Java EE 6 Web Component Developer Certified Expert Exam

1. Which JSP standard action can be used to import content from a resource called foo.jsp?

A. <jsp:include>foo.jsp</jsp:include>

B. <jsp:include page='foo.jsp' />

C. <jsp:import file='foo.jsp' />

D. <jsp:import page='foo.jsp' />

E. <jsp:import>foo.jsp</jsp:import>

F. <jsp:include file='foo.jsp' />

Answer(s): B

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2. You have a use in your web application that adds several session-scoped attributes. At the end of the use case, one of these objects, the manage attribute, is removed and then it needs to decide which of the other session-scoped attributes to remove.

A. The object of the manager attribute should implement the HttpSessionListenar and it should call the removeAttribute method on the appropriate session attributes.

B. The object of the manager attribute should implement the HttpSessionBindingListener rind it should call the deleteAttribute method on the appropriate session attributes.

C. The object of the manager attribute should implement the HttpSessionBindingListener and it should call the removeAttribute method on the appropriate session attributes.

D. The object of the manager attribute should implement the HttpsessionListener and it should call the deleteAttribute method on the appropriate session attributes.
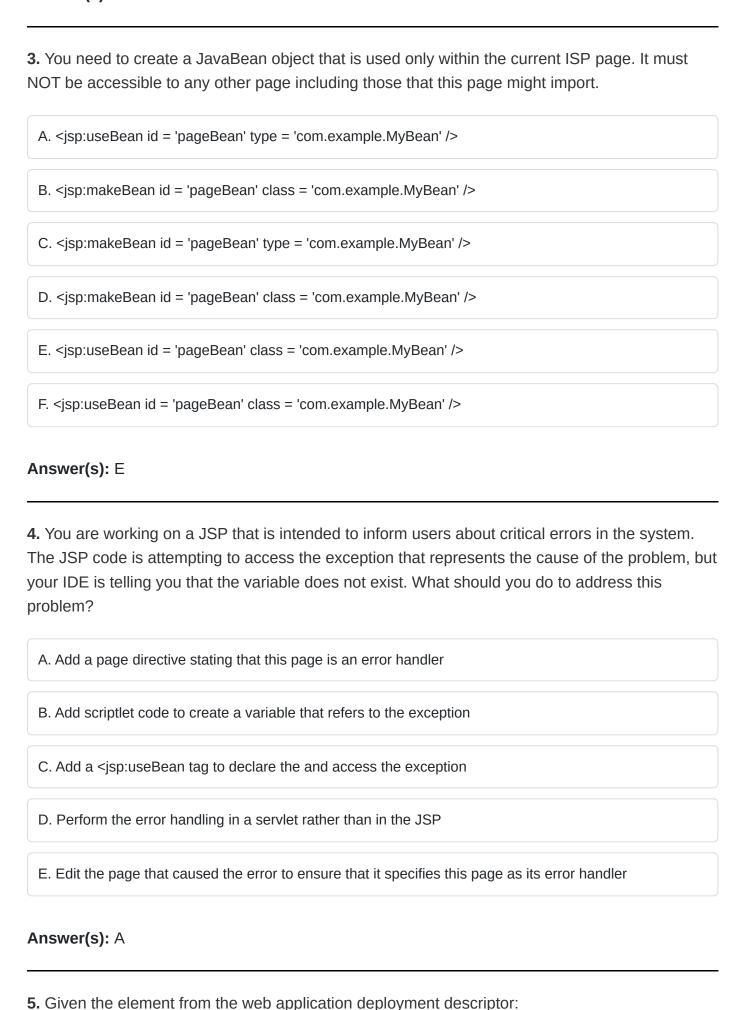
Answer(s): C

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3. You need to create a JavaBean object that is used only within the current ISP page. It must NOT be accessible to any other page including those that this page might import.

A. <jsp:useBean id = 'pageBean' type = 'com.example.MyBean' />

B. <jsp:makeBean id = 'pageBean' class = 'com.example.MyBean' />

C. <jsp:makeBean id = 'pageBean' type = 'com.example.MyBean' />

D. <jsp:makeBean id = 'pageBean' class = 'com.example.MyBean' />

E. <jsp:useBean id = 'pageBean' class = 'com.example.MyBean' />

F. <jsp:useBean id = 'pageBean' class = 'com.example.MyBean' />

Answer(s): E

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4. You are working on a JSP that is intended to inform users about critical errors in the system. The JSP code is attempting to access the exception that represents the cause of the problem, but your IDE is telling you that the variable does not exist. What should you do to address this problem?

A. Add a page directive stating that this page is an error handler

B. Add scriptlet code to create a variable that refers to the exception

C. Add a <jsp:useBean tag to declare the and access the exception

D. Perform the error handling in a servlet rather than in the JSP

E. Edit the page that caused the error to ensure that it specifies this page as its error handler

Answer(s): A

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5. Given the element from the web application deployment descriptor:

A. `<b> <b>`

B. `<% int i = 12 %><b> <%= i % > < b>`

C. `<b> l2 </b>`

D. The JSP fails to execute.

Answer(s): D

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6. You are implementing a model component. You realize that an IOException might arise if you lose connection to the database. How should you address this?

A. Surround the problem area with a try/catch block and implement appropriate recovery or fallback behavior.

B. Implement multipathing to provide redundant connectivity to the database, thereby avoiding that risk of connection failure.

C. Use the JSTL `<c:catch>` tag to take control if the exception arises.

D. Provide an error handler page, and use the page directive in the invoking ISP to redirect to that page if the error arises.

