



## Fw: Java Summative

1 message

**Jagadeeswaran** <rjagadeeswaran@yahoo.com>  
Reply to: rjagadeeswaran@yahoo.com <rjagadeeswaran@yahoo.com>  
To: ss220298@gmail.com <ss220298@gmail.com>

Tue, 29 Oct, 2019 at 5:59 PM

Sent from Yahoo Mail on Android

----- Forwarded message -----

**From:** "Jagadeeswaran" <rjagadeeswaran@yahoo.com>  
**To:** "Siva Kumar" <sivakumaros2004@gmail.com>  
**Cc:**  
**Sent:** Wed, 15 May 2019 at 9:11 PM  
**Subject:** Fw: Java Summative

Sent from Yahoo Mail on Android

----- Forwarded Message -----

**From:** "Jagadees waran" <rjagadeeswaran@gmail.com>  
**To:** "rjagadeeswaran@yahoo.com" <rjagadeeswaran@yahoo.com>, "Jagadees waran" <rjagadeeswaran@gmail.com>  
**Sent:** Thu, Mar 15, 2018 at 4:32 pm  
**Subject:** Java Summative

1) Carefully read the question and answer accordingly.  
Which two of the following statements correctly store an object associated with a name at a place where all the servlets/JSPs of the same webapp participating in a session can use it?  
(Assume that request, response, name, value etc. are references to objects of appropriate types.)  
1.response.setAttribute(name, value)  
2.getServletContext().setAttribute(name, value)  
3.request.setAttribute(name, value)  
4.request.getSession().setAttribute(name, value)  
5.request.setParameter(name, value)

- A. 1&2
- B. 1&3
- C. 2&3
- D. 2&4
- E. 1&4

Correct Answer: D

2) Carefully read the question and answer accordingly.  
Consider the following servlet code segment:  
`HttpSession session = request.getSession(true);  
session.setAttribute("name", "Cognizant");  
session.invalidate(0);  
if (session.isNew())  
{ System.out.println(session.getAttribute("name");  
} else { System.out.println(session.isNew());`

}

What is the output of the above code segment ?

- A. Displays "Cognizant" always
- B. Displays "false" always
- C. Throws exception
- D. Depends on whether the session is newly created or not

Correct Answer: C

3) Carefully read the question and answer accordingly.

Consider the following code for an HTML form.

```
<form action="/servlet/Login">  
<input type="text" name="username" value="enter username"/>  
<input type="submit" name="sbutton" value="signin!.."/>  
</form>
```

Which of the following happens upon pressing the submit button in the above form?

- 1.A request is sent with the HTTP method GET.
- 2.A request is sent with the HTTP method POST.
- 3.The parameter username is the only parameter passed to the web server in the request.
- 4.The parameters username and sbutton are passed to the web server in the request URL.

- A. 1&2
- B. 1&3
- C. 2&3
- D. 2&4
- E. 1&4

Correct Answer:

4) Carefully read the question and answer accordingly.

Consider the following code snippet:

```
ServletContext sc = this.getServletContext();  
RequestDispatcher dis = sc.getRequestDispatcher("/menu.jsp");  
if (dis != null){  
dis.include(request, response);  
}
```

```
PrintWriter out = response.getWriter();
```

```
out.print("Output after menu.jsp");
```

Which one of the following will be the correct outcome when the above lines are executed?

- A. Compilation and output of the contents of menu.jsp only
- B. Compilation and output of the contents of menu.jsp followed by "Output after menu.jsp"
- C. Compilation error
- D. Compilation, but runtime error, the buffer has been flushed

Correct Answer: B

5) Carefully read the question and answer accordingly.

Which of the following options can be used by the controller to destroy a session of a web application immediately?

- A. By using the invalidate() method
- B. By setting the session-timeout parameter in the web.xml file to 1 minute
- C. By setting the setMaxInactiveInterval() method period to 60 seconds

D. By using the destroy() method

Correct Answer: A

6) Carefully read the question and answer accordingly.

