p> <p>a. The doFilter(request, response) method examines the request or response headers and also customises them as per requirement</p> <p>b. All of the others</p> <p>c. The Filter Interface must be implemented to create a filter class</p> <p>d. The init() method is called by the servlet container many times to initialise the filter</p>	c
<p>Given a scoped attribute cart exists only in a user's session.Choose the option taken the cart from session and assign it to the attribute.</p> <p>Select one:</p> <p>a. <code><c:set var="cart" value="\${sessionScope[].cart}"/></code></p> <p>b. <code><c:set var="cart" value="\${sessionContext.cart}"/></code></p> <p>c. <code><c:set var="cart" value="\${session.cart}"/></code></p> <p>d. None of the others.</p> <p>e. <code><c:set var="cart" value="\${sessionScope.cart}"/></code></p>	e
<p>Given a web application in which the request parameter productID contains a product identifier. Which EL expression evaluates the value of the productID?</p> <p>Select one:</p> <p>a. <code>\${productID}</code></p> <p>b. None of the others</p> <p>c. <code>\${pageContext.request.productID}</code></p> <p>d. <code>\${param.productID}</code></p>	d
<p>Which JSTL code snippet can be used to import content from another web resource?</p> <p>Select one:</p> <p>a. <code><c:import url="foo.jsp"/></code></p> <p>b. <code><c:import page="foo.jsp"/></code></p> <p>c. All of the others</p>	a

<p>Which of the following statement is true about the Session Listeners?</p> <p>Select one:</p> <p>a. HttpSessionBindingListener must not register in web deployment descriptor</p> <p>b. HttpSessionBindingListener must register in web deployment descriptor</p> <p>c. None of the others</p> <p>d. ServletContextListener must not register in web deployment descriptor</p> <p>e. ServletContextAttributeListener must not register in web deployment descriptor</p>	a
<p>Which of the following statement relating to Hidden form fields is incorrect?</p> <p>Select one:</p> <p>a. The session information can be extracted by the application by searching for Hidden form fields</p> <p>b. Hidden form fields send information from one HTML page to another thereby maintaining the connection between the two pages</p> <p>c. All of the others</p> <p>d. The servlets or JSP page read the Hidden form fields using response.sendParameter</p>	d
<p>Which of the following attributes of the Page directive is used to specify the page to display errors which may occur in the JSP page?</p> <p>Select one:</p> <p>a. None of the others</p> <p>b. Error</p> <p>c. excption</p> <p>d. errorPage</p> <p>e. isErrorPage</p>	d

Which of the following is a incorrect syntax of the `getAttribute()` method?

Select one or more:

- a. `public Object getAttribute(String name)`
- b. `public Name getAttribute(String name)`
- c. `public Object getAttribute(String name, Object obj)`
- d. `public Object getAttribute(Object obj)`

b,c,d

Given:

```
<filter>
```

```
<filter-name>FilterF</filter-name>
```

```
</filter-class>sample.servlet.Filter1</filter-  
class>
```

```
</filter>
```

```
<filter>
```

```
<filter-name>FilterE</filter-name>
```

```
</filter-class>sample.servlet.Filter2</filter-  
class>
```

```
</filter>
```

```
<filter-mapping>
```

```
<filter-name>FilterF</filter-name>
```

```
</url-pattern>FilterServlet</url-pattern>
```

```
</filter-mapping>
```

```
<filter-mapping>
```

```
<filter-name>FilterE</filter-name>
```

```
</url-pattern>FilterServlet</url-pattern>
```

```
</filter-mapping>
```

Choose the correct statement

Select one:

- a. The request is applied the FilterF, FilterE in sequence
- b. None of the others
- c. The response is applied the FilterF, FilterE in sequence
- d. The request is applied the FilterE, FilterF in sequence

a

<p>What time is recorded as the last accessed time for an HttpSession object?</p> <p>Select one:</p> <p>a. The last time an attribute was bound to or unbound from the HttpSession object.</p> <p>b. None of the others.</p> <p>c. The last time a method was executed against an HttpSession object.</p> <p>d. The last time the client sent a request associated with the session.</p>	d
<p>Given:</p> <p>6. <code><%int[] nums = {42, 420, 4200};</code></p> <p>7. <code>request.setAttribute("foo", nums); %></code></p> <p>Which successfully translate and result in a value of true? Select one:</p> <p>a. <code>\${true or false}</code></p> <p>b. <code>\${requestScope[foo][0] > 500}</code></p> <p>c. All of the others</p> <p>d. <code>\${requestScope['foo'][1] = 420}</code></p>	a
<p>Which element is the parent of the <code><filter></code> tag in the web application deployment descriptor?</p> <p>Select one:</p> <p>a. <code><filter-list></code></p> <p>b. None of the others.</p> <p>c. <code><filters></code></p> <p>d. <code><web-app></code></p> <p>e. <code><servlet></code></p>	d
<p>Which of the following is a correct syntax of the <code>getAttribute()</code> method of web development context?</p> <p>Select one:</p> <p>a. <code>public Object getAttribute(String name, Object obj)</code></p> <p>b. <code>public Object getAttribute(String name)</code></p> <p>c. <code>public Name getAttribute(String name)</code></p> <p>d. <code>public Object getAttribute(Object obj)</code></p>	b

<p>Which of the following constitute valid ways of importing Java classes into JSP page source? Select one:</p> <p>a. <code><%! import java.util.*; %></code> b. <code><%@ import java.util.* %></code> c. <code><%@ page import="java.util.*" %></code> d. None of the others.</p>	<p>c</p>
<p>Which of the following are false statements about standard action attributes? Select one or more:</p> <p>a. If both are used, class and type attributes must have different values. b. The reference variable used for a bean doesn't always have the same type as the bean object it refers to. c. If the type attribute is used, the class attribute must be presented. d. If both are used, class and type attributes must have the same value. e. If class and type attributes are presented, the class attribute must match the object type of your bean.</p>	<p>a,c,d</p>
<p>What will be the output of the code snippet <code>\${"2" + "2"}</code>? Select one:</p> <p>a. 22 b. None of the others. c. 4 d. 2+2</p>	<p>c</p>
<p>The JSP element <code><%!.....%></code> will be replaced by the tag in the JSP document. Select one:</p> <p>a. <code><jsp:variable> ... </jsp:variable></code> b. <code><jsp:method>></jsp:method></code> c. All of the others. d. <code><jsp:declaration> ... </jsp:declaration></code></p>	<p>d</p>

A Java bean with a property color is loaded using the following statement `<jsp:usebean id="fruit" class="abc.Fruit" />` What is the effect of the following statement? `<jsp:setproperty name="fruit" property="color"/>`
Select the correct answer.
Select one:

- a. An error is generated because the value attribute of setAttribute is not defined
- b. None of the others
- c. The color attribute is assigned a value null
- d. The color attribute is assigned a value ""
- e. If there is a non-null request parameter with name color, then its value is assigned to color property of Java Bean fruit

e

Given a JSP code fragment
`<jsp:useBean id="book1" scope="session"/>`
Choose the correct statement .
Assume that the book class has the title attribute that is declared both get and set method
Select one:

- a. The title attribute of book1 can be accessed using EL as `${sessionScope.book1.title}`
- b. None of the others
- c. The title attribute of book1 can be accessed using EL as `${sessionScope.book1.getTitle}`
- d. The title attribute of book1 can be accessed using EL as `${session.book1.title}`
- e. The title attribute of book1 can be accessed using EL as `${requestScope.book1.title}`

a

Which of the following listeners will respond to events that a request comes to server or gets out of its scope?
Select one:

- a. ServletResponseListener
- b. ServletRequestListener
- c. None of the others
- d. ServletContextListener

b

<p>Which of the following statements about the standard actions is false?</p> <p>Select one:</p> <p>a. JSP standard actions are performed when a browser requests for a JSP page</p> <p>b. Standard actions take the form of an XML tag with a name suffixed jsp</p> <p>c. None of the others.</p> <p>d. In standard action, the values in the attributes must be enclosed in double quotes</p>	<p>b</p>
<p>Which of the following statements about the standard actions are true?</p> <p>Select one:</p> <p>a. The Attributes in standard action can not distinguish between uppercase and lowercase</p> <p>b. None of the others</p> <p>c. JSP uses standard actions for calling the JavaBean methods</p> <p>d. Standard actions take the form of an XML tag with a name suffixed jsp</p>	<p>c</p>
<p>Which classes or interfaces provide a getSession method?</p> <p>Select one:</p> <p>a. javax.servlet.http.HttpServletRequest</p> <p>b. None of the others</p> <p>c. javax.servlet.http.HttpServletResponse</p> <p>d. javax.servlet.http.HttpSessionContext</p> <p>e. javax.servlet.http.HttpSessionAttributeEvent</p>	<p>a</p>

<p>Given that session is a valid HttpSession object: int max = session.getAttribute("MyReallyLongName"); Which is true? Select one:</p> <p>a. The HttpSession attribute name must NOT exceed eight characters. b. Primitives CANNOT be stored in the HttpSession. c. All of the others d. The getAttribute method takes two arguments.</p>	<p>b</p>
<p>What is the scope of variables in EL? Select one:</p> <p>a. The scope of variables in EL has request Scope b. All of the others c. The scope of variables in EL has response Scope d. The scope of variables in EL has page Scope</p>	<p>d</p>

The following code comes from the only servlet in a web application, what is the outcome of accessing the doGet() method?

```
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
```

```
    HttpSession session = request.getSession();  
    try {  
        Thread.sleep(1500);  
        long now = (new Date()).getTime();  
        long interval = now -  
            session.getLastAccessedTime();  
        if(interval <=1000) {  
            System.out.println("The time is smaller than 1000");  
        } else {  
            System.out.println("The time is larger than 1000");  
        }  
    } catch (InterruptedException e) {  
        e.printStackTrace();  
    }  
}
```

Select one:

- a. The time is larger than 1000
- b. None of the others
- c. The code is not correct
- d. The time is smaller than 1000

a

When a specific request is processed, some servlets must be called and they need to access some common data. These common data should be put to dynamic variables in the scope(select the most correct option). Select one:

- a. None of the others.
- b. session
- c. application
- d. request

d

Which of the following commands will successfully build a WAR file?
Select one:

- a. jar -cvf myfile.war .
- b. jar -cfv myfile.war *.class
- c. jar -war myfile.war .
- d. jar -tvf myfile.war .
- e. None of the others.

a

A programmer is designing a class to encapsulate the information about an inventory item. A JavaBeans component is needed to do this. The InventoryItem class has private instance variables to store the item information:

- 10. private int itemId;
- 11. private String name;
- 12. private String description;

Which method signature follows the JavaBeans naming standards for modifying the itemId instance variable?
Select one:

- a. updateItemId(int itemId)
- b. mutaterItemId(int itemId)
- c. update(int itemId)
- d. itemId(int itemId)
- e. None of the others

e

A JSP page needs to perform some operations before servicing the first request. Where can this be done?
Select one:

- a. within a method called jsplnit
- b. within the XML element
- c. within the page directive of the JSP page
- d. within a scriptlet at the top of the JSP page

a

<p>Which object is passed as parameter in attributedAdded, attributedReplaced, and attributedRemoved method of the HttpSessionAttributeListener?</p> <p>Select one:</p> <ul style="list-style-type: none">a. HttpSessionEventb. HttpSessionc. None of the othersd. HttpSessionListenerEvente. HttpSessionBindingEvent	<p>e</p>
<p>A JavaBeans component has the following field: private boolean enabled; Which of method declarations (following of JavaBeans standard) do access this field?</p> <p>Select one or more:</p> <ul style="list-style-type: none">a. public void setEnabled(boolean enabled) or public void isEnabled()b. public void setEnabled(boolean enabled) or public boolean isEnabled()c. public void setEnabled(boolean enabled) or public boolean getEnabled()d. public boolean setEnabled(boolean enabled) or public boolean getEnabled()	<p>b,c</p>
<p>Name the class that includes the getSession method that is used to get the HttpSession object</p> <p>Select one:</p> <ul style="list-style-type: none">a. None of the othersb. SessionConfigc. SessionContextd. HttpServletRequeste. HttpServletResponse	<p>d</p>
<p>Given a web application in which the request parameter productID contains a product identifier. Which EL expression evaluates the value of the productID?</p> <p>Select one:</p> <ul style="list-style-type: none">a. \${productID}b. \${param.productID}c. \${pageContext.request.productID}	<p>b</p>

<p>Which of the following statement relating to create static methods in EL is false? Select one:</p> <p>a. To access the function using EL, the function must be implemented as a static function in a java class</p> <p>b. None of the others</p> <p>c. The function need to be mapped with EL using a Tag Library Descriptor file</p> <p>d. Only a single function should be defined in a single class</p> <p>e. The static java methods can be called within the EL expression</p>	d
<p>Given a JSP code fragment <% int a = Integer.parseInt("a"); %> Choose the correct statement Select one:</p> <p>a. None of the others</p> <p>b. The code is generated besides of _jspService method by JSP engine</p> <p>c. The code is generated in jsplnit method by JSP enginer</p> <p>d. The code is generated in _jspService method by JSP engine</p>	d
<p>Given a JSP error page, which implicit object refers to the uncaught Throwable that resulted in the page being invoked? Select one:</p> <p>a. exception</p> <p>b. request.exception</p> <p>c. error</p> <p>d. None of the others</p> <p>e. throwable</p>	a

<p>With respect to JSP elements/actions. Which of the followings will insert text of source page to destination page before executing compilation?</p> <p>Select one:</p> <ul style="list-style-type: none">a. <jsp:insert>b. <jsp:include>c. <jsp:import>d. <%@include>e. None of the others	d
<p>Which of the following represents the XML equivalent of this statement <%@ include file="a.jsp"%> .</p> <p>Select one correct statement.</p> <p>Select one:</p> <ul style="list-style-type: none">a. There is no XML equivalent of include directive.b. None of the othersc. <jsp:include page="a.jsp"/>d. <jsp:include file="a.jsp"/>e. <jsp:directive.include file="a.jsp"/>	e
<p>Which of the following methods can be used to add cookies to a servlet response?</p> <p>Select one or more:</p> <ul style="list-style-type: none">a. HttpServletResponse.addCookie(Cookie cookie)b. ServletResponse.addCookie(Cookie cookie)c. ServletResponse.addHeader(String name, String value)d. ServletResponse.addCookie(String contents)e. HttpServletResponse.addHeader(String name, String value)f. HttpServletResponse.addCookie(String contents)	a,e

What http method send by browser that gives the server what user data typed in the form? a. delete b. post c. put d. head	b
Which among the following components acts as a Controller in Struts 2 framework? Choose TWO answer. a. Interceptors b. FilterDispatcher c. Configuration Manager d. Action Mapper	ab
Choose the option to make jsp page as an error page? a. isErrorPage= "false" b. Session= "false" c. Session="true" d. isError Page= "true"	d
Which following methods of HttpServlet class stores a resource under the request URL? a, doput b. doGet c. doHead d. do Delete e. doTrace f. do Post	a
What is NOT true about MVC Model 2 Architecture? a. It is applied for little applications only, not for substantial applications b. The model represents the application object or data. c. The view represents the user interface component of the data model d. The controller transmits the request, and selects a view for presenting data to the user.	a

Choose option is NOT types of filters in JSP a. Authentication Filters b. Data Compression Filters c. Logging Filters d. Time Controlling Filters	d
Which of the following is not a directive in JSP? a. taglib b. page c. include d. export	d
Which is the methods of generated Servlet?? a. _jspInit() b. _jspBuild() c. _jspDestroy() d. _jspService()	acd
Which statement is CORRECT about Struts 2? a. Provides multiple tag libraries. b. Uses JSTL. c. Implements the Action interface. d. Provide a single tag library.	d
How can you open a link in a new browser window? a. b. c. d. 	a
_____interface with all methods for contacting a database? a. Driver b. Connection c. ResultSet d. Statement	b
Which implicit object is supported in jsp page to access pageScope, requestScope, sessionscope, applicationScope? a. scope object b. pageContext object c. application object d. context object	b

<p>The class <code>java.sql.Timestamp</code> has its super class as</p> <ul style="list-style-type: none">a. <code>java.sql.Date</code>b. <code>java.util.Time</code>c. <code>java.util.Date</code>d. <code>java.sql.Time</code>	c
<p>What does the <code>FilterChain</code> do?</p> <ul style="list-style-type: none">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. It invokes the first filter in the chain.c. <code>FilterChain</code> is a function of the <code>web.xml</code> filed. It does nothing.	a
<p>To connect to the database, which JSTL tag do we use?</p> <ul style="list-style-type: none">a. <code><sql:setConnection></code>b. <code><sql:setDataSource></code>c. <code><sql:setDatabase></code>d. <code><sql.setDataBase></code>	b
<p>Choose the default scope value of this declared bean:</p> <pre><jsp:useBean id="userlist" class="model.UserList"> </jsp:useBean></pre> <ul style="list-style-type: none">a. pageb. sessionc. applicationd. request	a

Suppose we write the Servlet "EditServlet" to delete the student based on "id" using delete(id) method and then display the list in "display.jsp". Please try to fill the **Position 1**, **Position2** and **Position3** to make the code complete.

```
@Override protected void
doPost(HttpServletRequest request,
HttpServletResponse response)
throws ServletException, IOException {
response.setContentType("text/html;charset-
UTF-8"); String action
request.getParameter("action"); int id =
Integer.parseInt(request.getParameter("id"));
StudentList = new Studentism:
ArrayList<Student> list = new ArrayList<>(); switch
("Position/ case "Delete":
list.remove(id); session.setAttribute("list
Student", list); "Position ");
request.getRequestDispatcher("display.jsp") forward
request, response); break;
```

- a. "action", "list", getRequest
- b.id, listStudent, getRequestDispatcher
- c.id, listStudent, getRequest
- d. action, list, getRequestDispatcher

d

<p>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.</p> <pre><body> <form method="post" action="subjectServlet"> <fieldset legend Languages legend <input type="checkbox" name "Ingunge" value="javn" checked Java <input type="checkbox" name="language" value"cs">C# <fieldsep <input type="submit" value"SEND"> <form <body></pre> <p>a. String[] languages = request.getParameterValues("language");</p> <p>b. String languages = request.getParameterValues("language");</p> <p>c. String java = request.getParameterValues("Java");</p> <p>String cs = request.getParameterValues("C#");</p> <p>d. String java = request.getParameterValues("java");</p> <p>String cs = request.getParameterValues("cs");</p>	<p>a</p>
<p>In the request life cycle of Struts 2, which component invokes the Interceptors to apply the common functionalities?</p> <p>a. Action Mapping</p> <p>b. FilterDispatcher</p> <p>c. ActionServlet</p> <p>d. ActionInvocation</p>	<p>d</p>

Fill in the blank to display the value of variable "number"

```
<%@page contentType="text/html"
pageEncoding="UTF-8"%> 8 <%@ taglib
prefix="c"
uri="http://java.sun.com/jsp/jstl/core" %> 9
<!DOCTYPE html> 10 <html> 11 <head> 12
<meta http-equiv="Content-Type"
content="text/html; charset=UTF-8">
<title JSP Page<title> 14 Chead> 15 <body>
<h4>Hello JSTL</h4> 17 <c:set va="number"
value="50"></c:set> 18 <p>Number: 19 <body>
20 <html>
```

c

- a. <cout "\${number}"> </cout>
- b. <c value="\${number}"></c:>
- c. <c:out value="\${number}"></cout>
- d. <c:out value="number"></c.out>

Suppose we have the servlet "NewServlet" with the code to retrieve the value of parameter "gender" from the input.html protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException Print Writer out = response.getWriter(); String gender = request.getParameter("gender"); if (gender.equals("male")) { out.println("<p Gender: male-p>"); out.println("<p>Gender: female_p>");

Please choose the correct HTML code from the input.html for the "gender". Choose TWO:

bd

- a. Gender: <input type="password" name="gender" value="male" checked />Male
<input type="password" name="gender" value="female" />Female
- b. Gender: <input type="radio" name="gender" value="male" checked />Male
<input type="radio" name="gender" value="female" />Female
- c. Gender: <input type="text" name="gender" value="male" checked />
<input type="text" name="gender" value="female"/>
- d. Gender: <input type="checkbox" name="gender" value="male" checked />Male

<p>Please choose the right code to display information as bellows: Your chosen Books[quantity*price] are:</p> <ul style="list-style-type: none">• Java [3 * \$10] = 30• C# [5 * \$15] = 75 <p>d. Your chosen Books[quantity*price) are:</p> <ul style="list-style-type: none">Java [3 \$10] = \$[310]C# [5 \$15] = \$[515] <p>b. Your chosen Books[quantity*price] are:</p> <ul style="list-style-type: none"> Java [3 \$10] = \${310}C# [5 \$15] = \${515} <p>c. Your chosen Books[quantity*price) are:</p><ul style="list-style-type: none">Java [3 \$10] = {310} C# [5 \$15] = {515}<p>d. Your chosen Books[quantity*price] are:</p><p>Java [3 \$10] = \${310} C# [5 \$15] = \${515}</p>	<p>b</p>
<p>What is the output of this code</p> <pre><%@ 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 = "mrk" scope = "session" value="\${8.3/2}" /> <p>Your mark is: <cout value = Simark;" p <c:choose <c:when test = "Smrk <= 4;> Need a retake for this subject. <c:when> <c:when test="S!mark > 4> You Pass. <c:when> cc:choose <body><html> a. You Pass. b. Need a retake for this subject c. Your mark is : 4.15 You Pass. d. Your mark is: 4.00 Need a retake for this subject</pre>	<p>c</p>

