



-
1. **A** Which of the following statements are correct about the status of the Http response? Select the one correct answer
- 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.
-
2. **A** Servlet methods are executed automatically.
- A. True**
- B. False
-
3. **A** If you want the same servlet to handle both GET and POST and to take the same action for each, you can simply have doGet call doPost, or vice versa.
- A. True**
- B. False
-
4. **A** When a web server responds to a request from a browser or other Web client the response typically consists of: (Choose one)
- A. a status line, some response headers, a blank line, and the document**
- B. a status line, a blank line, and the document
- C. a blank line, a status line, some response headers and the document
- D. a status line, some response headers, and the document
-
5. **D** Which of these is legal return type of the doStartTag 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_PAGE

6. **B** Cookies never expire

A. True

B. False

7. **A** Classes HttpServlet and GenericServlet implement the ____ interface.

A. Servlet

B. Http

C. HttpServletRequest

D. HttpServletResponse

8. **A** 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?

A. response.setContentType("image/gif");

B. response.setType("application/gif");

C. response.setContentType("application/bin");

D. response.setType("image/gif");

9. **C** 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?

A. ReportServlet will throw exception at runtime.

B. ReportServlet.java won't compile.

C. ReportServlet.java will compile and run without any problems.

10. **A** Which method of ReportGeneratorServlet will be called when the user clicks on the URL shown by the following HTML.

Assume that ReportGeneratorServlet does not override the service(HttpServletRequest, HttpServletResponse) method of the HttpServlet class.

(Choose one)

A. doGet(HttpServletRequest, HttpServletResponse);



B. doPost(HttpServletRequest, HttpServletResponse);
C. doHead(HttpServletRequest, HttpServletResponse);
D. doOption(HttpServletRequest, HttpServletResponse);

11. E

What will be the outcome of executing the following code?

```
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());
}
```

- 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.

12. C

Following is the code for doGet() and doPost() methods of TestServlet.

Which of the statement is correct?

- 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.

13. A

Which of the following is indicated by URL, which is used on the Internet?

- 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



14. 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

15. 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.

16. 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

17. A

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

- A. Cookie
- B. Session
- C. Request
- D. Response

18. D

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

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

19. D

Which is NOT a standard technique for a session be definitely invalidated?

- 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.

20. A

Which method can be invoked on a session object so that it is never invalidated by the servlet container automatically?

- A. setMaxInactiveInterval(-1)
- B. setTimeout(Integer.MAX_INT)



C. setMaxInactiveInterval(Integer.MAX_INT)
D. setTimeout(-1)

21. A

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.

A. True
B. False

22. A

What are the different scope values for the <jsp:use-Bean>? (Choose one correct answer)

A. session, page, application, request
B. session, page, application, global
C. session, page, application, context
D. session, page, response, request

23. 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%>

24. A

Name the default value of the scope attribute of <jsp:use-Bean>

A. page



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

25. **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%>`

26. **A**

Select the correct directive statement insert into the first line of following lines of code (1 insert code here):

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

27. **D**

For JSP scopes of request and page, what type of object is used to store the attributes?

- A. `HttpServletRequest` and `ServletContext` respectively.
- B. `ServletRequest` and `ServletConfig` respectively.
- C. `ServletRequest` and `PageContext` respectively.
- D. `HttpServletRequest` and `PageContext` respectively.**
- E. `ServletConfig` for both.

28. **B**

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



<%=x%>

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>

29. B

Which technique is likely to return an initialization parameter for a JSP page?

A. <%= request.getParameter("myParm") %>

B. <% String s = getInitParameter("myParm"); %>

C. <% = application.getInitParameter("myParm") %>

D. <%= getParameter("myParm") %>

E. <% String s = getAttribute("myParm"); %>

30. A

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).

A. declaration

B. scriptlet

C. expression

31. E

Which jsp tag can be used to set bean property?

A. jsp:useBean

B. jsp:useBean.property

C. jsp:useBean.setProperty

D. jsp:property

E. jsp:setProperty

32. C

Which statements are BEST describe param attribute of <jsp:setProperty param=.... /> Action?

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.

33. **D**

Which statements are BEST describe value attribute of `<jsp:setProperty value=... />` action?

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.

34. **A**

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

35. **A**

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



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.

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.

C. Specifies the MIME type of the data in the response to the client. The default type is text/html.

D. Specifies the class from which the translated JSP will be inherited. This attribute must be a fully qualified package and class name.

36. A

Action _____ has the ability to match request parameters to properties of the same name in a bean by specifying "*" for attribute property.

A. `<jsp:setProperty>`

B. `<jsp:getProperty>`

C. `<jsp:useBean>`

D. `<jsp:include>`

37. A

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 className = "a.b.MyBean"; %>`
`<jsp:useBean id="beanName2" class="<%=className%>" />`

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

D. `<% String propName = "soleProp"; %>`
`<jsp:getProperty name="beanName1" property="<%=propName%>" />`

38. B

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. <name>
- C. <attributename>
- D. <param-name>

39. **B**

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?