Given an HttpServletRequest request:

22. String id = request.getParameter("jsessionId");

23. // insert code here

24. String name = (String) session.getAttribute("name");

Which statement can be placed at line 23 to retrieve an existing HttpSession object?

- A. HttpSession session = request.getSession(id);
- B. HttpSession session = request.getSession(true);
- C. HttpSession session = request.getSession("jsessionid");
- D. None of the listed options

Correct Answer: B

7) Carefully read the question and answer accordingly.

Consider the following deployment descriptor(web.xml)file:

```
<session-config>
```

```
<session-timeout>
```

```
30
```

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

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

Then, in the Servlet program code setMaxInactiveInterval(600)(seconds) for the session object is invoked. After how long would session expire? Select one answer from the following.

- A. 30 minutes
- B. 10 minutes
- C. Gives illegalStateException
- D. None of the listed options

Correct Answer: B

8) Carefully read the question and answer accordingly.

Which of the following is the deployment descriptor file of a web application? Assuming that the name of the Web application is BankApp.

- A. BankApp.xml
- B. WebApp.xml
- C. deployment.xml
- D. web.xml

Correct Answer: D

9) Carefully read the question and answer accordingly.

Martin has created a Web application in which a servlet stores a JDBC URL as an attribute of the session object to access a database. He wants other servlets of the application to retrieve the URL attribute from the session object to access the database. Which of the following code snippets can Martin use to retrieve the URL from the session object?

- A. HttpSession session = request.getSession(); String url =(String)session.getAttribute("URL");

- B. `HttpSession session = request.getSession(); String url =session.getAttribute("URL");`
- C. `String url =(String)session.getSession("URL");`
- D. `HttpServletRequest session = request.getSession(); String url =(String)session.getAttribute("URL");`

Correct Answer: A

10) Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: GenericServlet is an abstract class

Statement B: GenericServlet internally implements Servlet interface

Which of the following is true about these statements?

- A. Statement A is true and statement B is true.
- B. Statement A is true and statement B is false.
- C. Statement A is false and statement B is true.
- D. Statement A is false and statement B is false.

Correct Answer: A

11) Carefully read the question and answer accordingly.

You being a software developer needs to develop a web application for your organization. You decided to use servlets to create the web application. While you are creating the servlet you feel the need to write the code for the initialization of the servlet. This is needed to initialize the servlet with the required data after the servlet instance has been created. How will you perform this task?

- A. By overriding the service method in the servlet class.
- B. By overriding the init method in the servlet class.
- C. By overriding the destroy method in the servlet class.
- D. By overriding the doGet method in the servlet class.

Correct Answer: B

12) Carefully read the question and answer accordingly.

Manoj has created the Hello servlet that displays Welcome in the browser window. The code of the servlet is:

```
package myworld;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletConfig;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class hello extends HttpServlet
{
    protected void doGet(HttpServletRequest request HttpServletResponse response) throws ServletException
    IOException
    {
        PrintWriter out = response.getWriter();
        out.println("<html>");
        out.println("<head>");
        out.println("<title>My Servlet</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<h>WELCOME</h>");
        out.println("</body>");
        out.println("</html>");
        out.close();
    }
}
```

```
}  
}
```

Which of the following code snippets correctly defines the deployment descriptor for the preceding servlet?

- A. `<servlet> <servlet-name>hello</servlet-name> <servlet-class>hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>`
- B. `<servlet> <servlet-name>hello</servlet-name> <servlet-class>myworld.hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>`
- C. `<servlet> <servlet-name>myworld.hello</servlet-name> <servlet-class>hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>`
- D. `<servlet> <servlet-name>hello</servlet-name> <servlet-class>myworld.hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>hello</url-pattern> </servlet-mapping>`

Correct Answer: B

13) Carefully read the question and answer accordingly.

Which of the following codes will allow the user to load the servlet using form. The form should first display submit button and when the user clicks on submit button it should load the servlet called myservlet?