<p>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</p> <p>a. session b. request c. cookie d. response</p>	c
<p>You are creating a web form with this HTML:</p> <pre><html> <body> <form action="login.jsp"> ID:<input type="text" name="id">
 Name: <input type="text" name="name">X
 Sinput type="submit" value="Login"> <form> <body> <html></pre> <p>Which HTTP method is used when user press the "Login" button from the browser?</p> <p>a. PUT b. SEND c. POST d. GET</p>	d
<p>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.)</p> <p>a. \${paramValues.productID[0]} b. \${param.productID} c. \${productID} d. \${params.productID[1]} e. \${params.productID} f. \${paramValues.productID}</p>	ab
<p>Which method we must override in the extend ActionSupport class to provide the implementation of validation in Struts 2?</p> <p>a. checkParams() method b. validate() method c. input() method d. validate() method for each input data</p>	b
<p>What object will represent the output stream for the JSP page?</p> <p>a. response b. writer c. ... d. ...</p>	d

<p>Choose the correct way to use the JSTL Function Tags</p> <p>a. <%@ taglib uri="http://java.sun.com/jsp/jstl/functions" prefix="fn" %></p> <p>b. <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %></p> <p>c. <%@ taglib uri="http://java.sun.com/jsp/jstl/JSTLFunctionTags prefix="fn" %></p> <p>d. <%@ taglib uri="http://java.sun.com/jsp prefix="c" %></p>	a
<p>Which interface is chosen to be extended by many tag handlers to create a custom tag?</p> <p>a. Iteration Tag</p> <p>b. BodyTagSupport</p> <p>c. Tag</p> <p>d. TagSupport</p> <p>e. BodyTag</p>	c
<p>When destroy method() of servlet called?</p> <p>a. When you remove the application from server</p> <p>b. When you close the browser window</p> <p>c. When the servlet is executed for the first time.</p> <p>d. When the servlet is executed, it runs for the last time.</p>	a
<p>Which is true about TLD files?</p> <p>a. TLD files may be placed in the META-INF directory of the WAR file.</p> <p>b. TLD files can declare both Simple and Classic tags, but TLD files are NOT used to declare Tag files.</p> <p>c. TLD files may be placed in any subdirectory of WEB-INF.</p> <p>d. TLD files are used to configure JSP environment attributes, such as scripting-invalid.</p>	c

<p>Which components are required to use in JSP page after custom tag implemented?</p> <p>a. Custom taglib class that extends from JSTL, tld file, declaration in context.xml file</p> <p>b. Custom taglib class that extends from tagext, tags file, declaration in both web.xml and JSP files</p> <p>c. None of the others</p> <p>d. Custom taglib class that extends from tagext, tldfile, declaration in web deployment descriptor</p>	d
<p>What type of servlets use these methods such as doGet(), doPost(), doHead(), doDelete(), doTrace()?</p> <p>a. GenericServlets</p> <p>b. HttpServlets</p> <p>c. ConfigServlets</p> <p>d. RequestServlets</p>	b
<p>Which of the following is not a part of Struts architecture?</p> <p>a. Actions</p> <p>b. EJB</p> <p>c. Value Stack / OGNL</p> <p>d. Interceptors</p>	b
<p>HttpServletRequest request and HttpServletResponse response, which sets a cookie "username" with the value "joe" in a servlet?</p> <p>a. response.addHeader(new Cookie("username", "joe"))</p> <p>b. request.addHeader(new Cookie("username", "joe"))</p> <p>c. response.addCookie("username", "joe")</p> <p>d. response.addCookie(new Cookie("username", "joe"))</p> <p>e. request.addCookie("username", "joe")</p>	d
<p>Which of the following components is used by application to work with database server?</p> <p>a. Connection</p> <p>b. DriverManager</p> <p>c. JDBC driver</p> <p>d. Statement</p>	a

<p>Which statements about JDBC are NOT true?</p> <p>a. JDBC provides a standard API for tool/database developers and makes it possible to write database applications using a pure Java API.</p> <p>b. The combination of Java and JDBC lets a programmer write it once and run it anywhere.</p> <p>c. JDBC is a Java database system.</p> <p>d. It consists of a set of classes and interfaces written in the Java programming language.</p>	c
<p>FTP uses the services of_?</p> <p>a. UDP</p> <p>b. PPP</p> <p>C. IP</p> <p>d. TCP</p>	d
<p>Which Design Pattern does Struts2 Framework apply?</p> <p>a. MVC 2 Data Transfer Object as Controller</p> <p>b. MVC 2 using Servlet as Controller</p> <p>c. MVC 2 using Filter as Controller d. MVC 2 using DAO add Connect Database</p>	c
<p>Select the method to get form data into jsp?</p> <p>a. request.getParameter()</p> <p>b. request.getparametero</p> <p>c. request.getStringo</p> <p>d.getParametero</p>	a

<p>What is NOT true about RequestDispatcher in Servlet?</p> <p>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</p> <p>b. uses forward method, the control is transferred to the next Servlet or JSP the application is calling</p> <p>c. provides the facility of dispatching the request to another resource it may be html, servlet or jsp</p> <p>d. Uses getRequestDispatcher() method to return the forward/include object</p>	d
<p>In web application, these tasks such as authentication-blocking of requests, data compression, logging and auditing are performed by</p> <p>a. servlet filter</p> <p>b.servlet container</p> <p>C. servlet context</p> <p>d.servlet config</p>	a
<p>Verification of a login name and password is known as?</p> <p>a. logging in</p> <p>b. accessibility</p> <p>c. configuration</p> <p>d. authentication</p>	d
<p>Which of the following statement is not correct about HTTP method?</p> <p>a. HTTP OPTIONS request for communication options available on the request/response chain</p> <p>b. A POST request append data to the end of the URL.</p> <p>c. A GET request append data to the end of the URL.</p> <p>d. HTTP DELETE method request for the Server to delete the resource</p>	b

<p>How many Tags are provided by JSTL?</p> <p>a. 6 (Core tags, Function tags, Formatting tags, XML tags, SQL tags, Math tags) b. 4 (Core tags, Function tags, XML tags, SQL tags)</p> <p>c. 3 (Core tags, XML tags, SQL tags)</p> <p>d. 5 (Core tags, Function tags, Formatting tags, XML tags, SQL tags)</p>	d
<p>Which method is used to perform DML statements in JDBC?</p> <p>a. execute()</p> <p>b. executeQuery()</p> <p>c. executeUpdate()</p> <p>d. executeResult()</p>	c
<p>___ are small pieces of information that are deposited on the client by the server.</p> <p>a. Cookie</p> <p>b. Directive</p> <p>c. Session</p> <p>d. Scriptlet</p>	a
<p>Choose the corect JSTL statement to check whether the emptyCart is empty or not?</p> <p>a. <c:if var="\${emptyCart == empty}"> <p> Your cart is empty.</p> </c:if></p> <p>b. <c:if test="\${emptyCart == null}"> <p>Your cart is empty.</p> </c:if></p> <p>C: <c:if var="\${emptyCart == null;"> <p>Your cart is empty.</p> </c:jf></p> <p>d. <if test="\${emptyCart == null}"> <p>Your cart is empty.</p> </if></p>	b

<p>Which of the following methods can be used to add cookies to a servlet response?</p> <p>Select one:</p> <p>a. ServletResponse.addCookie(Cookie cookie)</p> <p>b. ServletResponse.addHeader(String name, String value)</p> <p>c. HttpServletResponse.addCookie(String contents)</p> <p>d. ServletResponse.addCookie(String contents)</p> <p>e. HttpServletResponse.addCookie(Cookie cookie)</p>	e
<p>__ includes a static file in a JSP file, parsing the file's JSP elements (choose the most correct one)</p> <p>Select one:</p> <p>a. import directive</p> <p>@ b. include directive</p> <p>c. <jsp:useBean></p> <p>d. <jsp:forward></p> <p>e. <jsp:include></p>	a
<p>How does container initialize Servlet Object at deploy time?</p> <p>a. The servlet does not need to be declared</p> <p>b. The servlet must be declared into web deployment descriptor with servlet tag</p> <p>c. The servlet must be declared into web deployment descriptor with servlet-mapping tag</p> <p>d. The servlet must be declared into context deployment descriptor with servlet tag</p>	b
<p>Which is not method of the request object - an instance of HttpServletRequest.</p> <p>a. getSession</p> <p>b. getParameterValues(name)</p> <p>c. send Redirect(url)</p> <p>d. get_cookies</p>	c
<p>You can use the test attribute to specify the Boolean condition for a when tag in JSTL.</p> <p>Select one:</p> <p>a. True</p>	a

<p>Which JSTL tag sets a parameter in an SQL statement to the specified value?</p> <p>Select one:</p> <ul style="list-style-type: none">a. <sql:setparameter>b. <sql:parameter>c. <sql:setparam>d. <sql:param>	d
<p>Which of the following method should not be overridden in JSP?</p> <ul style="list-style-type: none">a. jsplnit()b. jsp Destroy()c. jspService()d. doGet() - dopost()	c
<p>Which one of the following must be done before authorization takes place?</p> <p>Select one:</p> <ul style="list-style-type: none">a. Auditingb. User authenticationc. Data compressiond. Data encryptione. Data validation	b
<p>Which method we must override in the extend Action Support class to provide the implementation of validation in Struts 2?</p> <p>Select one:</p> <ul style="list-style-type: none">a. checkParams() methodb. validate() methodc. input() methodd. validate() method for each input data	b
<p>a ____ subscription to a topic means that a JMS subscriber receives all messages, even if the subscriber is inactive.</p> <p>Select one:</p> <ul style="list-style-type: none">a. nondurableb. permanentc. durabled. temporary	c

<p>What is the expired time of the cookie if we set the value of time = 0.5</p> <pre>19 public static Cookie add(String name, String value, int time, HttpServletResponse response) { 20 Cookie cookie = new Cookie(name, value); cookie.setMaxAge(60 60 time); cookie.setPath("/"); response.addCookie(cookie); return cookie; 26 }</pre> <p>a. 30 minutes b. 60 minutes c. 1.800 minutes d. 45 minutes</p>	c
<p>In a web application, Where filters are defined?</p> <p>a. Filters are defined in the ServletRequest b. Filters are defined in the jsp pages. c. Filters are defined in the deployment descriptor file web.xml d. Filters are defined in the ServletContext</p>	c
<p>Which tag is used to insert java source code in JSP?</p> <p>a. Application tag b. Declaration Tag C. Scriptlet tag d. Expression tag</p>	c
<p>In order to get the value from the request parameter, please choose the correct code</p> <p>a. String the StudentId = request.getStudent("studentId"); b. String the StudentId = request.getParameter("studentId"); c. String the StudentId = request.getID("studentId"); d. String the StudentId = getParameter("studentId");</p>	b

When destroy method of a filter is called? a. called after the filter has executed doFilter method b. called after the filter has executed c. called only once at the end of the life cycle of a filter d. called only once at the beginning of the life cycle of a filter	c
In the web deployment descriptor, the tag of tag is used for a. accessing or calling the servlet instance b. applying the security on the servlet instance c. applying the filter on the servlet instance d. informing server about the location of servlet in web application directory	a
Which of the following is not component of MVC architecture? a. XML b. View c. Controller d. Model	a
Which of the following is not a valid type of statement in JDBC? a. Statement b. PreparedStatement c. CallableStatement d. QueryStatement	d
DriverManager.getConnection What is the order of parameters included? a. URL where server runs, UserID, Password b. URL where server runs; Password, UserID c. Password, URL where server runs, UserID d. User ID, Password, URL where server runs	a
When compiling a project in java web, which of the following error code indicates an error inside the HTTP server which prevents it from fulfilling the request? a. 400 b. 403 c. 404	d

Which HTTP method is used when sending request from the browser? a. POST b. PUT c. SET d. GET	ad
JSP __ let you insert arbitrary code into the servlet's _jspService() method. a. scriptlets b. declarations c. comment d. custom tag	a
Please choose to correct statement to include a header.jsp page in to an jsp page? a. <jsp:includes page="/includes/header.jsp" /> b. <jsp:include page="/includes/header.jsp" /> c. <include page="/includes/header.jsp" /> d. < page="/includes/header.jsp" />	b

<p>Suppose we have the model class Student {private int id;}, now to set up a link for "Update" Action in jsp page and then send the Id value of student object to the Servlet StudentControllerServlet.</p> <p>E</p> <p>F</p> <p>Tran</p> <p>Van</p> <p>First Name</p> <p>Last Name</p> <p>Email</p> <p>Action TEO</p> <p>Nguyen</p> <p>a@b.c</p> <p>Update Delete n@f.h</p> <p>Update Delete cag.t</p> <p>Undate Delete vad.c</p> <p>Update Delete Please choose the the correct code in the space <c:url var="tempLink" value="StudentControllerServlet"></p> <p><c:param name="command" value="UPDATE"></p> <p></c:param> <c:param name="studentId" value="</p> <p>"X</c:param> </c:url></p> <p>a. @{student.id}</p> <p>b. \${student.id}</p> <p>c. \${student}</p> <p>d. {student.id}</p>	<p>b</p>
<p>In JSTL, which type of Java conditional statement is the tag similar to?</p> <p>a. if</p> <p>b. foreach</p> <p>C. switch</p> <p>d. when</p>	<p>a</p>

<p>Please choose the option in the blank.</p> <p>when the web developers want to include the value of command and studentID without being seen or modified by users when a form is submitted?</p> <pre>7 <%@page contentType="text/html" pageEncoding="UTF-8"%> 8 <!DOCTYPE html> 9 <html> 10 <head> 11 <meta http- equiv="Content-Type" content="text/html; charset=UTF-8"> 12 <title>JSP Page</title> 13 <head> 14 <body> <form action="StudentControllerServlet" method="GET"> <input type= name="command" value="UPDATE"> <input type= name="studentId" value="\${THE STUDENT.id}"> Name:<input type="text" name="firstName" value='S THE STUDENT.firstName' /> <input type="submit" value="UPDATE" class="save" /> </form> 21 </body> 22 </html></pre> <p>a. "hidden" & "text"</p> <p>b. "submit" & "text"</p> <p>c. "hidden" & "hidden"</p> <p>d. "submit" & "submit"</p>	<p>c</p>
<p>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.</p> <p>a. <%@page contentType = "xml"></p> <p>b. <%@page contentType = "text/xml"></p> <p>c. <%@page contentType = "html/xml"></p> <p>d. <%@page contentType = "text/html"></p>	<p>b</p>
<p>Which attribute of @page define an jsp page to be an error page?</p> <p>a. "true"</p> <p>b. "false"</p> <p>c. isErrorPage</p> <p>d. session.setAttribute("true")</p> <p>e. session.setAttribute("false")</p> <p>f. isError Page</p>	<p>abf</p>

<p>When a JSP page is translated, what is it turned into?</p> <p>a. Servlet</p> <p>b. Midlet</p> <p>c. Application</p> <p>d. Applet</p>	<p>a</p>
<p>Suppose we have the model Calculator Model class, use fill in the blank to add the value of model to the request.</p> <pre>protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {String num1 = request.getParameter("num1");String num2 = request.getParameter("num2");String action = request.getParameter("action");Calculator Model model = new Calculator Model(Float.parseFloat(num1), Float.parseFloat(num2), action);request.setAttribute("result", model);request.getRequestDispatcher("result.jsp").include(request, response);}</pre> <p>request.setValueOf</p> <p>request.getRequestDispatcher</p> <p>request.setAttribute</p> <p>request.getAttribute</p>	<p>c</p>
<p>Which of the following listeners will respond to events that a request comes to server or gets out of its scope?</p> <p>a. ServletRequestListener</p> <p>b. ServletRequestAttributeListener</p> <p>c. ServletContextListener</p> <p>d. ServletResponseListener</p>	<p>a</p>
<p>Which of these characteristics of a filter is true?</p> <p>a. A logging and auditing filter allow users to log in to a Web application</p> <p>b. A filter is an object that is invoked at the preprocessing and postprocessing of a request.</p> <p>c. Filters used to store session</p> <p>d. An authentication filter tracks the activities of users of a Web application</p>	<p>b</p>

<p>Choose the statement that best describes the relationship between JSP and servlets:</p> <p>a. JSP and servlets are unrelated technologies.</p> <p>b. Servlets and JSP are competing technologies for handling web requests. Servlets are being superseded by JSP, which is preferred. The two technologies are not useful in combination.</p> <p>c. Servlets are built on JSP semantics and all servlets are compiled to JSP pages for runtime usage.</p> <p>d. JSPs are built on servlet semantics and all JSPs are translated to servlets for runtime usage.</p>	d
<p>The value of session timeout in web deployment descriptor using the unit of</p> <p>a. Second</p> <p>b. Hour</p> <p>c. Minute</p> <p>d. Millisecond</p>	c
<p>What is the purpose of this code? 72 protected void doPost(HttpServletRequest request, HttpServletResponse response) 73 throws ServletException, IOException {</p> <pre>String username = request.getParameter("username"); String password = request.getParameter("password"); if(username.equals("admin") && password.equals("abc123")) { RequestDispatcher rd = request.getRequestDispatcher("admin/index.jsp"); rd.forward(request, response); 79 }}</pre> <p>a. Checking whether the username equals "admin" and password equals "abc123" or not. If yes, forward the requests to admin index.jsp</p> <p>b. Setting the value of username = "admin" and password = "abc123"</p> <p>c. Checking whether the username equals "admin" and password equals "abc123" or not.</p> <p>d. Checking whether the username equals "admin" and password equals "abc123" or not. If yes, forward the requests to index.jsp</p>	d

correct the code as bellowing, supposed that the
 ers in sql has String value.

```

  bid addStudent(Student student) {
    sql = " INSERT INTO studentTBL(first name, last_name,
    "

    ES (?, ?, ?):: ComectDB db = ComectDB.getInstance();
    tion con; try {
      .openConnection(); PreparedStatement statement =
      pare Statement(sql):
      nt.getFirstName(): (2. student.getLastName());
      ent.getEmail(); statement.execute(); statement.close(
      e()); } catch (Exception ex)
      getLogger(StudentDAO.class.getName()).log(Level.SEVERE,

      hent.setStringo
      hent.setTypeCastString
      hent.setString
      hent.setValueString
  
```

c

What is the out put of this code?

```

<%@ taglib
uri="http://java.sun.com/jsp/jstl/core"
prefix="c" %> <html>
<head>
<title>Tag Example</title> </head> <body>
<c:forEach var="product" begin="0" end="10"
step="2">
${product} </c:forEach> </body> </html>
a. var="item" begin="0" end="10" step="2"
b. ${product}
c. 0246 8 10
d. 0 1 2 3 4 5 6 7 8 9 10
  
```

c

Which method is used to perform DML
 statements in JDBC?

- a. executeResulto
- b.execute()
- c. executeQueryo
- d. executeUpdate()

d

When compiling a project in java web, which
 of the following error codes is associated
 with the "Resource not found" message?