- A. blank
- B. empty
- C. null
- D. false

40. **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>

41. **C**

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.*;
```



SE_Kó 4_PRJ321(PRJ301) (Java Web)

Híc trñc tuy¿n tji https://quizlet.com/_aln6zt

```
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(){}

}
```

Assume *.tld and web.xml files are correct.

A. first

null

B. second

null

C. first

second



D. second
first

42. **D**

Which of these is legal return types of the doAfter-Body 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

43. **A**

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

44. **A**

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

45. **D**

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

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



D. <taglib>

<taglib-uri>/graph</taglib-uri>

<taglib-location>/WEB-INF/Charts.tld</taglib-location>

</taglib>

46. c

Study the statements:

1) URL rewriting may be used when a browser is disabled cookies.

2) In URL encoding the session id is included as part of the URL

Which is the correct option ?

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

47. d

A JSP page will not have access to session implicit variable if.

A. the user has closed all his/her browser windows.

B. the request is the first request from the user.

C. the user's browser does not support URL rewriting.

D. the session attribute of page directive is set to false.

48. 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. A Class Cai



E. The scope in which the Java object is accessible-page. request session or application. The default scope is page.

49. **d**

(Choose 1 answer)

HttpServletRequest.getSession() method returns a_____object.

A. HttpSessionSession.

B. HttpResponseSession.

C. HttpRequestSession.

D. HttpSession.

50. **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

51. **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

52. **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");

53. **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");
-

54. **c**

(Choose 1 answer)

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

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

55. **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.

56. **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

57. **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

58. **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

59. **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

60. **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

61. **b**

(Choose 1 answer)

Which is the correct sequence?

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

B. Jsp page is translated -->jsp page is complied-->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

62. **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

63. **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

64. 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.

65. 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.GUr"/>`

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

66. **b**

(Choose 1 answer)

Which is NOT Enterprise Beans?

A. Message-Driven Beans

B. Business Beans

C. Entity Beans

D. Session Beans

67. **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*>`

68. **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

69. 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

70. 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>

71. 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

72. 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().ge-`



```
request.getRequestDispatcher("some url");  
rd.forward(request, response);
```

73. **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>

74. **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

75. **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.

76. **b**

(Choose 1 answer)

Which of the following statement is true for <jsp:use-Bean> ?

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:use-Bean>.

77. **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 data-base

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

78. **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

79. **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

80. **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() {}



81. **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

82. **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

83. **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

84. 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

85. 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 its intended recipients.

C. The information/data is never modified.

D. The information/data is accessible only to users who are authenticated.

86. 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

87. 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

88. a

(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.

89. 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"%>`
-

90. **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
-

91. **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"));
```

92. 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

93. 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);

94. **D**

(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

95. **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

96. **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.

