



**Exam Code:** 310-084

**Exam Name:** Sun Certified Web Component Developer for  
Java. EE5 Upgrade

**Vendor:** Sun

**Version:** DEMO

## Part: A

1: Given:

6. `<% int[] nums = {42, 420, 4200};`

7. `request.setAttribute("foo", nums); %>`

Which two successfully translate and result in a value of true? (Choose two.)

A. `${true or false}`

B. `${requestScope[foo][0] > 500}`

C. `${requestScope['foo'][1] = 420}`

D. `${(requestScope['foo'][0] lt 50) && (3 gt 2)}`

**Correct Answers: A D**

2: Given a web application in which the request parameter productID contains a product identifier.

Which two EL expressions evaluate the value of the productID? (Choose two.)

A. `${productID}`

B. `${param.productID}`

C. `${params.productID}`

D. `${params.productID[1]}`

E. `${paramValues.productID}`

F. `${paramValues.productID[0]}`

G. `${pageContext.request.productID}`

**Correct Answers: B F**

3: Given:

11. `<% java.util.Map map = new java.util.HashMap();`

12. `request.setAttribute("map", map);`

13. `map.put("a", "b");`

14. `map.put("b", "c");`

15. `map.put("c", "d"); %>`

16. `<%-- insert code here --%>`

Which three EL expressions, inserted at line 16, are valid and evaluate to "d"? (Choose three.)

A. `${map.c}`

B. `${map[c]}`

C. `${map["c"]}`

D. `${map.map.b}`

E. `${map[map.b]}`

F. `${map.(map.b)}`

**Correct Answers: A C E**

4: You are building a dating web site. The client's date of birth is collected along with lots of other information. You have created an EL function with the signature: `calcAge(java.util.Date):int` and it is assigned to the name, `age`, in the namespace, `funct`. In one of your JSPs you need to print a special message to clients who are younger than 25. Which EL code snippet will return true for this condition?

- A.`{calcAge(client.birthDate) < 25}`
- B.`{calcAge[client.birthDate] < 25}`
- C.`{funct:age(client.birthDate) < 25}`
- D.`{funct:age[client.birthDate] < 25}`
- E.`{funct:calcAge(client.birthDate) < 25}`
- F.`{funct:calcAge[client.birthDate] < 25}`

**Correct Answers: C**

5: Which EL expression evaluates to the request URI?

- A.`{requestURI}`
- B.`{request.URI}`
- C.`{request.getURI}`
- D.`{request.requestURI}`
- E.`{requestScope.requestURI}`
- F.`{pageContext.request.requestURI}`
- G.`{requestScope.request.requestURI}`

**Correct Answers: F**

6: Given a web application in which requests must have an HTTP header SEQUENCE that always contains two values, which EL expression will return the second value for the SEQUENCE header?

- A.`{header[2].SEQUENCE}`
- B.`{header.SEQUENCE[2]}`
- C.`{headers.SEQUENCE}[1]`
- D.`{headers.SEQUENCE[2]}`
- E.`{headers[1].SEQUENCE}`
- F.`{headerValues.SEQUENCE[1]}`
- G.`{headerValues.SEQUENCE}[2]`

**Correct Answers: F**

7: Given the function invocation expression `{my:reverse("42")}`, and that the function reverse is mapped into a Java method called reverse, which two are valid signatures for the Java method reverse? (Choose two.)

- A.`public int reverse(String val)`
- B.`public String reverse(String val)`
- C.`public static int reverse(String val)`
- D.`public static String reverse(int val)`
- E.`private static double reverse(double val)`
- F.`public int reverse(String value, String name)`
- G.`public static int reverse(int value, String name)`

**Correct Answers: C D**

8: A developer is designing the presentation tier for a web application that relies on a complex session bean. The session bean is still being developed and the APIs for it are NOT finalized. Any

changes to the session bean API directly impacts the development of the presentation tier. Which design pattern provides a means to manage the uncertainty in the API?

- A.View Helper
- B.Front Controller
- C.Composite View
- D.Intercepting Filter
- E.Business Delegate
- F.Chain of Responsibility

**Correct Answers: E**

9: A developer is designing a web application which extensively uses EJBs and JMS. The developer finds that there is a lot of duplicated code to build the JNDI contexts to access the beans and queues. Further, because of the complexity, there are numerous errors in the code. Which J2EE design pattern provides a solution for this problem?

- A.Command
- B.Transfer Object
- C.Service Locator
- D.Session Facade
- E.Business Delegate
- F.Data Access Object

**Correct Answers: C**

10: In an n-tier application, which two invocations are typically remote, not local? (Choose two.)

- A.JSP to Transfer Object
- B.Service Locator to JNDI
- C.Controller to request object
- D.Transfer Object to Entity Bean
- E.Controller to Business Delegate
- F.Business Delegate to Service Locator

**Correct Answers: B D**

11: A developer has created a special servlet that is responsible for generating XML content that is sent to a data warehousing subsystem. This subsystem uses HTTP to request these large data files, which are compressed by the servlet to save internal network bandwidth. The developer has received a request from management to create several more of these data warehousing servlets. The developer is about to copy and paste the compression code into each new servlet. Which design pattern can consolidate this compression code to be used by all of the data warehousing servlets?

- A.Facade
- B.View Helper
- C.Transfer Object
- D.Intercepting Filter
- E.Composite Facade

**Correct Answers: D**

12: Which two are characteristics of the Intercepting Filter pattern? (Choose two.)

- A.It provides centralized request handling for incoming requests.
- B.It forces resource authentication to be distributed across web components.
- C.It reduces coupling between presentation-tier clients and underlying business services.
- D.It can be added and removed unobtrusively, without requiring changes to existing code.
- E.It allows preprocessing and postprocessing on the incoming requests and outgoing responses.

**Correct Answers: D E**

13: A developer is designing a multi-tier web application and discovers a need to log each incoming client request. Which two patterns, taken independently, provide a solution for this problem? (Choose two.)

- A.Transfer Object
- B.Service Locator
- C.Front Controller
- D.Intercepting Filter
- E.Business Delegate
- F.Model-View-Controller

**Correct Answers: C D**

14: A developer is designing a multi-tier web application and discovers a need to hide the details of establishing and maintaining remote communications from the client. In addition, the application needs to find, in a transparent manner, the heterogeneous business components used to service the client's requests. Which design patterns, working together, address these issues?

- A.Business Delegate and Transfer Object
- B.Business Delegate and Service Locator
- C.Front Controller and Business Delegate
- D.Intercepting Filter and Transfer Object
- E.Model-View-Controller and Intercepting Filter

**Correct Answers: B**

15: A developer is designing the presentation tier for a web application which requires a centralized request handling to complete common processing required by each request. Which design pattern provides a solution to this problem?

- A.Remote Proxy
- B.Front Controller
- C.Service Activator
- D.Intercepting Filter
- E.Business Delegate
- F.Data Access Object

**Correct Answers: B**