- a. 400
- b. 403
- c. 500
- d. 404

d

<p>What is the purpose of this code?</p> <pre>7<%@page contentType="text/html" pageEncoding="UTF-8"%> 8 <!DOCTYPE html> 9 <html> 10 <head> <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>JSP Page</title> <jsp:useBean id="user" class="model. User" scope="session"> </jsp:useBean> <jsp:setProperty name="user" property="*" /> </head> <body> 11<hr> 19 First Name: <jsp:getProperty name="user" property="firstName"> </jsp:getProperty> 20 </br> 21 Last Name: <jsp:getProperty name="user" property="lastName"></jsp:getProperty> 22 </body> 23 </html></pre> <p>a. Set properties of a bean object user b. Delete properties of a bean object user c. Update properties of a bean object user d. Get properties of a bean object user</p>	d
<p>What is the output?</p> <pre><%@ taglib uri="http://java.sun.com/jsp jstl/core" prefix="e" %> <html> <head> <title>Tag Example</title> <head> <body> <c:set var="name" value="Final Test"/> <c:out value="\${name}" default="Study Tonight" /> <body> I <html></pre> <p>a. StudyTonight b. Final Test c. Final Test Study Tonight d. StudyTonight Final Test</p>	b
<p>Which method among the following options belongs to HttpSessionAttributeListener?</p> <p>a. public void setMaxInactiveInterval(int interval) b. public void setAttribute(java.lang.String name, java.lang.Object value) c. public void attributeAdded(HttpSessionBinding Event se) d. public void removeValue(java.lang.String name)</p>	c

<p>Why use RequestDispatcher to forward a request to another resource, instead of using a sendRedirect?</p> <p>a. The RequestDispatcher does not require a round trip to the client, and thus is more efficient and allows the server to maintain request state.</p> <p>b. Redirects are no longer supported in the current servlet API.</p> <p>c. Redirects are not a cross-platform portable mechanism.</p> <p>d. The RequestDispatcher does not use the reflection API.</p>	a
<p>Which of the following SQL options is suitable for using PreparedStatement?</p> <p>a. SQLSetConnectOption(conn, SQL AUTOCOMMIT, 0)</p> <p>b. insert into departmentTBL values(?,?,?)</p> <p>c. SQLTransact(conn, SQL ROLLBACK)</p> <p>d. insert into departmentTBL values(x,x,x)</p>	b
<p>What is NOT CORRECT about JSP Filter</p> <p>a. doFilter method is called by the container each time a request/response pair is passed through the chain due to a client request for a resource at the end of the chain</p> <p>b. Filter intercept requests from a client before they access a resource at back end.</p> <p>c. Init method is called by the JSP Filter to indicate to a filter</p> <p>d. Filter manipulate responses from server before they are sent back to the client.</p>	c
<p>Which statements about JDBC are NOT true?</p> <p>a. JDBC is a Java database system.</p> <p>b. It consists of a set of classes and interfaces written in the Java programming language.</p> <p>c. JDBC provides a standard API for tool/database developers and makes it possible to write database applications using a pure Java API.</p> <p>d. The combination of Java and JDBC lets a programmer write it once and run it anywhere</p>	a

<p>What is INCORRECT about the GET method</p> <p>a. Should never be used when dealing with sensitive data</p> <p>b. Used for sending huge amounts of information having visible in a URL.</p> <p>c. is one of the most common HTTP methods.</p> <p>d. Used to request data from a specified resource.</p>	<p>b</p>
<p>What is the key difference between using a and HttpServletResponse.sendRedirect?</p> <p>a. Both the same</p> <p>b. forward is a action, send Redirect() is a method</p> <p>c. forward executes on the client while send Redirect() executes on the server.</p> <p>d. forward executes on the server while send Redirect() executes on the client.</p>	<p>d</p>
<p>Which of the following directories are legal locations for the deployment descriptor file?</p> <p>Note that all paths are shown as from the root of the machine or drive.</p> <p>Select one:</p> <p>a. /WEB-INF</p> <p>b. /WEB-INF/xml</p> <p>c. /WEB-INF/classes</p> <p>d. None of others</p>	<p>a</p>
<p>___ 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.</p> <p>Select one:</p> <p>a. Cookie</p> <p>b. Hidden Field</p> <p>c. Session management</p> <p>d. URL Rewrite</p>	<p>c</p>

Consider the following code:

```
public void doGet( HttpServletRequest req,  
    HttpServletResponse res)  
{  
    HttpSession session = req.getSession( );  
    ServletContext ctx = this.getServletContext(  
    );  
    if( req.getParameter( "userid" ) != null)  
    {  
        String userid = req.getParameter( "userid");  
        //1  
    }  
}
```

You want the userid parameter to be available only to the requests that come from the same user. Which of the following lines would you insert at //1?

(Select one)

Select one:

- a. session.addAttribute("userid", userid);
- b. req.setAttribute("userid", userid);
- c. ctx.addAttribute("userid", userid);
- d. session.setAttribute("userid", userid);

d

Study the statements:

- 1) Every web application within a web container has a unique context path.
- 2) The context path and any directories you choose to create within it contain resources that are accessible through HTTP.

Select one:

- a. Only statement 2 is true.
- b. Only statement 1 is true.
- c. Both 1 and 2 are not true.
- d. Both 1 and 2 are true.

d

<p>Study the following statements:</p> <p>1) A session object can be accessed by all web applications in the same server.</p> <p>2) Session object exists longer than the application object.</p> <p>3) The request object lives longer than the session object.</p> <p>The statement (1) is, (2) is and (3) is</p> <p>Select one:</p> <p>a. true, true, true</p> <p>b. true, false, false</p> <p>c. None of the others</p> <p>d. true, false, true</p> <p>e. false, false, true</p>	<p>c</p>
<p>Which of the following statement is false about security mechanism used in Web application?</p> <p>Select one:</p> <p>a. In form-based authentication, an error page is shown at user's side if the login failed.</p> <p>b. In HTTP digest authentication, the server has the digest value of password based on a hash function.</p> <p>c. In basic security mechanism, the Web browser never pops-up a login page</p> <p>d. None of the others.</p>	<p>c</p>
<p>When using form-based authentication, which action must be used in the login form?</p> <p>Select one:</p> <p>a. j_security_check</p> <p>b. j_securitycheck</p> <p>c. jsecurity_check</p> <p>d. jsecuritycheck</p>	<p>a</p>
<p>The page, request, session, or application object in JSP has some methods as ____</p> <p>Select one:</p> <p>a. setAttribute, getAttribute, removeAttribute</p> <p>b. setContent, getAttribute, invalidate</p> <p>c. setAttribute, getSession, getParameter</p> <p>d. None of the others.</p>	<p>a</p>

<p>The JSP developer wants a comment to be visible in the final output to the browser. Which comment style needs to be used in a JSP page?</p> <p>Select one:</p> <ul style="list-style-type: none">a. <code><%-- this is a comment --%></code>b. <code><% /* this is a comment */ %></code>c. <code><% // this is a comment %></code>d. <code><!-- this is a comment --></code>	d
<p>JSP _____ let you insert arbitrary code into the servlet's <code>_jspService</code> method (which is called by service).</p> <p>Select one:</p> <ul style="list-style-type: none">a. expressionsb. declarationsc. All of othersd. scriptletse. None of others	d
<p>Which of the following statements about the <code>jsp:useBean</code> is (are) true?</p> <p>Select one:</p> <ul style="list-style-type: none">a. To locate and instantiate the Bean, the <code>jsp:useBean</code> attempts to locate a Bean within the scopeb. The <code>jsp:useBean</code> is used to locate or instantiate a JavaBean componentc. The <code>jsp:useBean</code> first tries to locate an instance of the bean, otherwise it instantiates the Bean from a classd. All of the others	d
<p>What will be the output of the code snippet <code>\${"2" + "2"}?</code></p> <p>Select one:</p> <ul style="list-style-type: none">a. None of the othersb. 4c. 2+2d. 22	b
<p>____ sends a request to an object and includes the result in a JSP file.</p> <p>Select one:</p> <ul style="list-style-type: none">a. include directiveb. <code><jsp:include></code>	b

Consider the following <taglib> element, which appears in a deployment descriptor of a web application:

```
<taglib>  
<taglib-uri>/accounting</taglib-uri>  
<taglib-location>/WEB-INF/tlds/SmartAccount.tld</taglib-location>  
</taglib>
```

Which of the following correctly specifies the use of the above tag library in a JSP page? (Select one)

Select one:

- a. <%@ taglib library="/accounting" prefix="acc"%>
- b. <%@ taglib uri="/acc" prefix="/accounting"%>
- c. <%@ taglib name="/accounting" prefix="acc"%>
- d. <%@ taglib uri="/accounting" prefix="acc"%>

d

You need to store a Java long primitive attribute, called customerOID, into the session scope. Which two code snippets allow you to insert this value into the session? (Choose two.)

Select one or more:

- a. long customerOID = 47L;
session.setAttribute("customerOID", customerOID);
- b. long customerOID = 47L;
session.setLongAttribute("customerOID", new Long(customerOID));
- c. long customerOID = 47L;
session.setAttribute("customerOID", new Long(customerOID));
- d. long customerOID = 47L;
session.setNumericAttribute("customerOID", new Long(customerOID));

a

A session-scoped attribute, product, is stored by a servlet. That servlet then forwards to a JSP page. This attribute holds an instance of the com.example.Product class with a name property of "The Matrix" and price property of 39.95. Given the JSP page code snippet: 1. <jsp:useBean id='product' class='com.example.Product'> 2. <jsp:setProperty name='product' property='price' value='49.95'/> 3. </jsp:useBean> 4. <%= product.getName() %> costs <%= product.getPrice() %> What is the response output of this JSP page code snippet? Select one:

- a. Default costs 39.95
- b. Default costs 49.95
- c. The Matrix costs 0.0
- d. Default costs 0.0

b

Given:

- 5. public interface MrB1 {
- 6. public interface MrB2 {

A java class is defined as:

- 11. @Stateless
- 12. public class MrBean implements MrB1,MrB2 {

Which two statements are correct for making this code work as a stateless session bean, considering that this session bean is NOT defined in a deployment descriptor and the interfaces do NOT have annotations? (Choose two.)

Select one or more:

- a. Both interfaces MrB1 and MrB2 must be annotated to make this a working stateless session bean.
- b. Only the interface for remote usage must be annotated.
- c. The interfaces MrB1 and MrB2 can only be used locally without changing the code.
- d. The interfaces MrB1 and MrB2 can be annotated differently, one with @Local and the other with @Remote.

a

<p>Which of the following is not true about Enterprise JavaBeans (prior to EJB 3.0) objects?</p> <p>Select one:</p> <p>a. The home interface is responsible for locating or creating instances of the desired bean and returning remote references.</p> <p>b. The bean must implement one ejbCreate() method for each create() method in the home interface.</p> <p>c. The bean implements either the EntityBean interface or the SessionBean interface but need not implement all the methods defined in the remote interface.</p> <p>d. The remote interface, or the EJBObject interface, typically provides method signatures for business methods.</p>	c
<p>A JSP file uses a tag as <myTaglib:myTag>. The myTag element here should be defined in the tag library descriptor file in the taglib element using which element. Select one correct answer.</p> <p>Select one:</p> <p>a. name</p> <p>b. tagname</p> <p>c. prefix</p> <p>d. tag</p>	a
<p>Which followings is the top interface that allows to create a custom tag handler?</p> <p>Select one:</p> <p>a. Tag</p> <p>b. IterationTag</p> <p>c. TagSupport</p> <p>d. BodyTag</p> <p>e. BodyTagSupport</p>	a
<p>What method must be implemented to receive messages in a message-driven bean (MDB)?</p> <p>Select one:</p> <p>a. The onMessage method</p> <p>b. The processMessage method</p> <p>c. The receive method</p> <p>d. The readMessage method</p>	a

<p>Which JSTL tag likes <code><%= ... >?</code></p> <p>Select one:</p> <ul style="list-style-type: none">a. <code><c:out ></code>b. <code><c:out.print ></code>c. <code><c:in ></code>d. <code><c:output ></code>	a
<p>Given that session is a valid <code>HttpSession</code> object:</p> <pre>int max = session.getAttribute("MyReallyLongName");</pre> <p>Which is true?</p> <p>Select one:</p> <ul style="list-style-type: none">a. The <code>HttpSession</code> attribute name must NOT exceed eight characters.b. Primitives CANNOT be stored in the <code>HttpSession</code>.c. All of the othersd. The <code>getAttribute</code> method takes two arguments.	b
<p>Study the following statements:</p> <ul style="list-style-type: none">1) A session object can be accessed by all web applications in the same server.2) Session object exists longer than the application object.3) The request object lives longer than the session object. <p>The statement (1) is, (2) is and (3) is</p> <p>Select one:</p> <ul style="list-style-type: none">a. true, false, falseb. false, false, truec. true, true, trued. true, false, truee. None of the others	e
<p>Use a _____ to place code in the generated servlet outside of the <code>_jspService()</code> method</p> <p>Select one:</p> <ul style="list-style-type: none">a. declarationb. commentc. expressiond. scriptlet	a

Which two statements about tag files are true? (Choose two.)

Select one or more:

- a. If files foo1.tag and foo2.tag both reside in /WEB-INF/tags/bar, the container will consider them part of the same tag library.
- b. A file named foo.tag, located in /WEB-INF/tags/bar, is recognized as a tag file by the container.
- c. A file named foo.tag, located in a web application's root directory, is recognized as a tag file by the container.
- d. Classic tag handlers and tag files CANNOT reside in the same tag library.

ab

A developer wants to write a stateful session bean using the following interface as local business interface:

- 1. package acme;
- 2. public interface Bar {
- 3. public void bar();
- 4. }

Assuming there is NOT an ejb-jar.xml file, which code can be inserted into Lines 4-6 below to define the bean with the ejb name of BarBean?

- 1. package acme;
- 2. import javax.ejb.*;
- 3. import java.io.*;
- 4.
- 5.
- 6.
- 7. }

Select one:

- a. @Stateful(name="Bar")
public class BarBean implements Bar {
public void bar() {}
- b. @Stateful
public class BarEJB implements Bar {
public void bar() {}
- c. @Stateful
public class BarBean implements Serializable,
Bar {
public void bar() {}
- d. @Stateful(name="Bar")
public class BarBean implements Bar {
public void bar() throws

c

<p>You are creating a web form with this HTML:</p> <p>11. <form action="sendOrder.jsp"></p> <p>12. <input type="text" name="creditCard"></p> <p>13. <input type="text" name="expirationDate"></p> <p>14. <input type="submit"></p> <p>15. </form></p> <p>Which HTTP method is used when sending this request from the browser?</p> <p>Select one:</p> <p>a. POST</p> <p>b. FORM</p> <p>c. SEND</p> <p>d. GET</p> <p>e. PUT</p>	<p>d</p>
<p>The HttpServletResponse lets you:</p> <p>Select one:</p> <p>a. obtain a PrintWriter used to send the document content back to the client.</p> <p>b. specify outgoing information such as HTTP status codes (200, 404, etc.)</p> <p>c. specify response headers (Content-Type, Set-Cookie, etc.)</p> <p>d. All of the others.</p>	<p>d</p>
<p>The JSP element <%!.....%> will be replaced by the tag in the JSP document.</p> <p>Select one:</p> <p>a. <jsp:method>></jsp:method></p> <p>b. All of the others.</p> <p>c. <jsp:variable> ... </jsp:variable></p> <p>d. <jsp:declaration> ... </jsp:declaration></p>	<p>d</p>
<p>Which of the following statements about the ServletContext is true ?</p> <p>Select one:</p> <p>a. The ServletContext API is used to set the information common to all servlets in an application</p> <p>b. All of the others</p> <p>c. Servlets running in the same server sometimes share resources</p> <p>d. The attributes of ServletContext class can be used to share information among a group of servlets</p>	<p>b</p>

A _____ session bean is a bean that holds conversations that span a single method call.

Select one:

- a. no-state
- b. one-call
- c. stateless
- d. stateful

d

Consider the following HTML page code:

```
<html><body>
<form name="data"
action="/servlet/DataServlet"
method="POST">
<input type="text" name="name">
<input type="submit" name="submit">
</form>
</body></html>
```

Identify the TWO methods that can be used to retrieve the value of the name parameter when the form is submitted.

Select one:

- a. `getParameterValue("name");`
- b. `getParameters("name");`
- c. `getParameter("name");`
- d. `getValue("name");`

c

Which of the following lines would you use to include the output of Data

Servlet into any other servlet? (Select one)

Select one:

- a. `RequestDispatcher rd = request.getRequestDispatcher(); rd.include("/servlet/DataServlet", request, response);`
- b. `RequestDispatcher rd = request.getRequestDispatcher("/servlet/DataServlet"); rd.include(response);`
- c. `RequestDispatcher rd = request.getRequestDispatcher(); rd.include("/servlet/DataServlet", response);`
- d. `RequestDispatcher rd = request.getRequestDispatcher("/servlet/DataServlet"); rd.include(request, response);`

d

<p>Which of the following exceptions may be thrown by the <code>_jspService()</code> method? (Select one)</p> <p>Select one:</p> <ul style="list-style-type: none">a. <code>javax.servlet.ServletException</code>b. <code>javax.servlet.ServletException</code> and <code>java.io.IOException</code>c. <code>javax.servlet.ServletException</code> and <code>javax.servlet.jsp.JSPException</code>d. <code>javax.servlet.jsp.JSPException</code>	b
<p>Which of the followings is a correct way to pass a parameter equivalent to the query string <code>user=mary</code> at request time to an included component?</p> <p>Select one:</p> <ul style="list-style-type: none">a. <code><jsp:include page="other.jsp"><jsp:param value="mary" name="user" /></jsp:include></code>b. <code><jsp:include page="other.jsp"><jsp:param param="user" value="mary"/></jsp:include></code>c. <code><jsp:include page="other.jsp"><jsp:param name="mary" value="user" /></jsp:include></code>d. <code><jsp:include page="other.jsp"><jsp:param paramName="user" paramValue="mary" /></jsp:include></code>e. <code><jsp:include page="other.jsp"><jsp:param user="mary" /></jsp:include></code>	a
<p>Which of the followings is a correct syntax of the method that is used to get the initialized parameter in <code>ServletContext</code> or <code>ServletConfig</code>?</p> <p>Select one:</p> <ul style="list-style-type: none">a. <code>String getInitParameter(String name);</code>b. <code>String getContextParameter(String name);</code>c. All of the others.d. <code>String getInitializedParameter(String name);</code>	a
<p>Which of the following interfaces or classes is used to retrieve the session associated with a user?</p> <p>Select one:</p> <ul style="list-style-type: none">a. <code>ServletConfig</code>b. <code>HttpServlet</code>c. <code>ServletContext</code>d. <code>HttpServletRequest</code>	d

<p>The session time-out value is controlled in which way(s)?</p> <p>Select one:</p> <ul style="list-style-type: none">a. All of the others.b. Individual Session Setting.c. Web Application Default.d. Application Server Global Default.	a
<p>A JSP page needs to perform some operations before servicing the first request. Where can this be done?</p> <p>Select one:</p> <ul style="list-style-type: none">a. within the <jsp:initialize> XML elementb. within a method called jsplnitc. within a scriptlet at the top of the JSP paged. within the page directive of the JSP page	b
<p>Given a web application in which the request parameter productID contains a product identifier. Which TWO EL expressions evaluate the value of the productID?</p> <p>Select one or more:</p> <ul style="list-style-type: none">a. \${params.productID[1]}b. \${param.productID}c. \${paramValues.productID[0]}d. \${paramValues.productID}e. \${params.productID}	bc
<p>The EntityManager interface defines the methods that are used to interact with the persistence context.</p> <p>Select one:</p> <ul style="list-style-type: none">a. Trueb. False	b
<p>In the request life cycle of Struts 2, which component invokes the Interceptors to apply the common functionalities?</p> <p>Select one:</p> <ul style="list-style-type: none">a. FilterDispatcherb. ActionInvocationc. ActionServletd. None of the otherse. ActionMapping	b

<p>The HttpServletRequest has methods by which you can find out about incoming information such as:</p> <p>Select one:</p> <ul style="list-style-type: none">a. HTTP request headersb. form datac. cookiesd. the client's hostnamee. All of the others.	e
<p>What is NOT true about MVC Model 2 Architecture</p> <ul style="list-style-type: none">a. The controller transmits the request, and selects a view for presenting data to the user.b. The view represents the user interface component of the data modelc. The model represents the application object or data.d. It is applied for little applications only, not for substantial applications	d
<p>What http method send by browser that gives the server what user data typed in the form</p> <ul style="list-style-type: none">a. deleteb. postc. headd. put	b
<p>What type of servlets use these methods such as doGet(), doPost(),doHead, doDelete(), doTrace()?</p> <ul style="list-style-type: none">a. ConfigServletb. HttpServletc. RequestServletd. GenereicServlet	b
<p>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. select 2</p> <ul style="list-style-type: none">a. doPost()b. doOptions()c. doGet()d. service()	cd

<p>What is NOT true about RequestDispatcher in Servlet</p> <ul style="list-style-type: none">a. Uses getRequestDispatcher() method to return the forward/include objectb. Uses include method, the control retains with the current Servlet and it just includes the processing done by the calling of Servlet or the JSPc. provides the facility of dispatching the request to another resource it may be html, servlet or jspd. uses forward method, the control is transferred to the next Servlet or JSP the application is calling	a
<p>Which of the following are the valid scopes in JSP?</p> <ul style="list-style-type: none">a. request, page, session, applicationb. request, page, context, applicationc. response, page, session, applicationd. request, page, session, global	a
<p>In model, what is the characteristics that distinguish a JavaBean from other Java classes .. Select3</p> <ul style="list-style-type: none">a. override the method HiddenBean()b. Bean attributes are self-introduce with getter and setter methodsc. provides a default, no-argument constructor.d. must implements the Serializable interface.	bcd
<p>Which option is true about the object with "session" scope?</p> <ul style="list-style-type: none">a. Objects are accessible only from the pages which are processing the same requestb. Objects are accessible only from the pages which reside in same applicationc. Objects are accessible only from the pages which are in same sessiond. Objects are accessible only from one page in which they are created	c

<p>Which options specify a servlet call a JSP error to process any exceptions thrown?</p> <p>a. The exception is passed along as an attribute named "javax.servlet.jsp.jspException".</p> <p>b. The servlet needs to save the exception off in a cookie.</p> <p>c. The servlet needs to forward the request to the specific error page URL.</p> <p>d. It can automatically be caught by the JSP error_page to be declared.</p>	d
<p>Which of the following code is used to get a HttpSession object in servlets?</p> <p>a. response.createSession()</p> <p>b. response.newSession()</p> <p>c. request.getSession()</p> <p>d. response.getSession()</p>	c
<p>Which of the following common mechanism are used for session tracking? select 2</p> <p>a. Cookies</p> <p>b. URL-rewriting</p> <p>c. RequestDispatcher</p> <p>d. SSL sessions (HttpSession)</p>	ab
<p>Which of the following action tag is used to include a dynamic resource in JSP?</p> <p>a. jsp:setProperty</p> <p>b. jsp:plugin</p> <p>c. jsp:getProperty</p> <p>d. jsp:include</p>	d
<p>What is not TRUE about filter</p> <p>a. filter can be attached to one or more servlets or JSP pages and can examine the request information going into these resources</p> <p>b. filter can Invoke the resource but modify response before sending it to the client</p> <p>c. filter can Prevent resource? from being redirected to a different resource</p> <p>d. filter is a filter is a small program that run on the server before the servlet or JSP page with which it is associatedsmall program that run on the server before the servlet or JSP</p>	c