97. 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>

98. 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{  
}
```

99. **d**

The requirementfor 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

100. **c**

(Choose 1 answer)

Which method would you use to put the session id into the URL to support sessions using URL rewriting?

A. encodeURL() of HttpServlet

B. rewriteURL() of HttpServletResponse

C. encodeURL() of HttpServletResponse



D. encodeURL() of HttpServletRequest

101. **b**

(Choose 1 answer)

Which syntax is correct for JSP Declarations?

A. <%=code%>

B. <%! code %>

C. <%code%>

102. **a**

(Choose 1 answer)

Which of the following is NOT a valid attribute for a use-Bean tag?

A. className

B. beanName

C. scope

103. **b**

(Choose 1 answer)

What is the implementation specification of EJB 3 session bean classes?

A. a session bean class must be final or abstract

B. a session bean class must be marked with @Stateless or @Stateful

C. a session bean class can't extend other classes

104. **c**

(Choose 1 answer)

Given a stateless session bean with container-managed transaction demarcation, from which method can a devel-



oper access another enterprise bean?

A. bean constructor

B. PreDestroy lifecycle callback method

C. business method from the business interface

105. 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.

106. 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

107. **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

108. **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

109. **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.

110. **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

111. 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.

112. 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

113. 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.



ble.

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.

114. 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.initialContextis guaranteed to provide a JNDI name space

115. 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.

116. 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{
...
}

117. c

(Choose 1 answer)

Which of the following lines of code, in the doPost() method of a servlet, uses the RL rewriting approach to maintaining sessions? (Choose one)

A. request.useURLRewriting();

B. out.println(response.rewrite("Click here"));

C. out.println("Click here"));



D. `out.println("Click here"));`

118. **a**

(Choose 1 answer)

Which syntax is correct for JSP Scriptlets?

A. `<% code%>`

B. `<%= code%>`

C. `<%! code %>`

119. **d**

(Choose 1 answer)

Which is correct JDBC-ODBC driver name?

a) `jdbc.odbc.sun.JdbcOdbcDriver`

b) `sun.driver.jdbc.odbc`

c) `jdbc.odbc.sun.driver`

d) `sun.jdbc.odbc.JdbcOdbcDriver`

120. **ade**

Select at (least one) answer

Choose three correct statements in JDBC

a) `getObject`

b) `getLine`

c) `getText`

d) `getInt`

e) `getString`

121. **c**

Which is correct sequence for a JDBC execution?

(Choose 1 answer)

a) `Connection -> Load Driver -> Statement -> ResultSet`

b) `Load Driver -> Statement -> ResultSet -> Connection`

c) `Load Driver -> Connection -> Statement -> ResultSet`

d) `Statement -> Connection -> ResultSet -> Load Driver`

122. **ad**

Which are the correct statements of Connection object?

(Choose two)



- a) createStatement(int, int);
- b) createStatement(int, String);
- c) createStatement(String, int);
- d) createStatement();

123. **A C D**

Which are the correct statements of ResultSet object?
(Choose three)

- a) executeQueries()
- b) executeBatch()
- c) execute()
- d) executeUpdate()

124. **c**

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.

- a) getOutputStream
- b) getBinaryStream
- c) getWriter
- d) getStream

125. **c**

Which of these is true about deployment descriptors.
Select the one correct answer

- 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

126. **d**

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

- a) error
- b) exception



- c) exception-page
- d) error-page

127. a _____ is a set of java API for executing SQL statements.

- a) JDBC
- b) JAVADB
- c) ODBC
- d) None of the other choices

128. b JDBC supports _____ and _____ models.
choose one answer

- a) Three-tier and four-tier
- b) Two-tier and three-tier
- c) None of the other choices
- d) Single-tier and two-tier

129. b URL referring to databases use the form:
(Choose one answer)

- a) protocol:subprotocol:datasoursename
- b) jdbc:odbc:datasoursename
- c) protocol:datasoursename
- d) jdbc:datasoursename

130. c 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)

- 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

131. c The _____ class is the primary class that has the driver information.
Select the one correct answer.



- a) None of the other choices
- b) Driver
- c) DriverManager**
- d) ODBCDriver

132. **b**

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.

- A. HttpServletRequest
- B. HttpServletResponse**
- C. ServletConfig
- D. ServletContext

133. **c**

2. Name the method defined in the HttpServletResponse class that may be used to set the content type. Select the one correct answer.

- A. setType
- B. setContent
- C. setContentType**
- D. setResponseContentType

134. **d**

3. Which of the following statement is correct. Select the one correct answer.

- 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.**

135. **c**

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.

- A. SC_OK



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- B. SC_MOVED_TEMPORARILY
- C. SC_NOT_FOUND**
- D. SC_INTERNAL_SERVER_ERROR
- E. ESC_BAD_REQUEST

136. **b**

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.

- A. getStream
- B. getOutputStream**
- C. getBinaryStream
- D. getWriter

137. **a**

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.

- a. True**
- b. False

138. **ac**

Which of the following are correct statements? Select the two correct answers.

- 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.**
- 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.
- C. The getRequestDispatcher(String URL) is defined in both ServletContext and HttpServletRequest method**
- D. The getNamedDispatcher(String) defined in HttpServletRequest class takes the name of the servlet and returns an object of RequestDispatcher class.

139. **a**

A user types the URL `http://www.javaprep.com/scwd/index.html` . Which HTTP request gets generated. Select the one correct answer.

- A. GET method**



- B. POST method
- C. HEAD method
- D. PUT method

140. **d**

When using HTML forms which of the following is true for POST method? Select the one correct answer.

- A. POST allows users to bookmark URLs with parameters.
- B. The POST method should not be used when large amount of data needs to be transferred.
- C. POST allows secure data transmission over the http method.
- D. POST method sends data in the body of the request.**

141. **a**

. Which HTTP method gets invoked when a user clicks on a link? Select the one correct answer.

- A. GET method**
- B. POST method
- C. HEAD method
- D. PUT method

142. **b**

Which of the following is not a valid HTTP/1.1 method. Select the one correct answer.

- A. CONNECT method
- B. COMPARE method**
- C. OPTIONS method
- D. TRACE method

143. **b**

Name the http method used to send resources to the server. Select the one correct answer.

- A. FTP methodd
- B. PUT method**
- C. WRITE method
- D. COPY method

144. **B**

. Name the http method that sends the same response as the request. Select the one correct answer.

- A. DEBUG method
- B. TRACE method**



C. OPTIONS method
D. HEAD method

145. c

Which three digit error codes represent an error in request from client? Select the one correct answer.

- A. Codes starting from 200
- B. Codes starting from 300
- C. Codes starting from 400
- D. Codes starting from 500

146. c

Name the location of compiled class files within a war file? Select the one correct answer.

- A. /META-INF/classes
- B. /classes
- C. /WEB-INF/classes
- D. /root/classes

147. d

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

- A. `<%int i = 1;%>`
`<%= i; %>`
- B. `<%int i = 1;`
`i; %>`
- C. `<%int i = 1%>`
`<%= i %>`
- D. `<%int i = 1;%>`
`<%= i %>`
- E. `<%int i = 1%>`
`<%= i; %>`

148. e

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

- `<%x=1;%>`
- A. `<jsp:expression x=1;/>`
- B. `<jsp:expression>x=1;</jsp:expression>`
- C. `<jsp:statement>x=1;</jsp:statement>`
- D. `<jsp:declaration>x=1;</jsp:declaration>`
- E. `<jsp:scriptlet>x=1;</jsp:scriptlet>`

149. d



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

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

B. The JSP statement `<%! int x; %>` is equivalent to the statement `<jsp:scriptlet>int x;</jsp:scriptlet%>`.

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

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

150. c

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

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

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

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

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

```
<% }%>
```

```
<% if(z<y) {%>
```

```
<%= z%>
```

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

```
<%= z - 1%>
```

```
<% }%>
```

A. 0

B. 1

C. 2

D. 3

E. The program generates compilation error.

151. e

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

A. `out`

B. `session`

C. `request`

D. `response`

E. `httpsession`

F. `page`



152. **d**

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

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

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

A. `<jsp:getColor bean="fruit"/>`

B. `<jsp:getProperty id="fruit" property="color"/>`

C. `<jsp:getProperty bean="fruit" property="color"/>`

D. `<jsp:getProperty name="fruit" property="color"/>`

E. `<jsp:getProperty class="Fruit" property="color"/>`

153. **c**

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

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

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

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

A. This is incorrect syntax of `<jsp:setProperty/>` 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 *.

154. **bc**

Which of the following represents a correct syntax for usebean. Select the two correct answers.

A. `<jsp:usebean id="fruit scope ="page"/>`

B. `<jsp:usebean id="fruit type ="String"/>`

C. `<jsp:usebean id="fruit type ="String" bean-Name="Fruit"/>`

D. `<jsp:usebean id="fruit class="Fruit" bean-Name="Fruit"/>`

155. **ad**



Which of the following statements are true for <jsp:usebean>. Select the two correct answers.

- A. The id attribute must be defined for <jsp:usebean>.
- B. The scope attribute must be defined for <jsp:usebean>.
- C. The class attribute must be defined for <jsp:usebean>.
- D. The <jsp:usebean> must include either type or class attribute or both.

156. **cd**

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

- A. include
- B. scope
- C. errorPage
- D. session
- E. debug

157. **c**

Which of the following represents the XML equivalent of this statement <%@ include file="a.jsp"%> . Select the one correct statement

- 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.

158. **b**

Assume that you need to write a JSP page that adds numbers from one to ten, and then print the output.