Answer(s): C

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7. In which two locations can library dependencies be defined for a web application? (Choose two)

A. the web application deployment descriptor

B. the /META-INF/MANIFEST.MF manifest file

C. the /META-INF/MANIFEST.MF manifest of a JAR in the web application classpath

D. the /META-INF/dependencies.xml file

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8. Which EL expression evaluates to the request URI?

A. ${requestURI}

B. ${request.URI}

C. ${pageContext.request.requestURI}

D. ${request.getURI}

E. ${requestScope.request.requestDRI}

F. ${requestScope.requestURI}

G. ${request.requestURI}

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9. Which two are true about the JSTL core iteration custom tags? (Choose two.)

A. When looping over integers (for example begin= '1' end= '10'), a loop status object may not be used in the tag body.

B. When looping over collections, a loop status object may be used in the tag body.

C. It may iterate over arrays, collections, maps, and strings.

D. The body of the tag may contain EL code, but not scripting code.

E. It may iterate over map, but only the key of the mapping may be used in the tag body.

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10. Given an HttpServletRequest request and an httpServletResponse response:

A. session = request.getSession ("jsessionid");

B. session = request.getSession ();

C. session = request.getSession (true);

D. session = request.getSession (false);

E. session = response.getSession ();

Answer(s): D

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11. As a convenience feature, your web pages include an Ajax request every five minutes to a special servlet that monitors the age of the user's session. The client-side JavaScript that handles the Ajax callback displays a message on the screen as the session ages. The Ajax call does NOT pass any cookies, but it passes the session ID in a request parameter called sessionID. In addition, assume that your webapp keeps a hasmap of session objects by the ID. Here is a partial implementation of this servlet:

A. session.getMaxInactiveInterval();

B. session.getLastAccessed() - session.getCreationTime();

C. session.getMaxInactiveInterval() - session.getCreationTime();

D. session.getLastAccessedTime().getTime() - session.getCreationTime().getTime();

E. session.getLastAccessed().getTime() - session.getCreationTime().getTime();

F. session.getLastAccessedTime() - session.getCreationTime();

Answer(s): F

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12. In a jsp-centric shopping cart application cart application to move a client's home address of Customer object into the shipping address of the order object. The address data is stored in a value object class called Address with properties for: street address, city, province, country, and postal code.

A. <c:set var='order' property='shipAddress'><jsp:getProperty name='client' property='homeAddress'/> </c:store>

B. <c:set target='${order}' property='shipAddress'><jsp:getProperty name='client' property='homeAddress'/></c:set>

C. <c:setProperty name='${order}' property='shipAddress'><jsp:getProperty name='client' property='homeAddress' /></c:setProperty>

D. <c:set target='${order}' property='shipAddress'value='${client.homeAddress}' />

E. <c:set var='order' property='shipAddress'value='${client.homeAddress}' />

F. <jsp:setProperty name='${order}' property='shipAddress'value='${client.homeAddress}' />

Answer(s): B,D

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13. Given a war file with the following structure

A. No filters will be executed.

B. MyFilter1

C. MyFilter2

D. MyFilter1 and MyFilter2

Answer(s): C

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14. A method call inside your servlet has thrown an IOException resulting from a lost network connection to a necessary resource. The servlet has determined that it will be unable to operate successfully for a few minutes, but expects to be able to resume operation after that period. How should this situation handled?

A. The servlet should retry the request until the method returns successfully.

B. The servlet should re-throw the exception to the web container.

C. The servlet should redirect to an error page that reports the exception message.

D. The servlet should throw an unavailableException to the web container.

E. The servlet should throw a servletException to the web container.

Answer(s): D

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15. All of your JSPs need to have a link that permits users to email the web master. This web application is licensed to many small businesses, each of which have a different email address for the web master. You have decided to use a context parameter that you specify in the deployment descriptor, like this:

A. contact us

B. contact us

C. contact us

D. contact us

Answer(s): A

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16. A cookie may be set to be an HttpOnly cookie. Setting a cookie to be HttpOnly results in (Choose two)

A. There is no such thing as an HttpOnly cookie

B. prevent certain types of cross-site scripting attacks

C. Does not work with https protocol

D. Client to not expose the cookie to client side scripting code

Answer(s): B,D

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17. You are building a web application with a scheduling component. On the JSP, you need to show the current date, the date of the previous week, and the date of the next week.

A. ${d:dateString [addWeek[curDate[], -]] }

B. ${d:dateString [d:addWeek[d:curDate[], - 1]] }

C. ${d:dateString (d:addWeek(d:curDate(), -1)) }

D. ${d:dateString(affWeek(curDate(), -1)) }

Answer(s): C

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18. A web application wants to expose to its clients an operation that results in a transaction being performed across several systems, for example the transfer of money from one bank account to another Which HTTP method should it use?

A. OPT IONS

B. GET

C. HEAD

D. POST

Answer(s): D

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19. Your web application uses a simple architecture in which servlets handle requests and then forward to a JSP using a request dispatcher. You need to pass information calculated in the servlet to the JSP for view generation. This information must NOT be accessible to any other servlet, JSP or session in the webapp.

A. Add attributes on the request object.

B. Add attributes to the session object.

C. Use the pageContext object to add request attributes.

D. Add parameters to the JSP's URL when generating the request dispatcher.

E. Add parameters on the request object.

Answer(s): A,D

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20. Which is a valid value for the enum EmptyRoleSemantic in Javax.servlet.annotation.ServletSecurity?

A. PERMIT

B. EXCLUDE

C. ALLOWALL

D. DENYALL

E. ADMIT

Answer(s): A