<p>In Struts 2, the dispatch from controller to action class is based on a configuration file that is :</p> <ul style="list-style-type: none"> a. struts.xml b. struts-configs.xml c. struts-action-config.xml d. struts-processor-conifg.xml 	<p>c</p>
<p>A</p>	<p>Which of the following statements are correct about the status of the Http response? Select the one correct answer</p> <ul style="list-style-type: none"> A. A status of 200 to 299 signifies that the request was successful. B. A status of 300 to 399 is informational messages. C. A status of 400 to 499 indicates an error in the server D. A status of 500 to 599 indicates an error in the client.
<p>A</p>	<p>Classes HttpServlet and GenericServlet implement the __ interface.</p> <ul style="list-style-type: none"> A. Servlet B. Http C. HttpServletRequest D. HttpServletResponse
<p>A</p>	<p>You have to send a gif image to the client as a response to a request. Which of the following calls will you have to make?</p> <ul style="list-style-type: none"> A. response.setContentType("image/gif"); B. response.setType("application/gif"); C. response.setContentType("application/bin"); D. response.setType("image/gif");
<p>C</p>	<p>Consider the code of ReportServlet servlet of a web application. Assuming generateReport() is valid method and have no problems, which of the following statement about these servlet is true?</p> <ul style="list-style-type: none"> A. ReportServlet will throw exception at runtime. B. ReportServlet.java won't compile. C. ReportServlet.java will compile and run without any problems.
<p>A</p>	<p>Which method of ReportGeneratorServlet will be called when the user clicks on the URL shown by the following HTML.</p> <p>Assume that ReportGeneratorServlet does not override the service(HttpServletRequest, HttpServletResponse) method of the HttpServlet class.</p> <p>(Choose one)</p> <ul style="list-style-type: none"> A. doGet(HttpServletRequest, HttpServletResponse); B. doPost(HttpServletRequest, HttpServletResponse); C. doHead(HttpServletRequest, HttpServletResponse); D. doOption(HttpServletRequest, HttpServletResponse);

E	<p>What will be the outcome of executing the following code?</p> <pre>public void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException { response.setContentType("text/plain"); response.setContentLength(6); PrintWriter out = response.getWriter(); out.write("What's your name? "); out.write("" + response.isCommitted()); }</pre> <p>A. Won't execute because of a compilation error. B. An IllegalArgumentException is thrown. C. An IllegalStateException is thrown. D. A blank page is returned to the client. E. "What's" is returned to the client. F. "What's your name?" is returned to the client.</p>
C	<p>Following is the code for doGet() and doPost() methods of TestServlet. Which of the statement is correct?</p> <p>A. This will only work for HTTP GET requests B. This will only work for HTTP POST requests C. This will work for HTTP GET as well as POST requests. D. It'll throw an exception at runtime, as you cannot call doGet() from doPost(). E. It'll throw an exception at runtime only if a POST request is sent to it.</p>
A	<p>Which of the following is indicated by URL, which is used on the Internet?</p> <p>A. Information resources(sources) on the Internet B. E-mail addresses for use in the Internet C. IP addresses of servers connected to the Internet D. Owners of PCs connected to the Internet</p>
D	<p>Identify correct statement about a WAR file.(Choose one)</p> <p>A. It is an XML document. B. It cannot be unpackaged by the container. C. It is used by web application developer to deliver the web application in a single unit. D. It contains web components such as servlets as well as EJBs.</p>

A

See the extract from web.xml of web application "mywebapp" on server named myserver, runs on port 8080:

```
<servlet-mapping>
<servlet-name>ServletA</servlet-name>
<url-pattern>/</url-pattern>
</servlet-mapping>
<servlet-mapping>
<servlet-name>ServletB</servlet-name>
<url-pattern>/bservlet.html</url-pattern>
</servlet-mapping>
<servlet-mapping>
<servlet-name>ServletC</servlet-name>
<url-pattern>*.servletC</url-pattern>
</servlet-mapping>
<servlet-mapping>
<servlet-name>ServletD</servlet-name>
<url-pattern>/dservlet/*</url-pattern>
</servlet-mapping>
```

Given that a user enters the following into her browser, which (if any) of the mapped servlets will execute? (Choose one.)

http://myserver:8080/mywebapp

- A. ServletA
- B. ServletB
- C. ServletC
- D. ServletD

A

A parameter is defined in a <context-param> element of the deployment descriptor for a web application. Which of the following statements is correct?

- A. It is accessible to all the servlets of the webapp.
- B. It is accessible to all the servlets of all the webapps of the container.
- C. It is accessible only to the servlet it is defined for.

A

A manages the threading for the servlets and JSPs and provides the necessary interface with the Web server.

- A. Web Container
- B. EJB Container
- C. Servlets
- D. Applets

A	<p>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.</p> <p>A. Cookie B. Session C. Request D. Response</p>
D	<p>Which of the following method calls can be used to retrieve an object from the session that was stored using the name "roleName"?</p> <p>A. getObject("roleName"); B. getValue("roleName"); C. get("roleName"); D. getAttribute("roleName"); E. getParameter("roleName");</p>
D	<p>Which is NOT a standard technique for a session be definitely invalidated?</p> <p>A. The container is shutdown and brought up again. B. No request comes from the client for more than "session timeout" period. C. A servlet explicitly calls invalidate() on a session object. D. If the session time out is set to 0 using setMaxInactiveInterval() method.</p>
A	<p>Which method can be invoked on a session object so that it is never invalidated by the servlet container automatically?</p> <p>A. setMaxInactiveInterval(-1) B. setTimeOut(Integer.MAX_INT) C. setMaxInactiveInterval(Integer.MAX_INT) D. setTimeOut(-1)</p>
A	<p>Session death is more likely to come about through a time-out mechanism. If there is no activity on a session for a predefined length of time, the web container invalidates the session.</p> <p>A. True B. False</p>
A	<p>What are the different scope values for the <jsp:useBean>? (Choose one correct answer)</p> <p>A. session, page, application, request B. session, page, application, global C. session, page, application, context D. session, page, response, request</p>

A

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

```
<% String myName=request.getParameter("name");%>
<% String test= "Welcome " + myName; %>
<%=test%>
```

What is the output?

- A. The page display "Welcome John"
- B. The program gives a syntax error because of the statement `<% String myName=request.getParameter("name");%>`
- C. The program gives a syntax error because of the statement `<% String test= "Welcome " + myName; %>`
- D. The program gives a syntax error because of the statement `<%=test%>`

A

Name the default value of the scope attribute of `<jsp:useBean>`

- A. page
- B. session
- C. application
- D. request

B

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%>
```

What is the output?

- A. The program prints "Welcome John"
- B. The program gives a syntax error because of the statement `<%! String myName=request.getParameter();%>`
- C. The program gives a syntax error because of the statement `<% String test= "welcome" + myName; %>`
- D. The program gives a syntax error because of the statement `<%= test%>`

A

Select the correct directive statement insert into the first line of following lines of code (I insert code here):

- A. `<%@page import='java.util.*' %>`
- B. `<%@import package='java.util.*' %>`
- C. `<%@ package import ='java.util.*' %>`
- D. `<%! page import='java.util.*' %>`

A	<p>For JSP scopes of request and page, what type of object is used to store the attributes?</p> <p>A. HttpServletRequest and ServletContext respectively. B. ServletRequest and ServletConfig respectively. C. ServletRequest and PageContext respectively. D. HttpServletRequest and PageContext respectively. E. ServletConfig for both.</p>
B	<p>Which of the following correctly represents the following JSP statement? Select one correct answer.</p> <p><%=x%></p> <p>A. <jsp:expression=x/> B. <jsp:expression>x</jsp:expression> C. <jsp:statement>x</jsp:statement> D. <jsp:declaration>x</jsp:declaration> E. <jsp:scriptlet>x</jsp:scriptlet></p>
D	<p>What gets printed when the following JSP code is invoked in a browser? Select one correct answer.</p> <p><%= if(Math.random() < 0.5) %> hello <%= } else { %> hi <%= } %></p> <p>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.</p>
B	<p>Which technique is likely to return an initialization parameter for a JSP page?</p> <p>A. <%= request.getParameter("myParm") %> B. <% String s = getInitParameter("myParm"); %> C. <% = application.getInitParameter("myParm") %> D. <%= getParameter("myParm") %> E. <% String s = getAttribute("myParm"); %></p>
A	<p>A JSP _____ lets you define methods or fields that get inserted into the main body of the servlet class (outside of the <code>_jspService</code> method that is called by service to process the request).</p> <p>A. declaration B. scriptlet C. expression</p>

E	<p>Which jsp tag can be used to set bean property?</p> <p>A. jsp:useBean B. jsp:useBean.property C. jsp:useBean.setProperty D. jsp:property E. jsp:setProperty</p>
C	<p>Which statements are BEST describe param attribute of <jsp:setProperty param=.... /> Action?</p> <p>A. The ID of the JavaBean for which a property (or properties) will be set. B. The name of the property to set. Specifying "*" for this attribute causes the JSP to match the request parameters to the properties of the bean. C. If request parameter names do not match bean property names, this attribute can be used to specify which request parameter should be used to obtain the value for a specific bean property. D. The value to assign to a bean property. The value typically is the result of a JSP expression.</p>
D	<p>Which statements are BEST describe value attribute of <jsp:setProperty value=... /> action?</p> <p>A. The ID of the JavaBean for which a property (or properties) will be set. B. The name of the property to set. Specifying "*" for this attribute causes the JSP to match the request parameters to the properties of the bean. C. If request parameter names do not match bean property names, this attribute can be used to specify which request parameter should be used to obtain the value for a specific bean property. D. The value to assign to a bean property. The value typically is the result of a JSP expression.</p>
A	<p>Which statements are BEST describe id attribute of <jsp:useBean id=..... /> Action?</p> <p>A. The name used to manipulate the Java object with actions <jsp:setProperty> and <jsp:getProperty>. A variable of this name is also declared for use in JSP scripting elements. The name specified here is case sensitive. B. The scope in which the Java object is accessible—page, request, session or application. The default scope is page. C. The fully qualified class name of the Java object. D. The name of a bean that can be used with method instantiate of class java.beans.Beans to load a JavaBean into memory. E. The type of the JavaBean. This can be the same type as the class attribute, a superclass of that type or an interface implemented by that type. The default value is the same as for attribute class. A ClassCastException occurs if the Java object is not of the type specified with attribute type.</p>

A	<p>Which statements are BEST describe errorPage attribute of <%@ page errorPage=...%> directive?</p> <p>A. Any exceptions in the current page that are not caught are sent to the error page for processing. The error page implicit object exception references the original exception.</p> <p>B. Specifies if the current page is an error page that will be invoked in response to an error on another page. If the attribute value is true, the implicit object exception is created and references the original exception that occurred.</p> <p>C. Specifies the MIME type of the data in the response to the client. The default type is text/html.</p> <p>D. Specifies the class from which the translated JSP will be inherited. This attribute must be a fully qualified package and class name.</p>
A	<p>Action ____has the ability to match request parameters to properties of the same name in a bean by specifying "*" for attribute property.</p> <p>A. <jsp:setProperty></p> <p>B. <jsp:getProperty></p> <p>C. <jsp:useBean></p> <p>D. <jsp:include></p>
B	<p>Which of the following are potentially legal lines of JSP source?</p> <p>A. <jsp:useBean id="beanName1" class="a.b.MyBean" type="a.b.MyInterface" /></p> <p>B. <% String className = "a.b.MyBean"; %></p> <p><jsp:useBean id="beanName2" class="<%=className%>" /></p> <p>C. <% String beanName = "beanName3"; %></p> <p><jsp:useBean id="<%=beanName3%>" class="a.b.MyBean" /></p> <p>D. <% String propName = "soleProp"; %></p> <p><jsp:getProperty name="beanName1" property="<%=propName%>" /></p>
B	<p>What sub element of <attribute> tag defines the name of the attribute that might be passed to the tag handler? (Choose one)</p> <p>A. <attribute-name></p> <p>B. <name></p> <p>C. <attributename></p> <p>D. <param-name></p>
B	<p>What should be the value of <body-content> subelement of element <tag> in a TLD file if the tag should not have any contents as its body?</p> <p>A. blank</p> <p>B. empty</p> <p>C. null</p> <p>D. false</p>

E

Identify the correct element is required for a valid <taglib> tag in web.xml
(Choose one)

- A. <uri>
- B. <tag-uri>
- C. <uri-name>
- D. <uri-location>
- E. <taglib-uri>

Given the following JSP and tag handler code, what is the result of accessing the JSP?

JSP Page Source

```
<html>
<body>
<%@taglib uri="test_taglib" prefix="myTag"%>
<% session.setAttribute("first", "first"); %>
<myTag:TestTag/>
<br>
<%=session.getAttribute("second")%>
</body>
</html>
```

Tag Handler Code for <myTag:TestTag />

```
package examples;
import java.io.*;
import javax.servlet.jsp.*;
import javax.servlet.jsp.tagext.*;

public class TestTag extends TagSupport
{
    private PageContext pageContext;
    public void setPageContext(PageContext page){
        this.pageContext=page;
    }

    public int doStartTag() throws JspException {
        try{
            String first=pageContext.getSession().getAttribute("first").toString();
            pageContext.getOut().write(first);
            pageContext.setAttribute("second", "second",PageContext.PAGE_SCOPE);
        }
        catch(IOException i)
        {
            throw new JspException(i.getMessage());
        }
        return SKIP_BODY;
    }

    public int doEndTag() throws JspException{
        return EVAL_PAGE;
    }
    public void release(){
    }
}
```

C

	<div><div></div><div>A. first null B. second null C. first second D. second first</div></div>
CD	<div><div></div><div>Which of these is legal return types of the doAfterBody method defined in a class that extends TagSupport class? A. EVAL_PAGE B. EVAL_BODY C. EVAL_PAGE_AGAIN D. SKIP_BODY E. SKIP_PAGE</div></div>
A	<div><div></div><div>Which of the following elements defines the properties of an attribute that a tag needs? A. attribute B. tag-attribute C. tag-attribute-type D. attribute-type</div></div>
A	<div><div></div><div>Which element defined within the taglib element of taglib descriptor file is required? Select one correct answer. A. Tag B. Description C. Validator D. Name</div></div>

D	<p>Which of the following is a properly formatted taglib element occurring in web.xml?</p> <p>A. <taglib> <uri>/graph</uri> <location>/WEB-INF/Charts.tld</location> </taglib></p> <p>B. <taglib> <lib-uri>/graph</lib-uri> <lib-location>/WEB-INF/Charts.tld</lib-location> </taglib></p> <p>C. <taglib> <taglib-name>/graph</taglib-name> <taglib-location>/WEB-INF/Charts.tld</taglib-location> </taglib></p> <p>D. <taglib> <taglib-uri>/graph</taglib-uri> <taglib-location>/WEB-INF/Charts.tld</taglib-location> </taglib></p>
c	<p>Study the statements:</p> <p>1) URL rewriting may be used when a browser is disabled cookies.</p> <p>2) In URL encoding the session id is included as part of the URL</p> <p>Which is the correct option ?</p> <p>A. Only statement 1 is true</p> <p>B. Only statement 2 is true</p> <p>C. Both 1 and 2 are true</p> <p>D. Both 1 and 2 are not true</p>
d	<p>A JSP page will not have access to session implicit variable if.</p> <p>A. the user has closed all his/her browser windows.</p> <p>B. the request is the first request from the user.</p> <p>C. the user's browser does not support URL rewriting.</p> <p>D. the session attribute of page directive is set to false.</p>

d

Which statements are BEST describe type attribute of <jsp:useBean type=_. /> action?

- A. The name used to manipulate the Java object with actions <jsp:setProperty> and <jsp:getProperty>. A variable of this name is also declared for use in JSP scripting elements. The name specified here is call..
- B. The name of a bean that can be used with method instantiate of class java.beans.Beans to load a JavaBean into memory.
- C. The fully qualified class name of the Java object
- D. The type of the JavaBean. This can be the same type as the class attribute, a superclass of that type or an interface implemented by that type. The default value is the same as for attribute class. AClassCai
- E. The scope in which the Java object is accessible-page, request session or application. The default scope is page.

d

(Choose 1 answer)

HttpServletRequest.getSession() method returns a___object.

- A. HttpSessionSession.
- B. HttpSessionSession.
- C. HttpSessionSession.
- D. HttpSession.

a

(Choose 1 answer)

You need to make sure that the response stream of your web application is secure. Which factor will you look at? (Choose one)

- A. data integrity
- B. authentication
- C. authorization

b

Class HttpServlet defines the methods ____ and ____ to response to get and post request from a client.

- A. doGet, doPost
- B. doGet, doPost
- C. doGET, doPOST
- D. Get, Post

c

(Choose 1 answer)

Which of the elements defined within the taglib element of taglib descriptor file are required? Select one correct answer.

- A. taguri
- B. info
- C. taglib-location
- D. display-name

c

(Choose 1 answer)

Which of the following method calls can be used to retrieve an object from the session that was stored using the name "userid"?

- A. getValue("userid");
- B. get("userid");
- C. getAttribute("userid");
- D. getParameter("userid");
- E. getObject("userid");

c

(Choose 1 answer)

Consider the following doGet method code of a servlet

```
public void doGet(HttpServletRequest req, HttpServletResponse res)

{

String command = req.getParameter("command");
if("remove".equals(command))

{

HttpSession session = req.getSession();

//insert code here

}

}
```

If the command equals remove, you want to unbind an attribute named "user" from the session. Which of the following option will you use? (Choose one)

- A. session.deleteAttribute("user");
- B. session.unbindfuser");
- C. session.removeAttribute("user");
- D. session.remove("user");

c

(Choose 1 answer)

Which Java technology provides a standard API for publish-subscribe messaging model?

- A. JNDI
- B. UDDI
- C. JMS
- D. JSP

c

(Choose 1 answer)

Which of the following statements are correct about HTTP Basic authentication mechanism?

- A. HTML FORM is used to capture username and password.
- B. Password is transmitted in an encrypted form.
- C. Password is transmitted as text
- D. Password is transmitted either in encrypted text or in plain text depending on the browser.

a

(Choose 1 answer)

Which is NOT true about stateless session beans?

- A. They are used to represent data stored in a RDBMS
- B. They are used to implement business logic
- C. They are an Enterprises Beans
- D. They are CANNOT hold client state

a

(Choose 1 answer)

JSP_let you insert arbitrary code into the servlet's JspService method (which is called by service).

- A. scriptlets
- B. expressions
- C. declarations

c

(Choose 1 answer)

Which component can use a container-managed entity manager with an extended persistent context?

- A. Session beans and web components
- B. Only stateless session beans
- C. Only stateful session beans
- D. Any EJB component

a

(Choose 1 answer)

Which statements are BEST describe <jsp:include> Action?

- A. Dynamically includes another resource in a JSP. As the JSP executes, the referenced resource is included and processed.
- B. Specifies the relative URI path of the resource to include. The resource must be part of the same Web application.
- C. Specifies that the JSP uses a JavaBean instance. This action specifies the scope of the bean and assigns it an ID that scripting components can use to manipulate the bean.
- D. Forwards request processing to another JSP, servlet or static page. This action terminates the current JSP's execution.

ae

(Choose 2 answer)

Which of these is legal return types of the doEndTag method defined in a class that extends TagSupport class?

- A. EVAL_PAGE
- B. EVAL_BODY
- C. EVAL_PAGE_INCLUDE
- D. EVAL_BODY_INCLUDE
- E. SKIP_BODY

c

(Choose 1 answer)

A developer must implement a 'shopping cart' object for a web-based application. The shopping cart must be able to maintain the state of the cart but the state is not stored persistently. Which JEE (J2EE) tech

A. JMS

B. Stateless session beans

C. Stateful session beans

D. Entity beans

b

(Choose 1 answer)

Which is the correct sequence?

A. jsp page is compiled-->Jsp page is translated -->jspInit is called ->JspService is called -->jspDestroy is called

B. Jsp page is translated -->jsp page is compiled-->jspInit is called ->JspService is called -->jspDestroy is called

C. Jsp page is translated -->jsp page is compiled-->jspService is called ->jspInit is called -->jspDestroy is called

D. jsp page is compiled-->Jsp page is translated --> JspService is called -->jspInit is called -->jspDestroy is called

c

(Choose 1 answer)

Which statement is true about the EJB 3.0 stateful session beans?

A. Its conversational state is lost after passivation unless the bean class saves it to a database

B. Its conversational state is retained across method invocations but NOT across transaction boundaries

C. Its conversational state is retained across method invocations and transactions

a

(Choose 1 answer)

Consider the following tag declaration in a TLD file:

```
<tag>
```

```
<name>simpleInterest</name>
```

```
<tag-class>SimpleInterestTag</tag-class>
```

```
//1
```

```
</tag>
```

SimpleInteresTag calculates simple interest for any amount and requires two attributes 'amount' and 'rate'.

Which of the following sub elements would you need to add inside the <tag> element in the TLD in place of //1 as shown above? Two separate <attribute> elements.

- A. One <attribute> elementwith sub-elements
- B. One <attribute-list> elementwith sub-elements
- C. One <amount> element and one <rate> element

c

(Choose 1 answer)

Which statement about an entity instance lifecycle is correct?

- A. A removed entity instance is NOT associated with a persistence context
- B. A new entity instance is an instance with a fully populated state.
- C. A managed entity instance is the instance associated with a persistence context
- D. A detached entity instance is an instance with no persistent identity.

d

(Choose 1 answer)

Which of the following are potentially legal lines of JSP source?

A. `<jsp:useBean id="beanName1" class="a.b.MyBean" type="a.b.MyInterface" />`

B. `<% String propName = "soleProp": %>`

`<jsp:getProperty name="beanName1" property="<%=propName%>" />`

`/>`

C. `<% String beanName = "beanName3"; %>`

`<jsp:useBean id="<%=beanName3%>" class="a.b.MyBean" />`

D. `<% String className = "a.b.MyBean"; %>`

`<jsp:useBean id="beanName2" class="<%=className%>" />`

e

(Choose 1 answer)

You want to use a bean that is stored in com/enthu/GUI.ser file. Which of following statements correctly defines the tag that accesses the bean?

A. `<jsp:useBean id="pref" type="com/enthu/GUI.ser"/>`

B. `<jsp:useBean id="pref" name="com/enthu/GUI.ser"/>`

C. `<jsp:useBean id="pref" class="com.enthu.GUI.ser"/>`

D. `<jsp:useBean id="pref" name="com.enthu.GUur"/>`

E. `<jsp:useBean id="pref" beanName="com.enthu.GUI" type="com.enthu.GUI"/>`

b

(Choose 1 answer)

Which is NOT Enterprise Beans?

A. Message-Driven Beans

B. Business Beans

C. Entity Beans

a

(Choose 1 answer)

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?

A. <%@page contentType ='text/xml'>

B. <%@page contentType ='xml'>

C. <%@page contentType ='text/html*>

D. <%@page contentType ='html/xml*>

c

(Choose 1 answer)

Review the following scenario: then identify which security mechanisms would be important to fulfill the requirement (Choose one.)

An online magazine company wishes to protect part of its website content to make that part available only to users who pay a monthly subscription. The company wants to keep client network, and server processing overheads down: Theft of content is unlikely to be an issue, as is abuse of user IDs and passwords through network snooping.

A. Client certification

B. Confidentiality

C. Authorization and Authentication

D. Indication

E. Data integrity

e

(Choose 1 answer)

Which Java technology provides a unified interface to multiple naming and directory services?

A. JNI

B. JDBC

C. EJB

D. JavaMail

E. JNDI

c

(Choose 1 answer)

What sub element of <attribute> tag defines the name of the attribute that might be passed to the tag handler? (Choose one)

A. <attribute-name>

B. <attributename>

C. <name>

D. <param-name>

c

(Choose 1 answer)

Which statement is NOT true about JMS?

A. JSM support an event oriented approach to message reception.

B. JMS support both synchronous and asynchronous message passing

C. JMS does NOT depend on MOM (Messaging-Oriented Middleware) products

D. JMS provides common way for Java programs to access an enterprise messaging system's message

b

(Choose 1 answer)

Your servlet may receive a request, which the servlet cannot handle. In such cases, you want to redirect the request to another resource which may or may not be a part of the same web application. Which of the following options can be used to achieve this objective?

- A. `RequestDispatcher rd = request.getRequestDispatcher("some url");
rd.forward(request, response);`
- B. `response.sendRedirect("some url");`
- C. `request.sendRedirect("some url");`
- D. `RequestDispatcher rd =
this.getServletContext().getRequestDispatcher("some url");
rd.forward(request, response);`

b

(Choose 1 answer)

Which of the following elements are used for error handling and are child elements of `<web-app>` of a deployment descriptor?

- A. `<error_page>`
- B. `<error-page>`
- C. `<error-location>`
- D. `<error>`

b

(Choose 1 answer)

A JSP file uses a tag as `<myTaglib:myTag>`. The `myTag` element here should be defined in the which element of the `taglib` element in the tag library descriptor file ?

- A. `tagname`
- B. `name`
- C. `tag`
- D. `prefix`

b

Consider the Servlet definition in a web.xml file below.

(see picture)

What will the following line of code return if present in the init() method of TestServlet?

```
getInitParameter(1);
```

- A. It will return "US".
- B. Compilation error.
- C. It will return null.
- D. It will return "eastern".
- E. Runtime error.

b

(Choose 1 answer)

Which of the following statement is true for <jsp:useBean> ?

- A. The class attribute must be defined for <jsp:useBean>.
- B. The id attribute must be defined for <jsp:useBean>.
- C. The scope attribute must be defined for <jsp:useBean>.

c

(Choose 1 answer)

Which statement is correct about the Java Persistence API support for the SQL queries?

- A. SQL queries are expected to be portable across database
- B. SQL queries are NOT allowed to use parameters.
- C. The result of a SQL query is not limited to entities
- D. Only SELECT SQL queries are required to be supported

b

(Choose 1 answer)

Which of the following is NOT a standard technique for providing a sense of "state" to HTTP?

- A. SSL Sessions
- B. HTTP is already a stateful protocol.
- C. Cookies
- D. URL rewriting

a

(Choose 1 answer)

A(n)_enables a web application to obtain a Connection to a database.

- A. DataSource
- B. Netbean
- C. Eclipse
- D. Web server

b

(Choose 1 answer)

Which is a valid PostConstruct method in a message-driven bean class?

- A. @PostConstruct
public boolean init() {return true;}
- B. @PostConstruct
private void init() {};
- C. @PostConstruct
private static void init() {}
- D. @PostConstruct
public static void init() {}

b

(Choose 1 answer)

The sendRedirect method defined in the HttpServlet class is equivalent to invoking the setStatus method with the following parameter and a Location header in the URL. Select one correct answer.

- A. SC_NOT_FOUND
- B. SC_MOVED_TEMPORARILY
- C. SC_INTERNAL_SERVER_ERROR
- D. SC_BAD_REQUEST
- E. SC_OK

a

(Choose 1 answer)

Which is NOT provided by the EJB tier in a multitier JEE (J2EE) application?

- A. XML Parsing
- B. Concurrency control
- C. Transaction management
- D. Security

e

(Choose 1 answer)

Which type of JEE (or J2EE) component is used to store business data persistently?

- A. Stateful session beans
- B. Java Server Pages
- C. Stateless session beans
- D. Java Beans
- E. Entity Bean

a

(Choose 1 answer)

What is the purpose of JNDI?

- A. To access various directory services using a single interface
- B. To register Java Web Start applications with a web server
- C. To parse XML documents
- D. To access native code from Java application

a

Which of the following is true about Data Integrity?

- A. The information/data is not tampered with, in transit from host to client.
- B. The information/data is not read by parties other than it's intended recipients.
- C. The information/data is never modified.
- D. The information/data is accessible only to users who are authenticated.

C

(Choose 1 answer)

Which of the following statement is correct? (choose one)

- A. Authentication means determining whether one has access to a particular resource or not.
- B. Confidentiality and Authorization are one and the same thing.
- C. Authorization means determining whether one has access to a particular resource or not

d

(Choose 1 answer)

Which is true about JDBC?

- A. The JDBC API is an extension of the ODBC API
- B. All JDBC drivers are pure Java.
- C. JDBC is used to connect to MOM (Message-Oriented Middleware Product)
- D. The JDBC API is included in J2SE

A

(Choose 1 answer)

In which of the following cases will the method doEndTagO of a tag handler be invoked?

- A. It will be invoked in all case even if doStartTagO or doAfterBodyO throw an exception.
- B. This method is invoked if doStartTagO method returns true.
- C. It will be invoked only if doStartTagO and doAfterBodyO complete successfully.
- D. It will be invoked only if doStartTagO or doAfterBodyO return Tag.DO_END_TAG.

d

(Choose 1 answer)

Data Integrity is the biggest issue for your web application. What will you do? (Choose one)

- A. Use HTTPS instead of HTTP.
- B. Use LDAP to store user credentials.
- C. Use HTTP digest authentication.
- D. Use form-based authentication.

c

(Choose 1 answer)

Which jsp tag is needed to ensure that implicit variable 'exception' is available in the page that is meant to be an error page? (Choose one)

- A. <%@isErrorPage="true"%>
- B. <%@ page errorPage="this"%>
- C. <%@ page isErrorPage="true"%>
- D. <%@errorPage="true"%>

c

(Choose 1 answer)

Where the bean is declared using the following useBean tag accessible?

```
<jsp:useBean id="jbean" class="com.jclass.JBean" />
```

A. within other servlets and JSP pages of the same web applications.

B. throughout all future invocations of the JSP as long as the servlet engine is running.

C. Throughout the remainder of the page.

D. throughout all future invocations of the JSP as long as the session is not expired

d

(Choose 1 answer)

Which of the following statement correctly set a cookie from a servlet code? (Choose one)

Assume that response and request refer to HttpServletResponse and HttpServletRequest respectively.

A. requestsetCookie("mycookie". "value");

B. response.addCookiefmycookie". "value");

C. response.setCookie("mycookie". "value");

D. response.addCookie(newCookie("mycookie". "value"));

a

(Choose 1 answer)

Which statements are BEST describe contentType attribute of<%@ page contentType=_.%> directive?

- A. Specifies the MIME type of the data in the response to the client The default type is text/html.
- B. Any exceptions in the current page that are not caught are sent to the error page for processing. The error page implicit object exception references the original exception.
- C. Specifies the class from which the translated JSP will be inherited. This attribute must be a fully qualified package and class name.
- D. Specifies if the current page is an error page that will be invoked in response to an error on another page. If the attribute value is true, the implicit object exception is created and references the original excep

a

(Choose 1 answer)

The following line of code exists in the doGet method of Servlet String sid = request.getParameter("jsessionid");

Which of the option is NOT a standard technique for retrieving the HttpSession associated with the request? (Assume that the session has already been created.)

- A. HttpSession session = requestgetSession(sid);
- B. HttpSession session = requestgetSession();
- C. HttpSession session = requestgetSession(false);
- D. HttpSession session = request.getSession(true);

C

(Choose 1 answer)

Which is NOT the main type of JSP constructs that you embed in a page?

- A. directives
- B. scripting elements
- C. HTML code
- D. actions

a

(Choose 1 answer)

A web application named webmail has a file named folderview.jsp which the user should be able access directly. Which of the following directory may contain this file? (Choose one)

A. /webmail/jsp

B. /webmail/web-inf/jsp

C. /webmail/WEB-INF/lib/jsp

D. /webmail/WEB-INF/jsp

c

(Choose 1 answer)

Servlet Container calls the init method on a servlet instance_

A. For each request to the servlet

B. For each request to the servlet that causes a new thread to be created.

C. Only once in the life time of the servlet instance.

D. If the request is from the user whose session has expired.

d

Choose 1 answer)

Which of the following XML fragments correctly defines a role named "manager" in webxml?

A. <security-role>manager</security-role>

B. <security-role rolename=manager></security-role>

C. <security>

<role-name>manager</role-name>

</security>

D. <security-role>

<role-name>manager</role-name>

</security-role>

c

(Choose 1 answer)

Which of the following lines of code are correct?

A. @EntityBean