```
<% int sum = 0;
for(j = 0; j < 10; j++) { %>
// XXX --- Add j to sum
<% } %>
//YYY --- Display ths sum
```

Which statement when placed at the location XXX can be used to compute the sum. Select the one correct statement

- A. <% sum = sum + j %>
- B. <% sum = sum + j; %>



- C. `<%= sum = sum + j %>`
- D. `<%= sum = sum + j; %>`

159. **c**

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

- A. `<% sum %>`
- B. `<% sum; %>`
- C. `<%= sum %>`
- D. `<%= sum; %>`

160. **d**

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?

- A. `HttpRequest`
- B. `ServletRequest`
- C. `Request`
- D. `HttpServletRequest`

161. **a**

JSP pages have access to implicit objects that are exposed automatically. Name the implicit object that is of type `HttpSession`.

- A. `session`
- B. `application`
- C. `httpSession`
- D. `httpsession`

162. **bc**

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

- A. `<% page info="test page" %>`
- B. `<%@ page info="test page" session="false"%>`
- C. `<%@ page session="true" %>`
- D. `<%@ page isErrorPage="errorPage.jsp" %>`
- E. `<%@ page isThreadSafe=true %>`

163. **b**

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

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



A. Yes. This is legal JSP syntax.

B. No. This code will generate syntax errors

164. **a**

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. contentType

B. generateXML

C. type

D. outputXML

165. **b**

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.

A. extends

B. import

C. include

D. package

E. classpath

166. **ac**

Which of these are true. Select the two correct answers.

A. The default value of isThreadSafe attribute of page directive is true.

B. If isThreadSafe attribute of page directive is set to true, then JSP container dispatches request for the page sequentially.

C. When isThreadSafe attribute of page directive is set to true, a thread is created for each request for the page.

D. Setting isThreadSage attribute to true for JSP pages, can lead to poor performance.

167. **af**

Which of the following are examples of JSP directive. Select the two correct answers.

A. include

B. exclude

C. import

D. taglibrary



E. servlet

F. page

168. d

Which of these is true about include directive. Select the one correct answer.

A. The included file must have jspf extension.

B. The XML syntax of include directive in <jsp:include file="fileName"/> .

C. The content of file included using include directive, cannot refer to variables local to the original page.

D. When using the include directive, the JSP container treats the file to be included as if it was part of the original file.

169. ad

Message-driven beans are classes that implement 2 interfaces :

Choose two answer

[A]

javax.ejb.MessageDrivenBean

[B]

javax.jms.Message

[C]

javax.jms.MessageBean

[D]

javax.jms.MessageListener

170. ab

Which are the types of messaging domains ? (choose 2)

[A]

Publish/Subscribe

[B]

Point-to-Point

[C]

Peer-to-Peer

[D]

Broadcast/Receiver

171. d

Select the correct JMS programming model

[A]

Locate the JMS Driver -> Create a JMS connection ->

Create a JMS session -> Locate the JMS destination ->



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Create a JMS producer or a JMS consumer -> Send or receive message

[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

[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

[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

172. a

Select the word to replace ??? to make the diagram about messaging domain correct

[A]

Topic

[B]

Queue

[C]

PTP

[D]

Pub/Sub//

173. d

A ____ subscription to a topic means that a JMS subscriber receives all message even if the subscriber is inactive

[A]

temporary

[B]

nondurable

[C]

persistent

[D]

Durable



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



primary key
[D]
home object

178. **ac**

select CORRECT statement (choose 2)

[A]

Entity beans represent persistent state objects (things that don't go away when user goes away)

[B]

Session beans represent persistent state objects (things that don't go away when user goes away)

[C]

Session beans model a process or workflow (actions that are started by the user and that do away when user goes away)

[D]

Entity beans model a process or workflow (action that are started by the user and that go way when user goes away)

179. **c**

The _____ class makes every entity bean different

[A]

bean key

[B]

bean ID

[C]

primary key

[D]

key

180. **acd**

The top three values of EJB are (choose 3):

[A]

Portability is easier

[B]

Distributed application

[C]

Rapid Application Development

[D]

It is agreed upon by the industry



[E]
Easy to upgrade

181. a

Which is not the players in the EJB Ecosystem? (choose 1):

- [A]
End User
[B]
EJB Deployer
[C]
System Administrator
[D]
Application Assembler
[E]
Bean provider

182. a

The _____ is the overall application architect .This party is responsible for understanding how various components fit together and writes the application that combine components.

- [A]
Application Assembler
[B]
Application Builder
[C]
Deployer
[D]
Developer

183. c

which is not the role of EJB Deployer?

- [A]
Securing the deployment with a firewall
[B]
Performance-turning the system
[C]
Write the code that calls on components supplied by bean providers
[D]



Choosing hardware that provides the required level of performance

184. **abe**

Which are EJB containers ? (choose three)

[A]

JBoss

[B]

BEA's WebLogic

[C]

Microsoft Application Server

[D]

Apache Tomcat 5.5

[E]

IBM WebSphere

185. **d**

The _____ supplies business components,or enterprise beans

[A]

Tool vendor

[B]

Application assembler

[C]

Deployer

[D]

Bean provider

186. **b**

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(PageContextpage){
        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(){}

}
```

Assume *.tld and web.xml files are correct.