- A. `<HTML> <BODY> <FORM ACTION=http://localhost:8080/servlet/myservlet METHOD=GET> </FORM> </BODY> </HTML>`
- B. `<HTML> <BODY> <FORM ACTION=http://localhost:8080/servlet/myservlet METHOD=GET> <INPUT TYPE=SUBMIT VALUE=SUBMIT> </FORM> </BODY> </HTML>`
- C. `<HTML> <BODY> <INPUT TYPE=SUBMIT VALUE=SUBMIT> </FORM> </BODY> </HTML>`
- D. `<HTML> <BODY> <FORM ACTION=http://localhost:8080/servlet METHOD=GET> <INPUT TYPE=SUBMIT VALUE=SUBMIT> </FORM> </BODY> </HTML>`

Correct Answer: B

14) Carefully read the question and answer accordingly.

Select the code to chain a servlet with another servlet

- A. `RequestDispatcher dispatcher = request.getRequestDispatcher("Servlet2"); dispatcher.forward(req, resp);`
- B. `RequestDispatcher dispatcher = request.getRequestDispatcher("Servlet2"); dispatcher.dispatch(req, resp);`
- C. `RequestDispatcher dispatcher = request.getRequestDispatcher("Servlet2"); dispatcher.chain(req, resp);`
- D. `request.sendRedirect("Servlet2");`

Correct Answer: A

15) Carefully read the question and answer accordingly.

Mahesh has observed that some users are able to directly access the content files stored in the Web application from the Web browser. Which of the following options should Mahesh use to prevent the users from directly accessing the content files?

- A. By storing the content files under the dist directory
- B. By storing the content files under the META-INF directory
- C. By storing the content files under the WEB-INF directory
- D. By storing the content files under the INF directory

Correct Answer: C

16) Carefully read the question and answer accordingly.

Which of the following is an interface that gets data from the client and sends it to the servlet?

- A. ServletRequest
- B. ServletResponse
- C. PrintStream
- D. ServletConfig

Correct Answer: A

17) Carefully read the question and answer accordingly.

Whenever a request goes from the client to the server some additional information other than the request is also passed to the server. This additional information is in the form of a \_\_\_\_\_.

- A. footer
- B. header
- C. Application ID
- D. Session ID

Correct Answer: B

18) Carefully read the question and answer accordingly.

Which of the following is / are true about a firewall server?

- A. Firewall server mainly focusses on network security within a LAN
- B. One of the key tasks of firewall is routing between a cluster of servers
- C. A Proxy server can be a firewall server
- D. Based on rules set, the firewall server will filter the incoming requests over internet
- E. A firewall server will add security tokens to the requests before passing to destination server

Correct Answer: C & D

19) Carefully read the question and answer accordingly.

HTTP cannot save state information between one request and other

- A. TRUE
- B. FALSE

Correct Answer: A

20) Carefully read the question and answer accordingly.

If the application is associated with JDK, it will lead to lighter memory footprint compared associating the application to JRE

- A. TRUE
- B. FALSE

Correct Answer: B

21) Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: Modules of Java code run in a server application is called Applet

Statement B: Modules of Java code run at client side is called Servlet  
Which of the following is true about these statements?

- A. Statement A is true and statement B is true.
- B. Statement A is true and statement B is false.
- C. Statement A is false and statement B is true.
- D. Statement A is false and statement B is false.

Correct Answer: D

22) Carefully read the question and answer accordingly.  
Which method can be used to submit form data that should not be exposed for viewing?

- A. PUT
- B. GET
- C. POST
- D. REQUEST

Correct Answer: C

23) Carefully read the question and answer accordingly.  
Which of the following is NOT TRUE for the servlet?

- A. Servlets are Platform Independent.
- B. Servlets are robust and object oriented.
- C. Servlets only contains business logic.
- D. Each request in servlet runs in separate thread.

Correct Answer: C

24) Carefully read the question and answer accordingly.  
While architecting a system, if "minimum down time" is the primary expected behavior of the system, the system architecture should be based on -----

- A. Firewall
- B. Cluster
- C. Application Servers
- D. Proxy Server

Correct Answer: B

25) Carefully read the question and answer accordingly.  
Consider the following statements:  
Statement A: A resource is passive when it does not have any processing of its own.  
Statement B: The content of a passive resource does not change.  
Which of the following is true about these statements?