```
public class Employees{  
...  
}
```

B. class Employees{

@Entity

```
private class Address{  
...  
}  
...  
}
```

C. @Entity

```
public class Employees{  
}
```

d

The requirement for an online shopping application are:

It must support millions of customers. The invocations must be transactional. The shopping cart must be persistent Which technology is required to support these requirements?

A. JMX

B. JNI

C. JMS

D. EJB

c	<p>(Choose 1 answer)</p> <p>Which method would you use to put the session id into the URL to support sessions using URL rewriting?</p> <p>A. encodeURL() of HttpServlet</p> <p>B. rewriteURL() of HttpServletResponse</p> <p>C. encodeURL() of HttpServletResponse</p> <p>D. encodeURL() of HttpServletRequest</p>
b	<p>(Choose 1 answer)</p> <p>Which syntax is correct for JSP Declarations?</p> <p>A. <%=code%></p> <p>B. <%! code %></p> <p>C. <%code%></p>
a	<p>(Choose 1 answer)</p> <p>Which of the following is NOT a valid attribute for a useBean tag?</p> <p>A. className</p> <p>B. beanName</p> <p>C. scope</p>
b	<p>(Choose 1 answer)</p> <p>What is the implementation specification of EJB 3 session bean classes?</p> <p>A. a session bean class must be final or abstract</p> <p>B. a session bean class must be marked with @Stateless or @Stateful</p> <p>C. a session bean class can't extend other classes</p>

c

(Choose 1 answer)

Given a stateless session bean with container-managed transaction demarcation, from which method can a developer access another enterprise bean?

- A. bean constructor
- B. PreDestroy lifecycle callback method
- C. business method from the business interface

c

(Choose 1 answer)

Which statements are BEST describe name attribute of <jsp:setProperty name=_ /> action?

- A. If request parameter names do not match bean property names, this attribute can be used to specify which request parameter should be used to obtain the value for a specific bean property.
- B. The value to assign to a bean property. The value typically is the result of a JSP expression.
- C. The ID of the JavaBean for which a property (or properties) will be set.
- D. The name of the property to set. Specifying for this attribute causes the JSP to match the request parameters to the properties of the bean.

d

(Choose 1 answer)

Which is NOT responsibility of the business tier in a multitier web-based application with web, business, and EIS tiers?

- A. To participate in transactions
- B. To integrate with the legacy applications
- C. To provided business logic
- D. To generate dynamic content

c

(Choose 1 answer)

Name the implicit variable is available to JSP pages that may be used to access all the other implicit objects.

- A. request
- B. response
- C. pageContext
- D. out
- E. page

b

(Choose 1 answer)

Which statements are BEST describe scope attribute of `<jsp:useBean scope=... />` Action?

- A. The name used to manipulate the Java object with actions `<jsp:setProperty>` and `<jsp:getProperty>`. A variable of this name is also declared for use in JSP scripting elements. The name specified here is `ca`
- B. The scope in which the Java object is accessible—page, request, session or application. The default scope is page.
- C. The name of a bean that can be used with method `newInstance` of class `java.beans.Beans` to load a `JavaBean` into memory.
- D. The type of the `JavaBean`. This can be the same type as the class attribute, a superclass of that type or an interface implemented by that type. The default value is the same as for attribute `class`. `AClassCai`
- E. The fully qualified class name of the Java object

b

(Choose 1 answer)

Which statement(s) about Servlet Life Cycle is(are) correct? (Choose one)

A. When the servlet is first created, its init method is invoked, so that is where you put one-time setup code.

B. All the others

C. Servlet can implement a special interface that stipulates that only a single thread is permitted to run at any one time.

D. When the server decides to unload a servlet it first calls the servlet's destroy method.

E. Each user request results in a thread that calls the service method of the previously created instance.

F. Multiple concurrent requests normally result in multiple threads calling service simultaneously.

c

(Choose 1 answer)

Which is true about RMI?

A. RMI is used to create thin web client

B. RMI is the Java API used for executing queries on a database

C. RMI allows objects to be send from one computer to another

D. RMI is the transport protocol used by web servers and browsers

a

(Choose 1 answer)

Which statement is true about management of an EJB's resources?

A. The reference to home object is obtained through JNDI to improve maintainability and flexibility.

B. The reference to the remote object is obtained through JNDI to improve maintainability and flexibility.

b

(Choose 1 answer)

A web application is located in "helloapp" directory. Which directory should its deployment descriptor be in?

- A. helloapp
- B. helloapp/WEB-INF
- C. helloapp/WEBJNF
- D. helloapp/WEBINF

c

(Choose 1 answer)

A developer is working on a project that includes both EJB 2.1 and EJB 3.0 session beans. A lot of business logic has been implemented and tested in these EJB 2.1 session beans. Some EJB 3.0 session beans need to access this business logic.

Which design approach can achieve this requirement?

- A. Add adapted home interfaces to EJB 3.0 session beans to make EJB 3.0 and EJB 2.1 session beans interoperable.
- B. Add EJB 3.0 business interfaces to existing EJB 2.1 session beans and inject references to these business interfaces into EJB 3.0 session beans.
- C. No need to modify existing EJB 2.1 session beans. Use the @EJB annotation to inject a reference to the EJB 2.1 home interface into the EJB 3.0 bean class.

c

(Choose 1 answer)

Which statement is true about EJB 3.0 containers?

- A. The Java 2D API is guaranteed to be available for session beans
- B. Java Telephony API is guaranteed to be available for session and message beans
- C. javax.naming.initialContext is guaranteed to provide a JNDI name space

a

(Choose 1 answer)

The Java Persistent API defines the Query interface. Which statement is true about the Query.executeUpdate method ?

A. It must always be executed within a transaction

B. All managed entity objects corresponding to database rows affected by the update will have their state changed to correspond with the update

C. It throws a PersistenceException if no entities were updated.

b

(Choose 1 answer)

If you want to send an entity object as the pass by value through a remote interface, which of the following statements are valid? (Choose one)

A. public class Employees implements Serializable{
...
}

B. @Entity
public class Employees implements Serializable{
...
}

C. @entity
public class Employees implements Serializable{
...
}

D. @Entity
public class Employees implements SessionSynchronization{
...
}

c	<p>(Choose 1 answer)</p> <p>Which of the following lines of code, in the doPost() method of a servlet, uses the RL rewriting approach to maintaining sessions? (Choose one)</p> <p>A. request.useURLRewriting();</p> <p>B. out.println(response.rewrite("Click here"));</p> <p>C. out.println("Click here"));</p> <p>D. out.println("Click here"));</p>
a	<p>(Choose 1 answer)</p> <p>Which syntax is correct for JSP Scriptlets?</p> <p>A. <% code%></p> <p>B. <%= code%></p> <p>C. <%! code %></p>
d	<p>(Choose 1 answer)</p> <p>Which is correct JDBC-ODBC driver name?</p> <p>a) jdbc.odbc.sun.JdbcOdbcDriver</p> <p>b) sun.driver.jdbc.odbc</p> <p>c) jdbc.odbc.sun.driver</p> <p>d) sun.jdbc.odbc.JdbcOdbcDriver</p>
ade	<p>Select at (least one) answer</p> <p>Choose three correct statements in JDBC</p> <p>a) getObject</p> <p>b) getLine</p> <p>c) getText</p> <p>d) getInt</p> <p>e) getString</p>

c	<p>Which is correct sequence for a JDBC execution? (Choose 1 answer)</p> <p>a) Connection -> Load Driver -> Statement -> ResultSet b) Load Driver -> Statement -> ResultSet -> Connection c) Load Driver -> Connection -> Statement -> ResultSet d) Statement -> Connection -> ResultSet -> Load Driver</p>
ad	<p>Which are the correct statements of Connection object? (Choose two)</p> <p>a) createStatement(int, int); b) createStatement(int, String); c) createStatement(String, int); d) createStatement();</p>
bcd	<p>Which are the correct statements of ResultSet object? (Choose three)</p> <p>a) executeQueries() b) executeBatch() c) execute() d) executeUpdate()</p>
c	<p>To send text output in a response, the following method of HttpServletResponse may be used to get the appropriate Writer/Stream object. Select the one correct answer.</p> <p>a) getOutputStream b) getBinaryStream c) getWriter d) getStream</p>
c	<p>Which of these is true about deployment descriptors. Select the one correct answer</p> <p>a) The servlet-mapping element, if defined, must be included within the servlet element. b) The web-app element must include the servlet element c) The order of elements in deployment descriptor is important. The elements must follow a specific order d) The elements of deployment descriptor are case insensitive</p>
d	<p>The exception-type element specifies an exception type and is used to handle exceptions generated from a servlet. Which element of the deployment descriptor includes the exception-type as a sub-element. Do not include the element in enclosing parenthesis</p> <p>a) error b) exception c) exception-page d) error-page</p>

a	<p>_____ is a set of java API for executing SQL statements.</p> <p>a) JDBC b) JAVADB c) ODBC d) None of the other choices</p>
b	<p>JDBC supports _____ and _____ models. choose one answer</p> <p>a) Three-tier and four-tier b) Two-tier and three-tier c) None of the other choices d) Single-tier and two-tier</p>
b	<p>URL referring to databases use the form: (Choose one answer)</p> <p>a) protocol:subprotocol:datasoursename b) jdbc:odbc:datasoursename c) protocol:datasoursename d) jdbc:datasoursename</p>
c	<p>Study the statements: 1)When a JDBC connection is created, it is in auto-commit mode 2)Once auto-commit mode is disabled, no SQL statements will be committed until you call the method commit explicitly (Choose one answer)</p> <p>a) Only statement 2 is true b) Both 1 and 2 are not true c) Both 1 and 2 are true d) Only statement 1 is true</p>
c	<p>The _____ class is the primary class that has the driver information. Select the one correct answer.</p> <p>a) None of the other choices b) Driver c) DriverManager d) ODBCDriver</p>
b	<p>1. The method getWriter returns an object of type PrintWriter. This class has println methods to generate output. Which of these classes define the getWriter method? Select the one correct answer.</p> <p>A. HttpServletRequest B. HttpServletResponse C. ServletConfig D. ServletContext</p>

c	<p>2. Name the method defined in the HttpServletResponse class that may be used to set the content type. Select the one correct answer.</p> <p>A. setType B. setContent C. setContentType D. setResponseContentType</p>
d	<p>3. Which of the following statement is correct. Select the one correct answer.</p> <p>A. The response from the dedicated server to a HEAD request consists of status line, content type and the document. B. The response from the server to a GET request does not contain a document. C. The setStatus method defined in the HttpServletRequest class takes an int as an argument and sets the status of Http response D. The HttpServletResponse defines constants like SC_NOT_FOUND that may be used as a parameter to setStatus method.</p>
c	<p>4. The sendError method defined in the HttpServlet class is equivalent to invoking the setStatus method with the following parameter. Select the one correct answer.</p> <p>A. SC_OK B. SC_MOVED_TEMPORARILY C. SC_NOT_FOUND D. SC_INTERNAL_SERVER_ERROR E. ESC_BAD_REQUEST</p>
b	<p>To send binary output in a response, the following method of HttpServletResponse may be used to get the appropriate Writer/Stream object. Select the one correct answer.</p> <p>A. getStream B. getOutputStream C. getBinaryStream D. getWriter</p>
d	<p>To send text output in a response, the following method of HttpServletResponse may be used to get the appropriate Writer/Stream object. Select the one correct answer.</p> <p>A. getStream B. getOutputStream C. getBinaryStream D. getWriter</p>

a	<p>Is the following statement true or false. URL rewriting may be used when a browser is disabled. In URL encoding the session id is included as part of the URL.</p> <p>a. True b. False</p>
ac	<p>Which of the following are correct statements? Select the two correct answers.</p> <p>A. The getRequestDispatcher method of ServletContext class takes the full path of the servlet, whereas the getRequestDispatcher method of HttpServletRequest class takes the path of the servlet relative to the ServletContext.</p> <p>B. The include method defined in the RequestDispatcher class can be used to access one servlet from another. But it can be invoked only if no output has been sent to the server.</p> <p>C. The getRequestDispatcher(String URL) is defined in both ServletContext and HttpServletRequest method</p> <p>D. The getNamedDispatcher(String) defined in HttpServletRequest class takes the name of the servlet and returns an object of RequestDispatcher class.</p>
a	<p>A user types the URL <code>http://www.javaprep.com/scwd/index.html</code> . Which HTTP request gets generated. Select the one correct answer.</p> <p>A. GET method B. POST method C. HEAD method D. PUT method</p>
d	<p>When using HTML forms which of the following is true for POST method? Select the one correct answer.</p> <p>A. POST allows users to bookmark URLs with parameters.</p> <p>B. The POST method should not be used when large amount of data needs to be transferred.</p> <p>C. POST allows secure data transmission over the http method.</p> <p>D. POST method sends data in the body of the request.</p>
a	<p>. Which HTTP method gets invoked when a user clicks on a link? Select the one correct answer.</p> <p>A. GET method B. POST method C. HEAD method D. PUT method</p>

b	<p>Which of the following is not a valid HTTP/1.1 method. Select the one correct answer.</p> <p>A. CONNECT method</p> <p>B. COMPARE method</p> <p>C. OPTIONS method</p> <p>D. TRACE method</p>
b	<p>Name the http method used to send resources to the server. Select the one correct answer.</p> <p>A. FTP methodd</p> <p>B. PUT method</p> <p>C. WRITE method</p> <p>D. COPY method</p>
B	<p>. Name the http method that sends the same response as the request. Select the one correct answer.</p> <p>A. DEBUG method</p> <p>B. TRACE method</p> <p>C. OPTIONS method</p> <p>D. HEAD method</p>
c	<p>Which three digit error codes represent an error in request from client? Select the one correct answer.</p> <p>A. Codes starting from 200</p> <p>B. Codes starting from 300</p> <p>C. Codes starting from 400</p> <p>D. Codes starting from 500</p>
c	<p>Name the location of compiled class files within a war file? Select the one correct answer.</p> <p>A. /META-INF/classes</p> <p>B. /classes</p> <p>C. /WEB-INF/classes</p> <p>D. /root/classes</p>
d	<p>Which of the following is legal JSP syntax to print the value of i. Select the one correct answer</p> <p>A. <%int i = 1;%></p> <p><%= i; %></p> <p>B. <%int i = 1;</p> <p>i; %></p> <p>C. <%int i = 1%></p> <p><%= i %></p> <p>D. <%int i = 1;%></p> <p><%= i %></p> <p>E. <%int i = 1%></p>

e	<p>Which of the following correctly represents the following JSP statement. Select the one correct answer.</p> <pre><%x=l;%></pre> <p>A. <code><jsp:expression x=l;/></code> B. <code><jsp:expression>x=l;</jsp:expression></code> C. <code><jsp:statement>x=l;</jsp:statement></code> D. <code><jsp:declaration>x=l;</jsp:declaration></code> E. <code><jsp:scriptlet>x=l;</jsp:scriptlet></code></p>
d	<p>Which of the following are correct. Select the one correct answer.</p> <p>A. JSP scriptlets and declarations result in code that is inserted inside the <code>_jspService</code> method.</p> <p>B. The JSP statement <code><%! int x; %></code> is equivalent to the statement <code><jsp:scriptlet>int x;</jsp:scriptlet%></code>.</p> <p>C. The following are some of the predefined variables that maybe used in JSP expression - <code>httpSession</code>, <code>context</code>.</p> <p>D. To use the character <code>%></code> inside a scriptlet, you may use <code>%\></code> instead.</p>
c	<p>What gets printed when the following is compiled. Select the one correct answer.</p> <pre><% int y = 0; %> <% int z = 0; %> <% for(int x = 0; x < 3; x++) { %> <% z++; ++y;%> <% }%> <% if(z < y) {%> <%= z%> <% } else {%> <%= z - 1%> <% }%></pre> <p>A. 0 B. 1 C. 2 D. 3 E. The program generates compilation error.</p>
e	<p>Which of the following JSP variables are not available within a JSP expression. Select the one correct answer.</p> <p>A. <code>out</code> B. <code>session</code> C. <code>request</code> D. <code>response</code> E. <code>httpsession</code> F. <code>page</code></p>

d	<p>A bean with a property color is loaded using the following statement <code><jsp:usebean id="fruit" class="Fruit"/></code></p> <p>Which of the following statements may be used to print the value of color property of the bean. Select the one correct answer.</p> <p>A. <code><jsp:getColor bean="fruit"/></code> B. <code><jsp:getProperty id="fruit" property="color"/></code> C. <code><jsp:getProperty bean="fruit" property="color"/></code> D. <code><jsp:getProperty name="fruit" property="color"/></code> E. <code><jsp:getProperty class="Fruit" property="color"/></code></p>
c	<p>A bean with a property color is loaded using the following statement <code><jsp:usebean id="fruit" class="Fruit"/></code></p> <p>What happens when the following statement is executed. Select the one correct answer.</p> <p><code><jsp:setProperty name="fruit" property="*/></code></p> <p>A. This is incorrect syntax of <code><jsp:setProperty/></code> and will generate a compilation error. Either value or param must be defined. B. All the properties of the fruit bean are initialized to a value of null. C. All the properties of the fruit bean are assigned the values of input parameters of the JSP page that have the same name. D. All the properties of the fruit bean are initialized to a value of *.</p>
bc	<p>Which of the following represents a correct syntax for usebean. Select the two correct answers.</p> <p>A. <code><jsp:usebean id="fruit" scope ="page"/></code> B. <code><jsp:usebean id="fruit" type ="String"/></code> C. <code><jsp:usebean id="fruit" type ="String" beanName="Fruit"/></code> D. <code><jsp:usebean id="fruit" class="Fruit" beanName="Fruit"/></code></p>
ad	<p>Which of the following statements are true for <code><jsp:usebean></code>. Select the two correct answers.</p> <p>A. The id attribute must be defined for <code><jsp:usebean></code>. B. The scope attribute must be defined for <code><jsp:usebean></code>. C. The class attribute must be defined for <code><jsp:usebean></code>. D. The <code><jsp:usebean></code> must include either type or class attribute or both.</p>
cd	<p>Which of these are legal attributes of page directive. Select the two correct answers.</p> <p>A. include B. scope C. errorPage D. session E. debug</p>

c	<p>Which of the following represents the XML equivalent of this statement <%@ include file="a.jsp"%> . Select the one correct statement</p> <p>A. <jsp:include file="a.jsp"/> B. <jsp:include page="a.jsp"/> C. <jsp:directive.include file="a.jsp"/> D. There is no XML equivalent of include directive.</p>
b	<p>Assume that you need to write a JSP page that adds numbers from one to ten, and then print the output.</p> <pre><% int sum = 0; for(j = 0; j < 10; j++) { %> // XXX --- Add j to sum <% } %> // YYY --- Display ths sum</pre> <p>Which statement when placed at the location XXX can be used to compute the sum. Select the one correct statement</p> <p>A. <% sum = sum + j %> B. <% sum = sum + j; %> C. <%= sum = sum + j %> D. <%= sum = sum + j; %></p>
c	<p>Now consider the same JSP example as last question. What must be added at the location YYY to print the sum of ten numbers. Select the one correct statement</p> <p>A. <% sum %> B. <% sum; %> C. <%= sum %> D. <%= sum; %></p>
d	<p>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?</p> <p>A. HttpRequest B. ServletRequest C. Request D. HttpServletRequest</p>
a	<p>JSP pages have access to implicit objects that are exposed automatically. Name the implicit object that is of type HttpSession.</p> <p>A. session B. application C. httpSession D. httpsession</p>

d	<p>A Java bean with a property color is loaded using the following statement</p> <pre><jsp:usebean id="fruit" class="Fruit"/></pre> <p>What is the effect of the following statement.</p> <pre><jsp:setproperty name="fruit" property="color"/></pre> <p>Select the one correct answer.</p> <p>A. An error gets generated because the value attribute of setAttribute is not defined.</p> <p>B. The color attribute is assigned a value null.</p> <p>C. The color attribute is assigned a value "".</p> <p>D. If there is a non-null request parameter with name color, then its value gets assigned to color property of Java Bean fruit</p>
bc	<p>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 two correct statement</p> <p>A. <% page info="test page" %></p> <p>B. <%@ page info="test page" session="false"%></p> <p>C. <%@ page session="true" %></p> <p>D. <%@ page isErrorPage="errorPage.jsp" %></p> <p>E. <%@ page isThreadSafe=true %></p>
b	<p>Is the following JSP code legal? Select the one correct statement.</p> <pre><%@page info="test page" session="false"%></pre> <pre><%@page session="false"%></pre> <p>A. Yes. This is legal JSP syntax.</p> <p>B. No. This code will generate syntax errors</p>
a	<p>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.</p> <p>A. contentType</p> <p>B. generateXML</p> <p>C. type</p> <p>D. outputXML</p>
b	<p>A JSP page uses the java.util.ArrayList class many times. Instead of referring the class by its complete package name each time, we want to just use ArrayList. Which attribute of page directive must be specified to achieve this. Select the one correct answer.</p> <p>A. extends</p> <p>B. import</p> <p>C. include</p> <p>D. package</p> <p>E. classpath</p>

ac	<p>Which of these are true. Select the two correct answers.</p> <p>A. The default value of isThreadSafe attribute of page directive is true.</p> <p>B. If isThreadSafe attribute of page directive is set to true, then JSP container dispatches request for the page sequentially.</p> <p>C. When isThreadSafe attribute of page directive is set to true, a thread is created for each request for the page.</p> <p>D. Setting isThreadSafe attribute to true for JSP pages, can lead to poor performance.</p>
af	<p>Which of the following are examples of JSP directive. Select the two correct answers.</p> <p>A. include</p> <p>B. exclude</p> <p>C. import</p> <p>D. taglibrary</p> <p>E. servlet</p> <p>F. page</p>
d	<p>Which of these is true about include directive. Select the one correct answer.</p> <p>A. The included file must have jspf extension.</p> <p>B. The XML syntax of include directive in <jsp:include file="fileName"/> .</p> <p>C. The content of file included using include directive, cannot refer to variables local to the original page.</p> <p>D. When using the include directive, the JSP container treats the file to be included as if it was part of the original file.</p>
ad	<p>Message-driven beans are classes that implement 2 interfaces :</p> <p>Choose two answer</p> <p>[A] javax.ejb.MessageDrivenBean</p> <p>[B] javax.jms.Message</p> <p>[C] javax.jms.MessageBean</p> <p>[D] javax.jms.MessageListener</p>
ab	<p>Which are the types of messaging domains ? (choose 2)</p> <p>[A] Publish/Subscribe</p> <p>[B] Point-to-Point</p> <p>[C] Peer-to-Peer</p> <p>[D] Request/Response</p>

d	<p>Select the correct JMS programming model</p> <p>[A] Locate the JMS Driver -> Create a JMS connection -> Create a JMS session -> Locate the JMS destination -> Create a JMS producer or a JMS consumer -> Send or receive message</p> <p>[B] Locate the JMS Driver ->Create a JMS session ->Create a JMS connection ->Locate the JMS destination ->Create a JMS producer or a JMS consumer -> Send or receive message</p> <p>[C] Locate the JMS Driver ->Create a JMS connection -> Locate the JMS destination ->Create a JMS producer or a JMS consumer -> Send or receive message</p> <p>[D] Locate the JMS Driver ->Create a JMS connection ->Create a JMS session ->Create a JMS producer or a JMS consumer -> Send or receive message</p>
a	<p>Select the word to replace ??? to make the diagram about messaging domain correct</p> <p>[A] Topic</p> <p>[B] Queue</p> <p>[C] PTP</p> <p>[D] Pub/Sub//</p>
d	<p>A ___ subscription to a topic means that a JMS subscriber receives all message even if the subscriber is inactive</p> <p>[A] temporary</p> <p>[B] nondurable</p> <p>[C] persistent</p> <p>[D] Durable</p>

a	<p>In ejb-jar.xml file, <persistence-type> element value is _____</p> <p>[A] Bean or Container</p> <p>[B] Container-Managed-Persistent</p> <p>[C] Bean-Managed-Persistent</p> <p>[D] BMP or CMP</p>
a	<p>Entity bean is ____</p> <p>[A] a persistent data component</p> <p>[B] a database object</p> <p>[C] an application logic component</p> <p>[D] an object-relational mapping</p>
d	<p>ejbCreate() method of entity bean class returns ____</p> <p>[A] remote object</p> <p>[B] null</p> <p>[C] home object</p> <p>[D] primary key</p>
a	<p>create() method of entity home interface returns _____</p> <p>[A] null</p> <p>[B] remote object</p> <p>[C] primary key</p> <p>[D] home object</p>

ac	<p>select CORRECT statement (choose 2)</p> <p>[A] Entity beans represent persistent state objects (things that don't go away when user goes away)</p> <p>[B] Session beans represent persistent state objects (things that don't go away when user goes away)</p> <p>[C] Session beans model a process or workflow (actions that are started by the user and that do away when user goes away)</p> <p>[D] Entity beans model a process or workflow (action that are started by the user and that go way when user goes away)</p>
c	<p>The ____ class makes every entity bean different</p> <p>[A] bean key</p> <p>[B] bean ID</p> <p>[C] primary key</p> <p>[D] key</p>
acd	<p>The top three values of EJB are (choose 3):</p> <p>[A] Portability is easier</p> <p>[B] Distributed application</p> <p>[C] Rapid Application Development</p> <p>[D] It is agreed upon by the industry</p> <p>[E] Easy to upgrade</p>
a	<p>Which is not the players in the EJB Ecosystem? (choose 1):</p> <p>[A] End User</p> <p>[B] EJB Deployer</p> <p>[C] System Administrator</p> <p>[D] Application Assembler</p> <p>[E] Bean provider</p>

a	<p>The ____ is the overall application architect .This party is responsible for understanding how various components fit together and writes the application that combine components.</p> <p>[A] Application Assembler</p> <p>[B] Application Builder</p> <p>[C] Deployer</p> <p>[D] Developer</p>
c	<p>which is not the role of EJB Deployer?</p> <p>[A] Securing the deployment with a firewall</p> <p>[B] Performance-tuning the system</p> <p>[C] Write the code that calls on components supplied by bean providers</p> <p>[D] Choosing hardware that provides the required level of performance</p>
abe	<p>Which are EJB containers ? (choose three)</p> <p>[A] JBoss</p> <p>[B] BEA's WebLogic</p> <p>[C] Microsoft Application Server</p> <p>[D] Apache Tomcat 5.5</p> <p>[E] IBM WebSphere</p>
d	<p>The ____ supplies business components,or enterprise beans</p> <p>[A] Tool vendor</p> <p>[B] Application assembler</p> <p>[C] Deployer</p> <p>[D] Bean provider</p>

Given the following JSP and Tag handler code, what is the result of accessing the JSP ?

JSP Page Source

```
<html>
<body>
<%@taglib uri = "test_taglib" prefix = "myTag"%>
<% session.setAttribute("first", "first");%>
<myTag:TestTag/>
<br>
<%=session.getAttribute("second")%>
</body>
</html>
```

Tag Handler Code for <myTag:TestTag/>

```
package examples;
import java.io.*;
import javax.servlet.jsp.*;
import javax.servlet.jsp.tagext.*;

public class TestTag extends TagSupport
{
    private PageContext pageContext;

    public void setPage(PageContext page){
        this.pageContext=page;
    }

    public int doStartTag() throws JspException {
        try{
            String first = pageContext.getSession().getAttribute("first").toString();
            pageContext.getOut().write(first);
            pageContext.setAttribute("second", "second",
                PageContext.PAGE_SCOPE);
        }
        catch(IOException)
        {
            throw new JspException(i.getMessage());
        }
        return SKIP_BODY;
    }

    public int doEndTag() throws JspException{
        return EVAL_PAGE;
    }

    public void release(){}
}
```

b

	<div><div></div><div><div>[A]</div><div>second</div><div>first</div><div>[B]</div><div>first</div><div>second</div><div>[C]</div><div>first</div><div>null</div><div>[D]</div><div>second</div><div>null</div></div></div>
ae	<div><div></div><div><div>Which of these are legal return types of the doEndTag method defined in a class that extends TagSupport class. SELECT the two correct answers.</div><div>[A]</div><div>EVAL_PAGE</div><div>[B]</div><div>EVAL_BODY</div><div>[C]</div><div>EVAL_PAGE_INCLUDE</div><div>[D]</div><div>EVAL_BODY_INCLUDE</div><div>[E]</div><div>SKIP_PAGE</div><div>[F]</div><div>SKIP_BODY</div></div></div>
d	<div><div></div><div><div>A JSP file that uses a tag library must declare the tag library first. The tag library is defined using the taglib directive <%@taglib uri = "..." prefix="..."%> Which of the following specifies the correct purpose of prefix attribute.SELECT the one correct answer.</div><div>[A]</div><div>The prefix defines the name of the tag that may be used for a tag library.</div><div>[B]</div><div>The prefix attribute defines the location of the tag library descriptor file</div><div>[C]</div><div>The prefix attribute should refer to the short name attribute of the tag library file that is defined by the uri attribute of taglib directive</div><div>[D]</div><div>The prefix attribute is used in front of a tagname of a tag defined within the tag library</div></div></div>

d

___ sends a request to an object and includes the result in a JSP file.

[A]

include directive

[B]

import directive

[C]

<jsp:forward>

[D]

<jsp:include>

a

A programmer is designing a class to encapsulate the information about an inventory item. A JavaBeans component is need to do this. The InventoryItem has private instance variables to store the item information:

10.private int itemId;

11.private String name;

12.private String description;

Which method signature follows the JavaBeans naming standards for modifying the itemId instance variable? (choose one)

[A]

setItemId(int itemId)

[B]

updateItemID(int itemId)

[C]

itemID(int itemId)

[D]

update(int itemId)

[E]

mutateItemId(int itemId)

a

Name the class that includes the SetSession method that is used to get the HttpSession object

[A]

HttpSevletRequest

[B]

HttpSevletResponse

[C]

SessionContext

[D]

SessionConfig

bc	<p>Which of the following are potential legal of JSP source ? (choose 2)</p> <p>[A] <code><jsp:useBean id = "beanName1" class="a.b.MyBean"type="a.b.Myinterface"/></code></p> <p>[B] <code><% String myValue = "myValue";%> <jsp:setProperty name = "beanName1" property="soleProp" value = " <%=myValue%"/></code></p> <p>[C] <code><%String className = "a.b.MyBean";%> <jsp:useBean id = "beanName2" class="<%=className"/></code></p> <p>[D] <code><%String propName = "soleProp"; %> <jsp:getProperty name = "beanName1" property="<%=propName>" /></code></p> <p>[E] <code><%String beanName = "beanName3"; %> <jsp:useBean id = "<%=beanName3%>" class="a.b.MyBean" /></code></p>
a	<p>Given that a servlet has been mapped to /account/*. Identity the HttpServletRequest methods that will return the/myapp segementforthe URI: /myapp/account/*.</p> <p>A. getPathInfo B. getServletPath C. getContextPath</p>
d	<p>Identify the method used to get an object available in a session. (Choose one)</p> <p>A. get of Session B. getValue of HttpSession C. getAttribute of Session D. getAttribute of HttpSession</p>
e	<p>Which jsp tag can be used to set bean property?</p> <p>A. jsp:property B. jsp:useBean.setProperty C. jsp:useBean D. jsp:useBean.property E. jsp:setProperty</p>

a	<p>What is the consequence of attempting to access the following JSP page?</p> <pre><html> <body> <%! public void JspService(HttpServletRequest request HttpServletResponse response) { outwrite("A"); } %> <% outwritef("B"): %> </body> </html></pre> <p>A. Duplicate method compilation error. B. "A" is output to the response before "B". C. "A" is output to the response. D. "B" is output to the response.</p>
C	<p>Which of the following statement is correct?</p> <p>A. Data Integrity means that the data cannot be viewed by anybody other than it's intended recipient B. Authentication means determining whether one has access to a particular resource or not C. Data Integrity means that the data is not modified in transit between the sender and the receiver.</p>
d	<p>____ includes a static file in a JSP file, parsing the file's JSP elements</p> <p>A. <jsp:forward> B. <jsp:useBean> C. import directive D. include directive E. <jsp:include></p>
d	<p>Study the statements:</p> <p>1) The special directory/WEB-INF/lib contains Java class files—servlets and supporting code. 2) The special directory /WEB-INF/classes contains JAR files with supporting libraries of code.</p> <p>A. Only statement 1 is true B. Only statement 2 is true C. Both 1 and 2 are true D. Both 1 and 2 are not true</p>

b

Which statements are BEST describe class attribute of `<jsp:useBean class=... />` Action?

- A. The name of a bean that can be used with method `instantiate` of class `java.beans.Beans` to load a `JavaBean` into memory.
- B. The fully qualified class name of the `Java` object
- C. The name used to manipulate the `Java` object with actions `<jsp:setProperty>` and `<jsp:getProperty>`. A variable of this name is also declared for use in JSP scripting elements. The name specified here is also
- D. The type of the `JavaBean`. This can be the same type as the class attribute, a superclass of that type or an interface implemented by that type. The default value is the same as for attribute `class`.

c

Which are the correct lines of code to get information in the following `<context-param>` tag in the `web.xml` file

Assume that `response` and `request` refer to `HttpServletResponse` and `HttpServletRequest` respectively.

- A. `response.getParameter('machineName');`
- B. `request.getParameter(machineName');`
- C. `ServletContext sc = getServletContext();`
`String serverName = sc.getInitParameter("machineName");`
- D. `ServletConfig sc = getServletConfig();`
`String serverName = sc.getInitParameter("machineName");`