- [A]
second
first
- [B]
first
second
- [C]
first
null
- [D]
second
null

187. **ae**

Which of these are legal return types of the doEndTag method defined in a class that extends TagSupport class. SELECT the two correct answers.

- [A]
EVAL_PAGE
- [B]
EVAL_BODY
- [C]
EVAL_PAGE_INCLUDE
- [D]
EVAL_BODY_INCLUDE
- [E]
SKIP_PAGE
- [F]
SKIP_BODY

188. **d**

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.

- [A]
The prefix defines the name of the tag that may be used for a tag library.
- [B]
The prefix attribute defines the location of the tag library



descriptor file

[C]

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

[D]

The prefix attribute is used in front of a tagname of a tag defined within the tag library

189. 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>

190. 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)

191. 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

192. A B

Which of the following are potential legal of JSP source ? (choose 2)

- [A]
<jsp:useBean id = "beanName1" class="a.b.MyBean" type="a.b.Myinterface"/>
[B]
<% String myValue = "myValue";%>
<jsp:setProperty name ="beanName1" property="soleProp" value = "<%=myValue%>"/>
[C]
<%String className = "a.b.MyBean";%>
<jsp:useBean id = "beanName2" class="<%=className%>"/>
[D]
<%String propName = "soleProp"; %>
<jsp:getProperty name = "beanName1" property="<%=propName%>" />
[E]
<%String beanName = "beanName3"; %>
<jsp:useBean id = "<%=beanName3%>" class="a.b.MyBean" />

193. a

Given that a servlet has been mapped to /account/*. Identity the HttpServletRequest methods that will return the/myapp segmentforthe URI: /myapp/account/*.



- A. getPathInfo
- B. getServletPath
- C. getContextPath

194. a

What is the consequence of attempting to access the following JSP page?

```
<html>
<body>
<%!
public void JspService(HttpServletRequest request
HttpServletRequest response) { outwrite("A");
}
%>
<% outwritef("B"): %>
</body>
</html>
```

- 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.

195. C

Which of the following statement is correct?

- A. Data Integrity means that the data cannot be viewed by anybody other than it's intended receipient
- 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.

196. d

_____includes a static file in a JSP file, parsing the file's JSP elements

- A. <jsp:forward>
- B. <jsp:useBean>
- C. import directive
- D. include directive
- E. <jsp:include>

197. d

Study the statements:

- 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.

- 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

198. 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 `ca`

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.

199. b

Consider the following java code:

```
//in file Book.java package com.bookstore; public class Book {  
    private long isbn;  
    public BookO{ 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="new-book"/>
```

```
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
nbsp;nbsp;'value' attribute of 'setProperty' tag is given as:
value=1000



B. The isbn property of newbook will be set to 1000.
C. It will not compile.

200. **D**

Identify the technique that can be used to implement 'sessions' if the client browser does not support cookies.(Choose one)
A. It cannot be done without cookie support
B. Using Http headers.
C. URL Writing
D. Hidden form fields.

201. **C**

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)
A. response.setType("application/pdf");
B. response.setContentType("image/pdf");
C. response.setContentType("application/pdf");
D. response.setType("image/pdf");

202. **d**

Which is NOT a correct statement about entity beans?
A. They are used to share data among clients
B. They are used to store persistent data
C. They are used to represent data stored in a RDBMS
D. They are used to implement business processes

203. **d**

A Java developer needs to be able to send email, containing XML attachments, using SMTP.Which JEE (J2EE) technology provides this capability?
A. Servlet
B. JSP
C. EJB
D. JavaMail

204. **c**

Consider the HTML code below. Which of the following method calls can retrieve the "email" value sent from the browser? (Choose one)
A. getFormValue("email") of HttpServletRequest
B. getField(email") of HttpServletRequest
C. getParameter("email") of ServletRequest
D. getParameters("email") of HttpServlet



-
205. **a** Which of the following methods can be used to add cookies to a servlet response?
- A. HttpServletResponse.addCookie(Cookie cookie)**
 - B. ServletResponse.addCookie(Cookie cookie)
 - C. ServletResponse.addCookie(String contents)
 - D. HttpServletResponse.addCookie(String contents)
 - E. ServletResponse.addHeader(String name. String value)
-
206. **d** 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/classes
 - B. FWorks/WEB-INF/lib/classes
 - C. FWorks/WEB-INF
 - D. FWorks/WEB-INF/classes**
-
207. **d** Which is NOT a core component of JSP?
- A. actions
 - B. name of a jsp file
 - C. tag libraries
 - D. scriptlets**
 - E. directives
-
208. **c** 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 only to the servlet it is defined for.
 - B. It is accessible to all the servlets of all the webapps of the container.
 - C. It is accessible to all the servlets of the webapp.**
-
209. **d** Identify the parent element of <session-timeout> element in web.xml
- A. <session-configuration>
 - B. <webapp>
 - C. <session_config>
 - D. <session-config>**
-



-
210. **d** Which of the following are correct JSP expressions?
- A. `<%= outprintln("hello"); %>`
 - B. `<% "Hello World"; %>`
 - C. `<%= "Hello World"; %>`
 - D. `<%= new Date() %>`
-
211. **a** 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
- A. `\WEB-INF\lib`
 - B. `\jars`
 - C. `\WEB-INF`
 - D. `\WEB-INF\classes`
-
212. **b** Which security mechanism proves that data has not been tampered with during its transit through the network?
- A. Packet sniffing
 - B. Data integrity
 - C. Data validation
 - D. Authentication
 - E. Data privacy
 - F. Authorization
-
213. **d** A JSP page has the following page directives:
- ```
<%@page isErrorPage='false' %>
<%@page errorPage='/jsp/myerror.jsp' %>
```
- Which of the following implicit object is NOT available to the jsp page?
- A. session
  - B. response
  - C. application
  - D. exception
- 
214. **c** Which statements are BEST describe uri attribute of `<%@ taglib uri=_%>` directive of JSP file?
- 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.

215. **b**

Which of the following task may happen in the translation phase of JSP page? (Choose one)

A. Instantiation of the servlet class.

B. Creation of the servlet class corresponding to the JSP file.

C. None of the others

D. Execution of JspServiceQ method.

216. **c**

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 java.lang.Exception? (Choose one)

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 web.xml

C. Catch the exception, wrap it into ServletException and define the 'business exception to error-page' mapping in web.xml

217. **c**

What is the output of the following code snippet of a JSP page?

