

REVIEW QUESTIONS

1. Which of the following is a valid use of the `<jsp:useBean>` action? (Select one)

- a `<jsp:useBean id="address" class="chapter14.AddressBean" />`
- b `<jsp:useBean name="address" class="chapter14.AddressBean"/>`
- c `<jsp:useBean bean="address" class="chapter14.AddressBean" />`
- d `<jsp:useBean beanName="address" class="chapter14.AddressBean" />`

2. Which of the following is a valid way of getting a bean's property? (Select one)

- a `<jsp:useBean action="get" id="address" property="city" />`
- b `<jsp:getProperty id="address" property="city" />`
- c `<jsp:getProperty name="address" property="city" />`
- d `<jsp:getProperty bean="address" property="*" />`

3. Which of the following are valid uses of the `<jsp:useBean>` action? (Select two)

- a `<jsp:useBean id="address" class="chapter14.AddressBean" name="address" />`
- b `<jsp:useBean id="address" class="chapter14.AddressBean" type="AddressBean" />`
- c `<jsp:useBean id="address" beanName="AddressBean" class="chapter14.AddressBean" />`
- d `<jsp:useBean id="address" beanName="AddressBean" type="AddressBean" />`

4. Which of the following gets or sets the bean in the `ServletContext` container object? (Select one)

- a `<jsp:useBean id="address" class="chapter14.AddressBean" />`
- b `<jsp:useBean id="address" class="chapter14.AddressBean" scope="application" />`
- c `<jsp:useBean id="address" class="chapter14.AddressBean" scope="servlet" />`
- d `<jsp:useBean id="address" class="chapter14.AddressBean" scope="session" />`
- e None of the above

5. Consider the following code:

```
<html><body>
<jsp:useBean id="address" class="chapter14.AddressBean"
scope="session" />
state = <jsp:getProperty name="address" property="state" />
</body></html>
```

Which of the following are equivalent to the third line above? (Select three)

```

a <% state = address.getState(); %>
b <% out.write("state = "); out.print(address.getState()); %>
c <% out.write("state = "); out.print(address.getstate()); %>
d <% out.print("state = " + address.getState()); %>
e state = <%= address.getState() %>
f state = <%! address.getState(); %>

```

6. Which of the options locate the bean equivalent to the following action? (Select three)

```

<jsp:useBean id="address" class="chapter14.AddressBean"
scope="request" />

```

```

a request.getAttribute("address");
b request.getParameter("address");
c getServletContext().getRequestAttribute("address");
d pageContext.getAttribute("address", PageContext.REQUEST_SCOPE);
e pageContext.getRequest().getAttribute("address");
f pageContext.getRequestAttribute("address");
g pageContext.getRequestParameter("address");

```

7. Consider the following code for address.jsp:

```

<html><body>
<jsp:useBean id="address" class="chapter14.AddressBean" />
<jsp:setProperty name="address" property="city" value="LosAngeles" />
<jsp:setProperty name="address" property="city" />
<jsp:getProperty name="address" property="city" />
</body></html>

```

What is the output if the above page is accessed via the URL

```
http://localhost:8080/chap14/address.jsp?city=Chicago&city=Miami
```

Assume that the city property is not an indexed property. (Select one)

```

a LosAngeles
b Chicago
c Miami
d ChicagoMiami
e LosAngelesChicagoMaimi
f It will not print anything because the value will be null or "".

```

8. Consider the following code:

```

<html><body>

<{%>
<jsp:useBean id="address" class="chapter14.AddressBean"
scope="session" />

```

```

<{%}%>

//1

</body></html>

```

Which of the following can be placed at line //1 above to print the value of the street property? (Select two)

- a** `<jsp:getProperty name="address" property="street" />`
- b** `<% out.print(address.getStreet()); %>`
- c** `<%= address.getStreet() %>`
- d** `<%= ((AddressBean)session.getAttribute("address")).getStreet() %>`
- e** None of the above; the bean is nonexistent at this point.

9. Consider the following code:

```

<html><body>

<{%}%>
<jsp:useBean id="address" class="chapter14.AddressBean"
scope="session" />
<{%}%>

<jsp:useBean id="address" class="chapter14.AddressBean"
scope="session" />
<jsp:getProperty name="address" property="street" />

</body></html>

```

Which of the following is true about the above code? (Select one)

- a** It will give translation-time errors.
- b** It will give compile-time errors.
- c** It may throw runtime exceptions.
- d** It will print the value of the street property.

10. Consider the following servlet code:

```

//...

public void service (HttpServletRequest request,
                    HttpServletResponse response)
    throws IOException, ServletException
{
    //1
}

```

Which of the following can be used at //1 to retrieve a JavaBean named address present in the application scope? (Select one)

- a** `getServletContext().getAttribute("address");`
- b** `application.getAttribute("address");`

- c request.getAttribute("address",APPLICATION_SCOPE);
- d pageContext.getAttribute("address",APPLICATION_SCOPE);

11. Consider the following code, contained in a file called `this.jsp`:

```
<html><body>
<jsp:useBean id="chapter14.address" class="AddressBean" />
<jsp:setProperty name="address" property="*" />
<jsp:include page="that.jsp" />
</body></html>
```

Which of the following is true about the `AddressBean` instance declared in this code? (Select one)

- a The bean instance will not be available in `that.jsp`.
 - b The bean instance may or may not be available in `that.jsp`, depending on the threading model implemented by `that.jsp`.
 - c The bean instance will be available in `that.jsp`, and the `that.jsp` page can print the values of the bean's properties using `<jsp:getProperty />`.
 - d The bean instance will be available in `that.jsp` and the `that.jsp` page can print the values of the bean's properties using `<jsp:getProperty />` only if `that.jsp` also contains a `<jsp:useBean/>` declaration identical to the one in `this.jsp` and before using `<jsp:getProperty/>`.
12. Consider the following code contained in a file named `this.jsp` (the same as above, except the fourth line):

```
<html><body>
<jsp:useBean id="address" class="chapter14.AddressBean" />
<jsp:setProperty name="address" property="*" />
<%@ include file="that.jsp" %>
</body></html>
```

Which of the following is true about the `AddressBean` instance declared in the above code? (Select one)

- a The bean instance will not be available in `that.jsp`.
- b The bean instance may or may not be available in `that.jsp`, depending on the threading model implemented by `that.jsp`.
- c The bean instance will be available in `that.jsp`, and the `that.jsp` page can print the values of the bean's properties using `<jsp:getProperty />`.
- d The bean instance will be available in `that.jsp`, and the `that.jsp` page can print the values of the bean's properties using `<jsp:getProperty />` only if `that.jsp` also contains a `<jsp:useBean/>` declaration identical to the one in `this.jsp` and before using `<jsp:getProperty/>`.