```
-----
<web-app>
<context-param>
<param-name>machineName</param-name>
<param-value>cms-server</param-value>
</context-param>
</web-app>
```

b

Consider the following java code:

```
//in file Book.java package com.bookstore; public class Book {
private long isbn;
public Book() { isbn = 0; }
public long getIsbn() { return isbn; }
public void setIsbn(long value) { this.isbn = value; }
}
```

Code for `browse.jsp`:

```
<jsp:useBean class="com.bookstore.Book" id="newbook"/>
```

```
LINE 1: <jsp:setProperty name="newbook" property="isbn" value="1000"/>
```

Which of the following statements are correct?

- A. The `isbn` property of new book will be set to 1000 if `<jsp:setProperty>` tag is given as: `value=1000`
- B. The `isbn` property of newbook will be set to 1000.
- C. It will not compile.

D	<p>Identify the technique that can be used to implement 'sessions' if the client browser does not support cookies.(Choose one)</p> <p>A. It cannot be done without cookie support</p> <p>B. Using Http headers.</p> <p>C. URL Writing</p> <p>D. Hidden form fields.</p>
C	<p>You have to send a pdf file to the client as a response to a request Which of the following calls will you have to make? (Choose one)</p> <p>A. response.setType("application/pdf");</p> <p>B. response.setContentType("image/pdf");</p> <p>C. response.setContentType("application/pdf");</p> <p>D. response.setType("image/pdf");</p>
c	<p>A JSP___lets you define methods or fields that get inserted into the main body of the servlet class (outside of the JspService method that is called by service to process the request).</p> <p>A. expression</p> <p>B. scriptlet</p> <p>c. declaration</p>
d	<p>Which is NOT a correct statement about entity beans?</p> <p>A. They are used to share data among clients</p> <p>B. They are used to store persistent data</p> <p>C. They are used to represent data stored in a RDBMS</p> <p>D. They are used to implement business processes</p>
d	<p>A Java developer needs to be able to send email, containing XML attachments, using SMTP. Which JEE (J2EE) technology provides this capability?</p> <p>A. Servlet</p> <p>B. JSP</p> <p>C. EJB</p> <p>D. JavaMail</p>
c	<p>Consider the HTML code below. Which of the following method calls can retrieve the "email" value sent from the browser? (Choose one)</p> <p>A. getFormValue("email") of HttpServletRequest</p> <p>B. getField(email") of HttpServletRequest</p> <p>C. getParameter("email") ofServletRequest</p> <p>D. getParameters("email") of HttpServlet</p>

a	<p>Which of the following methods can be used to add cookies to a servlet response?</p> <p>A. HttpServletResponse.addCookie(Cookie cookie)</p> <p>B. ServletResponse.addCookie(Cookie cookie)</p> <p>C. ServletResponse.addCookie(String contents)</p> <p>D. HttpServletResponse.addCookie(String contents)</p> <p>E. ServletResponse.addHeader(String name, String value)</p>
d	<p>Your web application named "FWorks" uses SpecialMath.class. This is an unbundled class and is not contained in any jar file. Where will you keep this class file?</p> <p>A. FWorks/classes</p> <p>B. FWorks/WEB-INF/lib/classes</p> <p>C. FWorks/WEB-INF</p> <p>D. FWorks/WEB-INF/classes</p>
d	<p>Which is NOT a core component of JSP?</p> <p>A. actions</p> <p>B. name of a jsp file</p> <p>C. tag libraries</p> <p>D. scriptlets</p> <p>E. directives</p>
c	<p>A parameter is defined in a <context-param> element of the deployment descriptor for a web application. Which of the following statements is correct?</p> <p>A. It is accessible only to the servlet it is defined for.</p> <p>B. It is accessible to all the servlets of all the webapps of the container.</p> <p>C. It is accessible to all the servlets of the webapp.</p>
d	<p>Identify the parent element of <session-timeout> element in web.xml</p> <p>A. <session-configuration></p> <p>B. <webapp></p> <p>C. <session_config></p> <p>D. <session-config></p>
d	<p>Which of the following are correct JSP expressions?</p> <p>A. <%= out.println("hello"); %></p> <p>B. <% "Hello World"; %></p> <p>C. <%= "Hello World"; %></p> <p>D. <%= new Date() %></p>

a	<p>What would be the best directory in which to store a supporting JAR file for a web application? Note that in the list below, all directories begin from the context root</p> <p>A. \WEB-INF\lib B. \jars C. \WEB-INF D. \WEB-INF\classes</p>
b	<p>Which security mechanism proves that data has not been tampered with during its transit through the network?</p> <p>A. Packet sniffing B. Data integrity C. Data validation D. Authentication E. Data privacy F. Authorization</p>
d	<p>A JSP page has the following page directives:</p> <pre><%@page isErrorPage='false' %> <%@page errorPage='/jsp/myerror.jsp' %></pre> <p>Which of the following implicit object is NOT available to the jsp page?</p> <p>A. session B. response C. application D. exception</p>
c	<p>Which statements are BEST describe uri attribute of <%@ taglib uri=_%>directive of JSP file?</p> <p>A. The scripting language used in the JSP. Currently, the only valid value for this attribute is java. B. Allows programmers to include their own new tags in the form of tag libraries. These libraries can be used to encapsulate functionality and simplify the coding of a JSP. C. Specifies the relative or absolute URI of the tag library descriptor. D. Specifies the required prefix that distinguishes custom tags from built-in tags. The prefix names jsp, jsp, java, javax, servlet sun and sunw are reserved.</p>
a	<p>Which is NOT a standard technique for a session be definitely invalidated?</p> <p>A. If the session time out is set to 0 using setMaxInactiveInterval() method. B. No request comes from the client for more than "session timeout" period. C. A servlet explicitly calls invalidateO on a session object D. The container is shutdown and brought up again.</p>

b	<p>Which of the following task may happen in the translation phase of JSP page? (Choose one)</p> <ul style="list-style-type: none">A. Instantiation of the servlet class.B. Creation of the servlet class corresponding to the JSP file.C. None of the othersD. Execution of JspServiceQ method.
b	<p>How can you ensure the continuity of the session while using <code>HttpServletResponse.sendRedirect()</code> method when cookies are not supported by the client?</p> <ul style="list-style-type: none">A. By using <code>HttpServletRequest.encodeURL()</code> method.B. By encoding the redirect path with <code>HttpServletResponse.encodeRedirectURL()</code> method.C. By using hidden parameters.
c	<p>Which of the following is a sensible way of sending an error page to the client in case of a business exception that extends from <code>java.lang.Exception</code>? (Choose one)</p> <ul style="list-style-type: none">A. Don't do anything, the servlet container will automatically send a default error page.B. Don't catch the exception and define the 'exception to error-page' mapping in <code>web.xml</code>C. Catch the exception, wrap it into <code>ServletException</code> and define the 'business exception to error-page' mapping in <code>web.xml</code>
c	<p>What is the output of the following code snippet of a JSP page?</p> <pre><code>\${empty}"
 \${empty"sometext"}</code></pre> <ul style="list-style-type: none">A. falseB. false trueC. true falseD. true
b	<p>Which option can be used to predefine Java Persistence queries for easy use?</p> <ul style="list-style-type: none">A. <code>@NamedNativeQuery</code> annotationB. <code>@NamedQuery</code> annotationC. using the <code>named-native-query</code> element in the XML descriptor
b	<p>Which is NOT associated with the business tier in a JEE (J2EE) web-based application?</p> <ul style="list-style-type: none">A. Entity BeansB. JSPC. Stateless Session Beans

d	<p>Which of the following statements is correct? Select the one correct answer.</p> <p>A. The response from the server to a GET request does not contain a document</p> <p>B. The setStatus method defined in the HttpServletRequest class takes an int as an argument and sets the status of Http response</p> <p>C. The response from the server to a HEAD request consists of status line, content type and the document</p> <p>D. The HttpServletResponse defines constants like SC_NOT_FOUND that may be used as a parameter to setStatus method.</p>
a	<p>Which of the following classes define the methods setStatus(...) and sendError(...) used to send an HTTP error back to the browser? (Choose one)</p> <p>A. Both are defined in HttpServletResponse.</p> <p>B. Both are defined in ServletResponse</p> <p>C. HttpServletResponse and ServletResponse respectively.</p> <p>D. ServletResponse and HttpServletResponse respectively.</p>
a	<p>Identify the correct element is required for a valid <taglib> tag in web.xml (Choose one)</p> <p>A. <taglib-uri></p> <p>B. <uri></p> <p>C. <uri-name></p> <p>D. <uri-location></p> <p>E. <tag-uri></p>
d	<p>(Choose 1 answer)</p> <p>Which of the statements regarding the following code are correct?</p> <pre>public void doPost(HttpServletRequest req, HttpServletResponse res) throws IOException, ServletException { res.getWriter().print("Hello"); RequestDispatcher rd = getServletContext().getRequestDispatcher("/testjsp"); rd.include(req, res); res.getWriter().print("World"); }</pre> <p>A. Only "World" will be a part of the output</p> <p>B. Neither will be a part of the output</p> <p>C. Only "Hello" will be a part of the output</p> <p>D. "Hello" and "World" both will be a part of the output</p>
c	<p>Which technology is used for processing HTTP requests and mapping those requests to business objects</p> <p>A. EJB</p> <p>B. JMS</p> <p>C. JSP</p> <p>D. Servlet</p>

C	<p>10. Which of the given jsp statement is equivalent to <code><% = userbean.getAge() %></code></p> <p>Assume that <code>userbean.getAge()</code> returns an integer. (Choose one)</p> <p>A . <code><jsp:getProperty name = "userbean" property = "Age" /></code> B. <code><jsp:getProperty name = "userbean" method= "getAge" /></code> C. <code><jsp:getProperty name = "userbean" property = "age" /></code> D . <code><jsp:getProperty name = "userbean" property = "getAge" /></code></p>
C	<p>1. Which statements are BEST describe <code>errorPage</code> attribute of <code><%@ page errorPage=. %></code> directive?</p> <p>A. Specifies the MIME type of the data in the response to the client. The default type is <code>text/html</code></p> <p>B. Specifies the class from which the translated JSP will be inherited . This attribute must be a fully qualified package and class name.</p> <p>C. Any exception in the current page that are not caught are sent to the error page for processing . The error page implicit object <code>exception</code> references the original exception.</p> <p>D. Specifies if the current page is an error page that will be inoked in response to an error on another page. If the attribute value is true, the implicit object <code>exception</code> is created and references th...</p>
A	<p>3. Which of these is a correct fragment within the <code>web-app</code> element of deployment descriptor</p> <p>A. <code><error-page> <error-code>404 </error-code> <location></error-page></code> B. <code><error-page> <exception-type> mypackage.MyException</exception-type> <error-code>404 </error-code> <location>/error.jsp</location> </error-page></code> C. <code><error-page> <exception-type> mypackage.MyException</exception-type> <error-code>404 </error-code> <location></error-page></code></p>
B	<p>5. The <code>HttpServletRequest</code> has methods by which you can find out about incoming information such as:</p> <p>A. the client's hostname B. All of the others C. cookies D. HTTP request headers E. form date</p>
D	<p>6. Which of the following classes define the methods <code>setStatus()</code> and <code>sendError()</code> used to send an HTTP error back to the browser?</p> <p>A . Both are defined in <code>ServletRequest</code> B . Both are defined in <code>ServletResponse</code> C . Both are defined in <code>HttpServletRequest</code> D .Both are defined in <code>HttpServletResponse</code></p>

A	<p>7. Host names are translated into IP addresses by web servers.</p> <p>A False</p> <p>B_ True</p>
B	<p>8. Which of the following defines the type of the content that a tag can accept?</p> <p>A. content-type</p> <p>B body-content</p> <p>C content</p> <p>D. tag-content-type</p>
C	<p>12.</p> <p>Identify the parent element of <session-timeout> element in web.xml</p> <p>A <session-configuration></p> <p>B . <session config></p> <p>C. <session-config></p> <p>D . <webapp ></p>
E	<p>14. In which of the following case will the method doStartTag() of a tag handler be invoked?</p> <p>A, If doEndTag() returns EVAL TAG AGAIN</p> <p>B . This method is invoked if doTag() method returns true.</p> <p>C .It will be invoked only If the use of that tag is not enclosed in another custom tag.</p> <p>D. This method is invoked if doTag() method returns DO START</p> <p>E. This method is always invoked whenever the tag's use is encountered in the jsp page.</p>
B	<p>16. Which statements are BEST describe name attribute of <jsp:setProperty name:___ /> action?</p> <p>A The name of the property to set. Specifying " *"for this attribute causes the JSP to match the request parameters to the properties of the bean.</p> <p>B . The ID of the JavaBean for which a property (or properties) will be set.</p> <p>C, If request parameter names do not match bean property names, this attribute can be used to specify which request parameter should be used to obtain the value for a specific bean property</p> <p>D. The value to assign to a bean property The value typically is the result of a JSP expression</p>

C	<p>17. How can you ensure the continuity of the session while using <code>HttpServletResponse.sendRedirect()</code> method when cookies are not supported by the client?</p> <p>A By using hidden parameters. B By using <code>HttpServletRequest.encodeURL()</code> method. C By encoding the redirect path with <code>HttpServletResponse.encodeRedirectURL()</code> method D <code>HttpServletResponse.encodeRedirectURL()</code> method</p>
A	<p>18. Which of the following implicit variables should be used by a jsp page to access a resource and to forward a request to another jsp page? (Choose one)</p> <p>A <code>pageContext</code> and <code>config</code> B <code>config</code> and <code>pageContext</code> C application for both D <code>config</code> for both.</p>
B	<p>19. Which of the following is a properly formatted taglib element occurring in <code>web.xml</code>?</p> <p>A. <code><taglib></code> <code><uri>/graph</tablib-uri></code> <code><location>/WEB-INF/Charts.tld</location></code> <code></tablib></code> B. <code><taglib></code> <code><taglib-uri>/graph</tablib-uri></code> <code><tablib-location>/WEB-INF/Charts.tld</tablib-location></code> <code></tablib></code> C. <code><taglib></code> <code><taglib-name>/graph</taglib-name></code> <code><taglib-location>/WEB-INF/Charts.tld</taglib-location></code> <code></tablib></code></p>
B	<p>21. Your web application logs a user in when she supplies <code>username/password_</code>. At that time a session is created for the user. You want to let the user to be logged in only for 20 r</p> <p>A <code>getLastAccessTime()</code> B <code>getLastAccessedTime()</code> C <code>getMaxInactiveInterval()</code> D <code>getCreationTime()</code></p>

E	<p>22. A bean with a property color is loaded using the following statement <code><jsp:useBean id="fruit"</code></p> <p>Which statement may be used to set the color property of the bean.</p> <p>A <code><jsp:setColor id="fruit" property= "color" value="white"/></code> B <code><jsp:setColor name="fruit" property= "color" value="white"/></code> C <code><jsp:setValue name="fruit" property= "color" value="white"/></code> D <code><jsp:setProperty name="fruit" property= "color" value="white"></code> E <code><jsp:setProperty name="fruit" property= "color" value="white"/></code> F <code><jsp:setProperty id="fruit" property= "color" value="white"></code></p>
C	<p>23. Consider the HTML code below. Which of the following method calls can retrieve the "email" value sent from the browser? (Choose one)</p> <p>A <code>getFormValue("email")</code> of <code>HttpServletRequest</code> B <code>getParameters("email")</code> of <code>HttpServlet</code> C <code>getParameter("email")</code> of <code>ServletRequest</code> D <code>getField("email")</code> of <code>HttpServletRequest</code></p>
A	<p>26. Identify the method used to get an object available in a session. (Choose one)</p> <p>A <code>getAttribute</code> of <code>HttpSession</code> B <code>getValue</code> of <code>HttpSession</code> C <code>get</code> of <code>Session</code> D <code>getAttribute</code> of <code>Session</code></p>
E	<p>27. _____ includes a static file in a JSP file, parsing the file's JSP elements</p> <p>A <code><jsp:forward></code> B. <code><jsp:useBean></code> C <code>import</code> directive D <code><jsp:include></code> E . <code>include</code> directive</p>
C	<p>28. Which of these is legal attribute of page directive?</p> <p>A <code>include</code> B <code>scope</code> C <code>errorPage</code> D <code>debug</code></p>
A	<p>30. Complete the statement: <code><taglib></code> element in the Web application deployment descriptor is used to _____</p> <p>A specify the mapping of the name and the TLD file for a tag library B specify the parameters needed by a tag library C specify a URI identifying a tag library</p>

A	<p>29. Which of the following XML fragments correctly specify the class name for a sennet in a deployment descriptor of a webapp?</p> <p>A <servlet-class> com.abcinc.OrderServlet</servlet-class></p> <p>B <servlet> com.abcinc.OrderServlet</servlet></p> <p>C <class> com.abcinc.OrderServlet</class></p> <p>D <servlet-class> com.abcinc.OrderServlet.class</servlet-class></p>
B	<p>31. When implementing a tag, if the tag does not include the body, then the tag handler class must extend the BodyTagSupport class.</p> <p>Is this statement true or false?</p> <p>A True</p> <p>B_ False</p>
A	<p>33. Browsers typically cache the server's response to a POST request.</p> <p>A False</p> <p>B_ True</p>
B	<p>34. You can set a page to be an error page either through web_xml or by adding a page directive</p> <p>A <%@page errorPage="errorPage.jsp" %></p> <p>B <%@page isErrorPage="true" %></p> <p>B <%@page isErrorPage="false" %></p>
B	<p>36. (Choose 1 answer)</p> <p>Study the statements:</p> <p>1) The context path contains a special directory called WEB-INF which contains the deployment descriptor file, web_xml</p> <p>2) A client application may directly access resources in WEB-INF or its subdirectories through HTTP_</p> <p>A Both 1 and 2 are true</p> <p>B Only statement 1 is true</p> <p>C Only statement 2 is true</p> <p>D Both 1 and 2 are not true</p>
A	<p>37. (Choose 1 answer)</p> <p>The web_xml file for a webapp contains the following XML fragment for configuring session timeout.</p> <pre><session-config> <session-timeout>300</session-timeout> </session-config></pre> <p>What would be the session timeout interval for the sessions created in this web application?</p> <p>A. 300 minutes</p> <p>B_ 300 hours</p> <p>C. 300 milli seconds</p> <p>D. 300 seconds</p>

B	<p>39. JSP ___ let you inserts arbitrary code into servlet's <code>_jspService</code> method (which is called by service)</p> <p>A declarations B scriptlets C expressions</p>
E	<p>47. Which is NOT a scope of implicit objects of JSP file?</p> <p>A. application B session C page D request E response</p>
B	<p>48. A JavaBeans component has the following field. <code>private boolean enabled</code> Which pairs of method declarations follow the JavaBeans standard for accessing this field?</p> <p>A. <code>public boolean setEnabled(boolean enabled)</code> <code>public boolean getEnabled()</code> B. <code>public void setEnabled(boolean enabled)</code> <code>public boolean getEnabled()</code> C. <code>public Boolean setEnabled(boolean enabled)</code> <code>public boolean isEnabled()</code> D. <code>public void setEnabled(boolean enabled)</code> <code>public void isEnabled()</code></p>
B	<p>The deployment descriptor of a web application must have the name <code>web.xml</code>. In the same way the tag library descriptor file must be called <code>taglib.xml</code></p> <p>A. True B. False</p>

C

40. Which are the correct lines of code to get information in the following <context-param> tag,

Assume that response and request refer to HttpServletResponse and HttpServletRequest

```
<web-app>
<context-param>
<param-name>machineName</param-name>
<param-value>cms-server</param-value>
</context-param>
</web-app>
```

- A. request.getParameter("machineName");
- B. ServletConfig sc = getServletConfig();
String serverName = sc.getInitParameter("machineName");
- C. ServletConfig sc = getServletContext();
String serverName = sc.getInitParameter("machineName");
- D. response.getParameter("machineName");

A

```
41. <html>
<body>
<form action="LoginPage.jsp">
Login ID:<input type "text" name="loginID"><br>
Password:<input type "password" name="password"><br>
<input type "submit" value="Login">
<input type "reset" value="Reset">
</form>
</body>
</html>
```

Study the above html code. Assume that user clicks button Reset.

What is the correct statement?

- A. All inputs are cleared.
- B. Nothing changes.

D

43. You need to modify the deployment descriptor for a web application installed in MyWebApp directory. Which file would you look for?

- A. MyWebApp.xml MyWebApp
- B. web.xml in MyWebApp
- C. MyWebApp.xml in MyWebApp/WEB-INF

A

45. Your web application named "FWorks" uses SpecialMath_class. This is an unbundled class and is not contained in any jar file.

Where Will you keep this class file?

- A. FWorks/WEB-INF/classes
- B. FWorks/classes
- C. FWorks/WEB-INF
- D. FWorks/WEB-INF/lib/classes

C

46.

Which of the following are correct JSP expressions?

- A. `<%=out.println("hello");%>`
- B. `<%= "Hello World";%>`
- C. `<%= new Date()%>`
- D. `<%"Hello World";%>`

C

Which jsp tag can be used to set bean property?

- A. `jsp:useBean.setProperty`
- B. `jsp:useBean.property`
- C. `jsp:setProperty`
- D. `jsp:property`
- E. `jsp:useBean`

B

Which are the correct lines of code to get information in the following `<context-param>` tag in the web.xml file?