```
${empty""}

```

```
${empty"sometext"}
```

A. false

B. false true

C. true false

D. true

218. **b**

Which option can be used to predefine Java Persistence queries for easy use?

A. @NamedNativeQuery annotation

B. @NamedQuery annotation

C. using the named-native-query element in the XML descriptor



- 
219. **b** Which is NOT associated with the business tier in a JEE (J2EE) web-based application?  
A. Entity Beans  
**B. JSP**  
C. Stateless Session Beans
- 
220. **a** Identify the correct element is required for a valid <taglib> tag in web.xml (Choose one)  
**A. <taglib-uri>**  
B. <uri>  
C. <uri-name>  
D. <uri-location>  
E. <tag-uri>
- 
221. **d** (Choose 1 answer)  
Which of the statements regarding the following code are correct?  

```
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");
}
```

  
A. Only "World" will be a part of the output  
B. Neither will be a part of the output  
C. Only "Hello" will be a part of the output  
**D. "Hello" and "World" both will be a part of the output**
- 
222. **c** Which technology is used for processing HTTP requests and mapping those requests to business objects  
A. EJB  
B. JMS  
**C. Servlets**  
D. MOM (Message-Oriented Middleware Product)
- 
223. **C** 10. Which of the given jsp statement is equivalent to <% = userbean.getAge() %>



## SE\_Kó 4\_PRJ321(PRJ301) (Java Web)

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Assume that `userbean.getAge()` returns an integer.  
(Choose one)

A . `<jsp:getProperty name = "userbean" property = "Age" />`

B. `<jsp:getProperty name = "userbean" method= "getAge" />`

C. `<jsp:getProperty name = "userbean" property = "age" />`

D . `<jsp:getProperty name = "userbean" property = "getAge" />`

224. A

3. Which of these is a correct fragment within the web-app element of deployment descriptor

A. `<error-page> <error-code>404 </error-code> <location></error-page>`

B. `<error-page> <exception-type> mypackage.MyException</exception-type> <error-code>404 </error-code> <location>/error.jsp</location></error-page>`

C. `<error-page> <exception-type> mypackage.MyException</exception-type> <error-code>404 </error-code> <location></error-page>`

225. B

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

A. the client's hostname

B. All of the others

C. cookies

D. HTTP request headers

E. form date

226. A

7. Host names are translated into IP addresses by web servers.

A False

B\_ True

227. B

8. Which of the following defines the type of the content that a tag can accept?

A. content-type

B body-content



C content  
D. tag-content-type

228. E

14. In which of the following case will the method doStartTag() of a tag handler be invoked?

- A, If doEndTag() returns EVAL TAG AGAIN
- B . This method is invoked if doTag() method returns true.
- C .It will be invoked only If the use of that tag is not enclosed in another custom tag.
- D. This method is invoked if doTag() method returns DO START
- E. This method is always invoked whenever the tag's use is encountered in the jsp page.

229. C

17. How can you ensure the continuity of the session while using HttpServletResponse.sendRedirect() method when cookies are not supported by the client?

- A By using hidden parameters.
- B By using HttpServletRequest.encodeURL() method.
- C By encoding the redirect path with HttpServletResponse.encodeRedirectURL() method
- D HttpServletResponse.encodeRedirectURL() method

230. C

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)

- A pageContext and config
- B config and pageContext
- C application for both
- D config for both.

231. B

19. Which of the following is a properly formatted taglib element occurring in web\_xml?

- A. <taglib>  
<uri>/graph</tablib-uri>  
<location>/WEB-INF/Charts.tld</location>  
</tablib>
- B. <taglib>



<taglib-uri>/graph</taglib-uri>

<taglib-location>/WEB-INF/Charts.tld</taglib-location>

</taglib>

C. <taglib>

<taglib-name>/graph</taglib-name>

<taglib-location>/WEB-INF/Charts.tld</taglib-location>

</taglib>

232. E

22. A bean with a property color is loaded using the following statement

<jsp:useBean id="fruit"

Which statement may be used to set the color property of the bean.

A <jsp:setColor id="fruit" property= "color" value="white"/>

B <jsp:setColor name="fruit" property= "color" value="white"/>

C <jsp:setValue name="fruit" property= "color" value="white"/>

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

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

F <jsp:setProperty id="fruit" property= "color" value="white">

233. A

26. Identify the method used to get an object available in a session. (Choose one)

A getAttribute of HttpSession

B getValue of HttpSession

C get of Session

D getAttribute of Session

234. C

28. Which of these is legal attribute of page directive?

A include

B scope

C errorPage

D debug

235. A



- 
30. Complete the statement:  
<taglib> element in the Web application deployment descriptor is used to \_\_\_\_\_  
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
- 
236. **A**      29. Which of the following XML fragments correctly specify the class name for a servlet in a deployment descriptor of a webapp?  
A <servlet-class> com.abcinc.OrderServlet</servlet-class>  
B <servlet> com.abcinc.OrderServlet</servlet>  
C <class> com.abcinc.OrderServlet</class>  
D <servlet-class> com.abcinc.OrderServlet.class</servlet-class>
- 
237. **B**      31. When implementing a tag, if the tag does not include the body, then the tag handler class must extend the BodyTagSupport class.  
Is this statement true or false?  
A True  
B False
- 
238. **B**      34. You can set a page to be an error page either through web.xml or by adding a page directive  
A <%@page errorPage="errorPage.jsp" %>  
B <%@page isErrorPage="true" %>  
C <%@page isErrorPage="false" %>
- 
239. **B**      36. (Choose 1 answer)  
Study the statements:  
1) The context path contains a special directory called WEB-INF which contains the deployment descriptor file, web.xml  
2) A client application may directly access resources in WEB-INF or its subdirectories through HTTP\_  
A Both 1 and 2 are true  
B Only statement 1 is true



## SE\_Kó 4\_PRJ321(PRJ301) (Java Web)

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C Only statement 2 is true  
D Both 1 and 2 are not true

240. **B**

39. JSP \_\_\_\_\_ let you inserts arbitrary code into servlet's  
\_jspService method (which is called by service)  
A declarations  
**B scriptlets**  
C expressions

241. **E**

47. Which is NOT a scope of implicit objects of JSP file?  
A. application  
B session  
C page  
D request  
**E response**

242. **B**

48. A JavaBeans component has the following field.  
private boolean enabled  
Which pairs of method declarations follow the JavaBeans  
standard for accessing this field?  
A. public boolean setEnabled( boolean enabled)  
public boolean getEnabled()  
**B. public void setEnabled( boolean enabled)**  
**public boolean getEnabled()**  
C. public Boolean setEnabled( boolean enabled)  
public boolean isEnabled()  
D. public void setEnabled( boolean enabled)  
public void isEnabled()

243. **B**

49. statement true or false?  
The deployment descriptor of a web application must  
have the name web\_xml\_ In the same way the tag library  
descriptor file must be called taglib\_xml  
A. True  
**B. False**

244. **A**

41. <html>  
<body>  
<form action="loginPage.jsp">  
Login ID:<input type "text" name="loginID"><br>