- A. Statement A is true and statement B is true.
- B. Statement A is true and statement B is false.
- C. Statement A is false and statement B is true.
- D. Statement A is false and statement B is false.

Correct Answer: A

26) Carefully read the question and answer accordingly.  
Which of the following is / are true about the layered architecture style?

- A. Layered architecture separates the functionalities to individual layers, thereby improving maintainability & reusability
- B. Testing the communication across multiple layers is complex
- C. Layered architecture can be used to increase or decrease the level of abstraction between layers
- D. Development will be slower, because more layers to code & integration cost is higher

Correct Answer: A & C

27) Carefully read the question and answer accordingly.  
HttpServletRequest is a sub interface of \_\_\_\_\_.

- A. HttpRequest
- B. ServletRequest
- C. HttpServlet
- D. It is not a sub-interface

Correct Answer: B

28) Carefully read the question and answer accordingly.  
HTTP protocol allows asynchronous transactions between a client and server

- A. TRUE
- B. FALSE

Correct Answer: A

29) Carefully read the question and answer accordingly.  
The proposed web application need to access two databases, for performing the business operations. Which of the API in J2EE package will support to achieve this functionality?

- A. JNDI
- B. JTA
- C. JPA
- D. JMS

Correct Answer: B

30) Carefully read the question and answer accordingly.  
A server will serve a request. Application Server handles request that needs dynamic content, whereas a web server will handle the request for static content.

- A. TRUE
- B. FALSE



Correct Answer: A

31) Carefully read the question and answer accordingly.  
Which of the following is applicable to Servlet Containers?

- A. These are specialized Web servers, which support servlet execution
- B. These are responsible for managing the lifecycle of servlets, mapping a URL (Universal Resource Locator) to a particular servlet, and ensuring that the URL requester has got the correct access rights
- C. These are also referred to as Web containers or Web engines.
- D. All of the listed options

Correct Answer: D

32) Carefully read the question and answer accordingly.  
Which of the following can be considered as role(s) of a deployment descriptor in a .war or .ear modules?

- A. provides security information of the application
- B. to provide the configuration details on how the web server should use them to serve the incoming requests
- C. to provide listener information to notify certain classes when some events (like session creation) happen
- D. has to list down the external API's which are used in the web application

Correct Answer: A, B & C

33) Carefully read the question and answer accordingly.  
Which of the following methods are not implemented by the RequestDispatcher interface?

- 1.redirect()
- 2.forward()
- 3.include()
- 4.dispatch()

- A. 1&2
- B. 3&4
- C. 2&3
- D. 1&4

Correct Answer: D

34) Carefully read the question and answer accordingly.  
If 1000 users are accessing SampleServlet how many actual object of servlets exist in web container?

- A. 1000
- B. 1
- C. 10

Correct Answer: B

35) Carefully read the question and answer accordingly.  
In "n-tier" architecture style, the layers of a web application reside over multiple physical computers.

- A. TRUE

B. FALSE

Correct Answer: A

36) Carefully read the question and answer accordingly.  
Which of the following tag is NOT a part of the web.xml file?

- A. <servlet>
- B. <action>
- C. <param-name>
- D. <param-value>

Correct Answer: B

37) Carefully read the question and answer accordingly.  
A web application contains images to be displayed across the UI screens. In a typical production environment, where these images will be deployed?

- A. Application Server
- B. Web Server
- C. Proxy Server
- D. Will be bundled inside the application, hence no need to deploy individually
- E. None of the above

Correct Answer: B

38) Carefully read the question and answer accordingly.  
For every HTTP request, static contents will be served by a web server, whereas if dynamic content is requested, web server forwards the request to application server.