```
<web-app>
<context-param>
<param-name>machineName</param-name>
<param-value>cms-server</param-value>
</context-param>
</web-app>
```

- A. `request.getParameter("machineName");`
- B. `ServletContext sc = getServletContext();`
`String serverName = sc.getInitParameter("machineName");`
- C. `ServletConfig sc = getServletConfig();`
`String serverName = sc.getInitParameter("machineName");`
- D. `response.getParameter("machineName");`

A	<p>Servlets usually are used on the client side of a networking application.</p> <p>A. False B. True</p>
C	<p>Study the statements:</p> <p>1) Every web application within a web container has a unique context path 2) The context path and any directories you choose to create within it contain resources that are accessible through HTTP</p> <p>A. Only statement 1 is true B. Only statement 2 is true C. Both 1 and 2 are true D. Both 1 and 2 are false</p>
C	<p>What should be the value of <body-content> subelement of element <tag> in a TLD file if the tag should not have any contents as its body?</p> <p>A. null B. false C. empty D. blank</p>
B	<p>Session death is more likely to come about through a time-out mechanism. If there is no activity on a session for a predefined length of time, the web container invalidates the session.</p> <p>A. False B. True</p>
A	<p>What is the output of the following code snippet of a JSP page?</p> <pre><code>\${empty ""}
\${empty "sometext"}</code></pre> <p>A. true false B. false true C. false D. true</p>
A	<p>The <servlet-mapping> element provides a means of defining URLs to use the servlet resources.</p> <p>A. True B. False</p>

B

Which of the following is a properly formatted taglib element occurring in web.xml?

- A. <taglib>
<taglib-name>/graph</taglib-name>
<taglib-location>/WEB-INF/Charts.tld</taglib-location>
</taglib>
- B. <taglib>
<taglib-uri>/graph</taglib-uri>
<taglib-location>/WEB-INF/Charts.tld</taglib-location>
</taglib>
- C. <taglib>
<lib-uri>/graph</lib-uri>
<lib-location>/WEB-INF/Charts.tld</lib-location>
</taglib>
- D. <taglib>
<uri>/graph</uri>
<location>/WEB-INF/Charts.tld</location>
</taglib>

D

What gets printed when the following JSP code is invoked in a browser?

```
<%= 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.

B

A JSP file uses a tag as <myTaglib:myTag>. The myTag element here should be defined in the which element of the taglib element in the tag library descriptor file?

- A. tagname
- B. name
- C. tag
- D. prefix

D

Identify the method used to get an object available in a session.

- A. getValue of Session
- B. getValue of HttpSession
- C. getAttribute of Session

D	<p>Which of these is true about include directive?</p> <p>A. The included file must have jsp extension.</p> <p>B. The XML syntax of include directive in <code><jsp:include file="fileName"/></code></p> <p>C. The content of file included using include directive, cannot refer to variables local to the original page.</p> <p>D. When using the include directive, the JSP container treats the file to be included as if it was part of the original file.</p>
C	<p>A bean present in the page and identified as 'mybean' has a property named 'name'. Which of the following is a correct way to print the value of this property?</p> <p>A. <code><%=jsp.getProperty name="mybean" property="name"%></code></p> <p>B. <code><%out.println(mybean.getName())%></code></p> <p>C. <code><jsp:getProperty name="mybean" property="name"/></code></p> <p>D. <code><%=out.println(mybean.getName())%></code></p>
A	<p>Your jsp page uses <code>java.util.TreeMap</code>. Adding which of the following statement will ensure that this class is available to the page?</p> <p>A. <code><%@ page import="java.util.TreeMap"%></code></p> <p>B. <code><%! import="java.util.TreeMap"%></code></p> <p>C. <code><%@ import="java.util.TreeMap"%></code></p> <p>D. <code><%! page import="java.util.TreeMap"%></code></p>
A	<p>Which directory is legal location for the deployment descriptor file?</p> <p>Note that all paths are shown as from the root of the web application directory</p> <p>A. <code>\WEB-INF</code></p> <p>B. <code>\WEB-INF\xml</code></p> <p>C. <code>\WEB-INF\classes</code></p>

A

Given the following JSP and tag handler code, what is the result of accessing the JSP?

```
<html>
<body>
START
<br>
<%@taglib uri="test_taglib" prefix="myTag"%>
<myTag:TestTag/>
<br>
END
</body>
</html>
```

Tag Handler Code for <myTag:TestTag />

```
package examples;
import javax.servlet.jsp.*;
import javax.servlet.jsp.tagext.*;
public class TestTag extends TagSupport {
    @Override
    public int doStartTag() throws JspException {
        return EVAL_PAGE;
    }

    @Override
    public int doEndTag() throws JspException {
        return SKIP_PAGE;
    }
}
```

Assume *.tld and web.xml files are correct

- A. START
- B. START
- END
- C. END
- START
- D. END

C

Which of the following file is the correct name and location of deployment descriptor of a web application? Assume that the web application is rooted at \doc-root.

- A. \doc-root\dd.xml
- B. \doc-root\web.xml
- C. \doc-root\WEB-INF\web.xml
- D. \doc-root\WEB_INF\dd.xml
- E. \doc-root\WEB-INF\dd.xml
- F. \doc-root\WEB_INF\web.xml

D	<p>A Java bean with a property color is loaded using the following statement</p> <pre><jsp:useBean id="fruit" class="Fruit"/></pre> <p>What is the effect of the following statement.</p> <pre><jsp:setProperty name="fruit" property="color"/></pre> <p>Select one correct answer.</p> <p>A. An error gets generated because the value attribute of setAttribute is not defined</p> <p>B. The color attribute is assigned a value null</p> <p>C. The color attribute is assigned a value ""</p> <p>D. If there is a non-null request parameter with name color, then its value gets assigned to color property of Java Bean fruit</p>
A	<p>Which of the following classes define the methods setStatus(...) and sendError(...) used to send an HTTP error back to the browser?</p> <p>A. Both are defined in HttpServletResponse</p> <p>B. Both are defined in ServletRequest</p> <p>C. Both are defined in ServletResponse</p> <p>D. Both are defined in HttpServletRequest</p>
B	<p>The path in a URL typically specifies a resource's exact location on the server</p> <p>A. False</p> <p>B. True</p>
D	<p>In which of the following cases will the method doEndTag() of a tag handler be invoked?</p> <p>A. It will be invoked only if doStartTag() or doAfterBody() return Tag.DO_END_TAG</p> <p>B. It will be invoked only if doStartTag() and doAfterBody() complete successfully</p> <p>C. This method is invoked if doStartTag() method returns true</p> <p>D. It will be invoked in all case even if doStartTag() or doAfterBody() throw an exception</p>

C	<p>Which statements are BEST describe errorPage attribute of <%@ page errorPage=...%> directive?</p> <p>A. Specifies the MIME type of the data in the response to the client. The default type is text/html.</p> <p>B. Specifies the class from which the translated SP will be inherited. This attribute must be a fully qualified package and class name.</p> <p>C. Any exceptions in the current page that are not caught are sent to the error page for processing. The error page implicit object exception references the original exception.</p> <p>D. Specifies if the current page is an error page that will be invoked in response to an error on another page. If the attribute value is true, the implicit object exception is created and references the original exception that occurred.</p>
C	<p>Which of the following statement is correct?</p> <p>A. Authentication means determining whether one has access to a particular resource or not</p> <p>B. Confidentiality and Authorization are one and the same thing</p> <p>C. Authentication means proving whether one is what one claims to be</p>
D	<p>Which of the following statements are correct about HTTP Basic authentication mechanism?</p> <p>A. HTML FORM is used to capture username and password</p> <p>B. Password is transmitted either in encrypted text or in plain text depending on the browser</p> <p>C. Password is transmitted in an encrypted form</p> <p>D. Password is transmitted as text</p>
B	<p>Select the correct directive statement insert into the first line of following lines of code:</p> <pre>1 Insert code here <html> <head> <title>Test Page</title> </head> <body> Today's Date is <%=new Date()%> </body> </html></pre> <p>A. <%@ package import ='java.util.*' %></p> <p>B. <%@ page import='java.util.*' %></p> <p>C. <%! page import='java.util.*' %></p> <p>D. <%@ import package='java.util.*' %></p>

C	<p>Which statements are BEST describe page attribute of <jsp:include page =...> Action?</p> <p>A. Dynamically includes another resource in a JSP. As the JSP executes, the referenced resource is included and processed</p> <p>B. Forwards request processing to another JSP, servlet or static page. This action terminates the current JSP's execution</p> <p>C. Specifies the relative URI path of the resource to include. The resource must be part of the same Web application</p> <p>D. Specifies that the JSP uses a JavaBean instance. This action specifies the scope of the bean and assigns it an ID that scripting components can use to manipulate the bean</p>
B	<p>Your web application logs a user in when she supplies username/password. At that time a session is created for the user. Your want to let the user to be logged in only for 20 minutes. The application should redirect the user to the login page upon any request after 20 minutes of activity. Which of the following HttpSession methods would be helpful to you for implementing this functionality?</p> <p>A. getCreationTime()</p> <p>B. getLastAccessedTime()</p> <p>C. getMaxInactiveInterval()</p> <p>D. getLastAccessTime()</p>
D	<p>Identify correct statement about a WAR file:</p> <p>A. It is used by web application developer to deliver the web application in a single unit</p> <p>B. It cannot be unpackaged by the container</p> <p>C. It is an XML document</p> <p>D. It contains web components such as servlets as well as EJBs</p> <p>E. It cannot contain third party jar and class files.</p>
A	<p>The two most common HTTP requests are get and put.</p> <p>A. False</p> <p>B. True</p>
D	<p>Which security mechanism limits access to the availability of resources to permitted groups of users or programs?</p> <p>A. MD5 encryption</p> <p>B. Authentication</p> <p>C. Data integrity</p> <p>D. Authorization</p>

B	<p>Browsers typically cache the server's response to a POST request.</p> <p>A. True B. False</p>
B	<p>A JSP page uses the <code>java.util.ArrayList</code> class many times. Instead of referring the class by its complete package name each time, we want to just use <code>ArrayList</code>. Which attribute of page directive must be specified to achieve this.</p> <p>A. extends B. import C. include D. package E. classpath</p>
C	<p>Which statements are BEST describe include directive of JSP file?</p> <p>A. Allows programmers to include their own new tags in the form of tag libraries. These libraries can be used to encapsulate functionality and simplify the coding of a JSP. B. The scripting language used in the JSP. Currently, the only valid for this attribute is java. C. Causes the JSP container to perform a translation-time insertion of another resource's content. As the JSP is translated into a servlet and compiled, the referenced file replaces the include directive and is translated as if it were original part of the JSP. D. Defines page setting for the JSP container to process.</p>
C	<p>Which is NOT a standard technique for a session be definitely invalidated?</p> <p>A. The container is shutdown and brought up again. B. No request comes from the client for more than "session timeout" period. C. If the session time out is set to 0 using <code>setMaxInactiveInterval()</code> method. D. A servlet explicitly calls <code>invalidate()</code> on a session object.</p>
C	<p>You need to make sure that the response stream of your web application is secure. Which factor will you look at?</p> <p>A. authorization B. authentication C. data integrity</p>

A	<p>Which of the following is NOT a valid attribute for a useBean tag?</p> <ul style="list-style-type: none">A. classNameB. beanNameC. scope
D	<p>Which of the given jsp statement is equivalent to: <%=userbean.getAge()%>. Assume that userbean.getAge() returns an integer.</p> <ul style="list-style-type: none">A. <jsp:getProperty name="userbean" method="getAge"/>B. <jsp:getProperty name="userbean" property="Age"/>C. <jsp:getProperty name="userbean" property="getAge"/>D. <jsp:getProperty name="userbean" property="age"/>
A	<p>Which interface and method should be used to retrieve a servlet initialization parameter value?</p> <ul style="list-style-type: none">A. ServletConfig: getInitParameter(String name)B. ServletConfig: getParameter(String name)C. ServletConfig: getInitParameterNames(String name)D. SevletContext: getInitParameter(String name)
A	<p>Which of the following elements defines the properties of an attribute that a tag needs?</p> <ul style="list-style-type: none">A. attributeB. tag-attribute-typeC. attribute-typeD. tag-attribute
A	<p>... is the well-known host name that refers to your own computer.</p> <ul style="list-style-type: none">A. localhostB. ipC. DNSD. computer name

D

Which statements are BEST describe <jsp:include> Action?

- A. Specifies the relative URI path of the resource to include. The resource must be part of the same Web application.
- B. Specifies that the JSP uses a JavaBean instance. This action specifies the scope of the bean and assigns it an ID that scripting components can use to manipulate the bean.
- C. Forwards request processing to another JSP servlet or static page. This action terminates the current JSP's execution.
- D. Dynamically includes another resource in a JSP. As the JSP executes, the referenced resource is included and processed.

B

Which method of LoginServlet will be called when the user clicks on "Submit" button for the following form.

```
<html>
<body>
<form action="/myapp/LoginServlet" method="POST">
<input type="text" name="name">
<input type="password" name="password">
<input type="submit" value="POST">
</form>
</body>
</html>
```

- A. servicePost(HttpServletRequest, HttpServletResponse);
- B. doPost(HttpServletRequest, HttpServletResponse);
- C. doPost(HttpServletRequest, HttpServletResponse);
- D. post(HttpServletRequest, HttpServletResponse);
- E. doPUT(HttpServletRequest, HttpServletResponse);

C

Which of the following statement is correct?

- A. Authentication means determining whether one has access to a particular resource or not.
- B. Data Integrity means that the data cannot be viewed by anybody other than it's intended recipient.
- C. Data Integrity means that the data is not modified in transit between the sender and the receiver.

E

The HttpServletRequest has methods by which you can find out about incoming information such as:

- A. form data
- B. the client's hostname
- C. cookies
- D. HTTP request headers
- F All of the others

A	<p>Consider the following taglibrary descriptor element:</p> <pre><tag> <name>Hello</name> <tag-class>com.abc.HelloTag<tag-class> <body-content>...</body-content> </tag></pre> <p>Which of the following is NOT a valid value for <body-content> element?</p> <p>A. generic B. empty C. JSP</p>
D	<p>The following line of code exists in the doGet method of Servlet:</p> <pre>String sid = request.getParameter("jsessionId");</pre> <p>Which of the option is NOT a standard technique for retrieving the HttpSession associated with the request?</p> <p>A. HttpSession session = request.getSession(true); B. HttpSession session = request.getSession(false); C. HttpSession session = request.getSession(); D. HttpSession session = request.getSession(sid);</p>
C	<p>The web.xml file for a webapp contains the following XML fragment for configuring session timeout.</p> <pre><session-config> <session-timeout>300</session-timeout> </session-config></pre> <p>What would be the session timeout interval for the sessions created in this web application?</p> <p>A. 300 seconds B. 300 hours C. 300 minutes D. 300 milliseconds</p>
B	<p>Name the default value of the scope attribute of <jsp:useBean></p> <p>A. request B. page C. application D. session</p>

C F	<p>What will be the result of pressing the submit button in the following HTML form? (Choose two.)</p> <pre><form action="/servlet/Register"> <input type="text" name="fullName" value="Type name here" /> <input type="submit" name="sbmButton" value="OK" /> </form></pre> <p>A. A request is sent with the HTTP method HEAD. B. A request is sent with the HTTP method POST. C. A request is sent with the HTTP method GET. D. The parameter fullName is the only parameter passed to the web server in the request URL. E. The parameter fullName is the only parameter passed to the web server as part of the request body. F. The parameters fullName and sbmButton are passed to the web server in the request URL. G. The parameters fullName and sbmButton are passed to the web server as part of the request body. H. No parameters are passed to the web server.</p>
<web-resource-collection>,<auth-constraint>,<user-data-constraint> <web-resource-collection>,<auth-constraint>	<p>Identify which choices in the list below show immediate subelements for <securityconstraint> in the correct order. (Choose two.)</p>
<p>Via another URL pattern (if one is set up elsewhere within the deployment descriptor). Via RequestDispatcher.include(). Via RequestDispatcher.forward().</p>	<p>Given the following incomplete extract from a deployment descriptor, what are possible ways of accessing the protected resource named TheCheckedServlet? (Choose three.)</p> <pre><security-constraint> <web-resource-collection> <web-resource-name>TheCheckedServlet</web-resource-name> <url-pattern>/CheckedServlet</url-pattern> </web-resource-collection> <auth-constraint /> </security-constraint></pre> <pre><security-constraint> <web-resource-collection> <web-resource-name>TheCheckedServlet</web-resource-name> <url-pattern>/CheckedServlet</url-pattern> <http-method>GET</http-method> </web-resource-collection> <auth-constraint> <role-name>bigwig</role-name> </auth-constraint> </security-constraint></pre>

<pre> <security-constraint> <web-resource-collection> <web-resource-name>Info</web-resource- name> <url-pattern>/info/*</url-pattern> <http-method>GET</http-method> </web-resource-collection> <auth-constraint> <role-name>manager</role-name> </auth-constraint> </security-constraint> </pre>	Which of the following xml fragments correctly define a security constraint in web.xml? (Choose one)
<pre> <security-role> <role-name>manager</role-name> </security-role> </pre>	Which of the following XML fragments correctly defines a role named "manager" in web.xml?
<pre> <security-constraint> <web-resource-collection> <web-resource-name>Info</web-resource- name> <url-pattern>/info/*</url-pattern> <http-method>GET</http-method> </web-resource-collection> <user-data-constraint> <transport- guarantee>CONFIDENTIAL</transport- guarantee> </user-dataconstraint> </security-constraint> </pre>	Which of the following xml fragments correctly define a security constraint in web.xml? (Choose one)
<p>Which of the following directories are legal locations for the deployment descriptor file?</p> <p>Note that all paths are shown as from the root of the machine or drive.</p> <p>Select one:</p> <ul style="list-style-type: none"> a. /WEB-INF b. /WEB-INF/xml c. /WEB-INF/classes d. None of others 	a
<p>___ 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.</p> <p>Select one:</p> <ul style="list-style-type: none"> a. Cookie b. Hidden Field c. Session management d. URL Rewrite 	c