```
Password:<input type "password" name="password">

<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.

245. **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

**D. web.xml in MyWebApp/WEB-INF**

246. **A**

45. Your web application named "FWorks" uses Special-Math\_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

247. **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("machine-Name");**
- C. ServletConfig sc = getServletConfig().  
String serverName = sc.getInitParameter("machine-Name");
- D. response.getParameter("machineName");

248. **A**

Servlets usually are used on the client side of a networking application.

- A. False**
- B. True

249. **C**

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

- 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

250. **B**

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.

A. False

**B. True**

251. **A**

The <servlet-mapping> element provides a means of defining URLs to use the servlet resources.

**A. True**

B. False

252. **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.**

253. **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

254. **D**

Which of these is true about include directive?

A. The included file must have jsp extension.

B. The XML syntax of include directive in <jsp:include file="fileName"/>

C. The content of file included using include directive,



cannot refer to variables local to the original page.

D. When using the include directive, the JSP container treats the file to be included as if it was part of the original file.

255. C

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?

A. `<%=jsp:getProperty name="mybean" property="name"%>`

B. `<%out.println(mybean.getName())%>`

C. `<jsp:getProperty name="mybean" property="name"/>`

D. `<%=out.println(mybean.getName())%>`

256. A

Your jsp page uses `java.util.TreeMap`. Adding which of the following statement will ensure that this class is available to the page?

A. `<%@ page import="java.util.TreeMap"%>`

B. `<%! import="java.util.TreeMap"%>`

C. `<%@ import="java.util.TreeMap"%>`

D. `<%! page import="java.util.TreeMap"%>`

257. A

Which directory is legal location for the deployment descriptor file? Note that all paths are shown as from the root of the web application directory

A. `\WEB-INF`

B. `\WEB-INF\xml`

C. `\WEB-INF\classes`

258. 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/>`



```


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

---

259. 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



260. **D**

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

```
<jsp:useBean id="fruit" class="Fruit"/>
```

What is the effect of the following statement.