- A. TRUE
- B. FALSE

Correct Answer: A

39) Carefully read the question and answer accordingly.  
Always the enterprise archive (EAR) files will be deployed in a web container

- A. TRUE
- B. FALSE

Correct Answer: B

40) Carefully read the question and answer accordingly.  
The method `getWriter()` of `HttpServletResponse` returns an object of type \_\_\_\_\_.

- A. `HttpServletRequest`
- B. `PrintWriter`
- C. `ServletContext`
- D. `ServletConfig`

Correct Answer: B

41) Carefully read the question and answer accordingly.

Which of the following Java EE containers manages the execution of enterprise beans for Java EE applications?

- A. EJB container
- B. Web container
- C. Application client container
- D. Applet container

Correct Answer: A

42) Carefully read the question and answer accordingly.

A proxy server will allow to cache web pages in your computer

- A. TRUE
- B. FALSE

Correct Answer: A

43) Carefully read the question and answer accordingly.

Which are lifecycle methods of Servlet Interface?

- 1. public abstract void init(ServletConfig config)
- 2. public abstract void service(ServletRequest req, ServletResponse res)
- 3. public abstract void destroy(ServletContext)
- 4. public abstract void destroy()

- A. 1&2&3
- B. 2&3&4
- C. 1&2&4
- D. 3&2
- E. 3&4

Correct Answer: C

44) Carefully read the question and answer accordingly.

Websphere Application server is a open source server

- A. TRUE
- B. FALSE

Correct Answer: B

45) Carefully read the question and answer accordingly.

Which of the following is / are true about web applications?

- A. web application provides cross platform compatibility
- B. Little or no disk space is required on the client

- C. Web applications allows the users to invoke from any device like mobile phones, tablets that has browsers
- D. To access the application, the device like mobile phones, tablets, computers need to open the port for connectivity to web server

Correct Answer: A, B & C

46) Carefully read the question and answer accordingly.

If the proposed system to be developed to handle concurrent user requests, with reduced turn-around time & resource usage, then the architecture should employ -----

- A. Firewall
- B. Load Balancer
- C. Application Servers
- D. Web Server

Correct Answer: B

47) Carefully read the question and answer accordingly.

URL and URN are one and the same

- A. TRUE
- B. FALSE

Correct Answer: B

48) Carefully read the question and answer accordingly.

Which of the following code line will destroy a session?

- A. `session.isAlive = false;`
- B. `session.isNew(false)`
- C. `session.invalidate()`
- D. `session.removeSession()`

Correct Answer: C

49) Carefully read the question and answer accordingly.

Which of the following techniques are used to track session?

- A. URL rewriting
- B. Cookies
- C. Hidden Field
- D. All of the listed options

Correct Answer: D

50) Carefully read the question and answer accordingly.

Mark is developing a web based application. The home page is a servlet that accepts the user name and password. Mark does not want the user to enter the username every time he logs into the website. He wants to find a way to store the value on the user's machine. Which method should he use so that the value gets stored on the user's machine?

- A. `getCookie()`
- B. `addCookie()`
- C. `addSession()`
- D. `getSession()`

Correct Answer: B

51) Carefully read the question and answer accordingly.  
HTTP is stateful protocol which maintains clients state automatically. State True or False.

- A. FALSE
- B. TRUE

Correct Answer: A

52) Carefully read the question and answer accordingly.  
Which of the following method of the `HttpServletRequest` object is used to get the clients session information in the `HttpSession` object?

- A. `putValue()`
- B. `doPost()`
- C. `getSession()`
- D. `getValue()`

Correct Answer: C

53) Carefully read the question and answer accordingly.  
Which statements about session timeouts are true?

- A. Session timeout declarations made in the `DD(web.xml)` can specify time in seconds.
- B. Session timeout declarations made in the `DD(web.xml)` can specify time in minutes.
- C. Session timeout declarations made programmatically can specify time only in seconds.
- D. Session timeout declarations made programmatically can specify time either in minutes or seconds.

Correct Answer: B

54) Carefully read the question and answer accordingly.  
A container does not initialize the servlets as soon as it starts up, it initializes a servlet when it receives a request for that servlet first time. This is called lazy loading.State True or False.