```
<jsp:setProperty name="fruit" property="color"/>
```

Select one correct answer.

A. An error gets generated because the value attribute of setAttribute is not defined

B. The color attribute is assigned a value null

C. The color attribute is assigned a value ""

**D. If there is a non-null request parameter with name color, then its value gets assigned to color property of Java Bean fruit**

261. **A**

Which of the following classes define the methods setStatus(...) and sendError(...) used to send an HTTP error back to the browser?

**A. Both are defined in HttpServletResponse**

B. Both are defined in ServletRequest

C. Both are defined in ServletResponse

D. Both are defined in HttpServletRequest

262. **B**

The path in a URL typically specifies a resource's exact location on the server

A. False

**B. True**

263. **A**

In which of the following cases will the method doEndTag() of a tag handler be invoked?

**A. It will be invoked only if doStartTag() or doAfterBody() return Tag.DO\_END\_TAG**

B. It will be invoked only if doStartTag() and doAfterBody() complete successfully

C. This method is invoked if doStartTag() method returns true



D. It will be invoked in all case even if doStartTag() or doAfterBody() throw an exception

264. **C**

Which of the following statement is correct?

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. Authentication means proving whether one is what one claims to be**

265. **B**

Select the correct directive statement insert into the first line of following lines of code:

1 Insert code here

<html>

<head>

<title>Test Page</title>

</head>

<body>

Today's Date is <%=new Date()%>

</body>

</html>

A. <%@ package import ='java.util.\*' %>

**B. <%@ page import='java.util.\*' %>**

C. <%! page import='java.util.\*' %>

D. <%@ import package='java.util.\*' %>

266. **C**

Which statements are BEST describe page attribute of <jsp:include page =...> Action?

A. Dynamically includes another resource in a JSP. As the JSP executes, the referenced resource is included and processed

B. Forwards request processing to another JSP, servlet or static page. This action terminates the current JSP's execution

**C. Specifies the relative URI path of the resource to**



**include.** The resource must be part of the same Web application

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

267. **B**

Your web application logs a user in when she supplies username/password. At that time a session is created for the user. You 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?

- A. `getCreationTime()`
- B. `getLastAccessedTime()`**
- C. `getMaxInactiveInterval()`
- D. `getLastAccessTime()`

268. **A**

If an HTTP client request is NOT authenticated, what is returned by `request.getUserPrincipal()`?

- A. A null**
- B. A Principal object that will return empty string for `getName()`
- C. A Principal object that will return null for `getName()`
- D. The call to `request.getUserPrincipal()` would throw an exception.

269. **A**

A tag library defines a set of elements that can be inserted into the JSP file.

- A. True**
- B. False

270. **A**

A JSP expression is used to insert values directly into the output.

- A. True**
- B. False





- 
271. **D** Identify correct statement about a WAR file:
- A. It is used by web application developer to deliver the web application in a single unit
  - B. It cannot be unpackaged by the container
  - C. It is an XML document
  - D. It contains web components such as servlets as well as EJBs**
  - E. It cannot contain third party jar and class files.
- 
272. **A** The two most common HTTP requests are get and put.
- A. False**
  - B. True
- 
273. **D** Which security mechanism limits access to the availability of resources to permitted groups of users or programs?
- A. MD5 encryption
  - B. Authentication
  - C. Data integrity
  - D. Authorization**
  - E. Confidentiality
  - F. Checksum validation
- 
274. **B** Browsers typically cache the server's response to a POST request.
- A. True
  - B. False**
- 
275. **B** 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.
- A. extends
  - B. import**
  - C. include



- D. package
- E. classpath

276. C

Which statements are BEST describe include directive of JSP file?

- 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.

277. C

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

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

278. A

Which of the following is NOT a valid attribute for a use-Bean tag?

- A. className
- B. beanName
- C. scope

279. D

Which of the given jsp statement is equivalent to: `<%=userbean.getAge()%>`. Assume that `userbean.getAge()` returns an integer.

- A. `<jsp:getProperty name="userbean" method="getAge"/>`
- B. `<jsp:getProperty name="userbean" property="Age"/>`
- C. `<jsp:getProperty name="userbean" proper-`



ty="getAge"/>

D. <jsp:getProperty name="userbean" property="age"/>

280. A

Which interface and method should be used to retrieve a servlet initialization parameter value?

A. ServletConfig: getInitParameter(String name)

B. ServletConfig: getParameter(String name)

C. ServletConfig: getInitParameterNames(String name)

D. SevletContext: getInitParameter(String name)

281. A

Which of the following elements defines the properties of an attribute that a tag needs?

A. attribute

B. tag-attribute-type

C. attribute-type

D. tag-attribute

282. A

... is the well-known host name that refers to your own computer.

A. localhost

B. ip

C. DNS

D. computer name

283. 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.

284. 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);

285. 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 recepient.

C. Data Integrity means that the data is not modified in transit between the sender and the receiver.

286. 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

E. All of the others

287. A

Consider the following taglibrary descriptor element:

```
<tag>
```

```
<name>Hello</name>
```

```
<tag-class>com.abc.HelloTag<tag-class>
```

```
<body-content>...</body content>
```

```
</tag>
```

Which of the following is NOT a valid value for <body-content> element?

A. generic

B. empty

C. JSP

288. D

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?

A. HttpSession session = request.getSession(true);

B. HttpSession session = request.getSession(false);

C. HttpSession session = request.getSession();

D. HttpSession session = request.getSession(sid);

289. C

The web.xml file for a webapp contains the following XML fragment for configuring session timeout.

```
<session-config>
```

```
<session-timeout>300</session-timeout>
```

```
</session-config>
```

What would be the session timeout interval for the sessions created in this web application?

A. 300 seconds

B. 300 hours

C. 300 minutes

D. 300 milliseconds



290. **C F**

What will be the result of pressing the submit button in the following HTML form? (Choose two.)

```
<form action="/servlet/Register">
```

```
<input type="text" name="fullName" value="Type name here" />
```

```
<input type="submit" name="sbmButton" value="OK" />
</form>
```

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.