- A. TRUE
- B. FALSE

Correct Answer: A

55) Carefully read the question and answer accordingly.  
Which method of `HttpSession` interface is used for specifying the length of inactive interval for a session object?

- A. `setMaxInterval()`
- B. `setMaxInactiveInterval()`
- C. `setMaxInactive_interval()`
- D. `setInactiveInterval()`

Correct Answer: B

56) Carefully read the question and answer accordingly.  
Which of the following listeners are invoked when a session is created?

- A. `HttpSessionBindingListener`
- B. `HttpListener`
- C. `HttpSessionListener`
- D. `HttpSessionAttributeListener`

Correct Answer: C

57) Carefully read the question and answer accordingly.  
Given that URL-rewriting must be used for session management, identify the query string attribute used when URL-rewriting.

- A. `sessionid`
- B. `jsessionid`
- C. `servletid`
- D. `containerid`

Correct Answer: B

58) Carefully read the question and answer accordingly.  
Which two of the following are true statements about sessions?

1. Sessions are destroyed only after a predefined period of inactivity
2. Sessions can span web applications
3. Sessions can be cloned across JVMs
4. You can use the deployment descriptor to cause sessions to expire after a set number of requests
5. Sessions can be set to never time out

- A. 1&2
- B. 1&3
- C. 2&3
- D. 3&5
- E. 1&5

Correct Answer: D

59) Carefully read the question and answer accordingly.  
How can an existing session in servlet can be destroyed ?

1. programmatically using `session.invalidate()`
2. by calling `session.service()` method
3. by closing the browser
4. when the server itself is shut down

- A. 1&2
- B. 1&3

- C. 2&3
- D. 2&4
- E. 1&4

Correct Answer:

60) Carefully read the question and answer accordingly.

Servlet A receives a request that it forwards to servlet B within another web application in the same web container. Servlet A needs to share data with servlet B and that data must not be visible to other servlets in A's web application. In which object can the data that A shares with B be stored?

- A. HttpSession
- B. HttpServletResponse
- C. ServletContext
- D. HttpServletRequest

Correct Answer: D

61) Carefully read the question and answer accordingly.

Choose the valid option for creating session object and to add a attribute "BOOKID" into session object.

- A. `public void doGet(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException { HttpSession session = req.getSession(); session.setAttribute("BookID","Core Java"); }`
- B. `public void doGet(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException { session = req.getSession(); session.getAttribute("BookID","Core Java"); }`
- C. `public void doGet(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException { Session session = req.getSession(); session.setAttribute("BookID","Core Java"); }`
- D. None of the listed options

Correct Answer: A

62) Carefully read the question and answer accordingly.

How do you create a session?

- A. `request.getSession()`
- B. `request.createSession()`
- C. `request.getSessionObject()`
- D. `request.makeSession()`

Correct Answer: A

63) Carefully read the question and answer accordingly.

In which of these following `getAttribute()` and `setAttribute()` method has defined?

1. HttpSession
2. ServletRequest
3. ServletResponse
4. HttpListener

- A. 1&3
- B. 2&3
- C. 1&2
- D. 3&4

Correct Answer: C

64) Carefully read the question and answer accordingly.

Which of the following Listener can get context init parameter and run some code before rest of the application can service a client?

- A. ServletContextAttributeListener
- B. ServletContextListener
- C. HttpSessionListener
- D. None of the listed options

Correct Answer: B

65) Carefully read the question and answer accordingly.

If you want to know when a request attribute has been removed,added or replaced, then which listener is the appropriate one?

- A. ServletRequestListener
- B. ServletRequestAttributeListener
- C. HttpRequestListener
- D. None of the listed options

Correct Answer: B

66) Carefully read the question and answer accordingly.

Which of the following Listener is used to track number of active sessions or users?

- A. ServletRequestListener
- B. ServletRequestListener
- C. HttpSessionListener
- D. HttpSessionBindingListener

Correct Answer: C

67) Carefully read the question and answer accordingly.

Which one is required as a sub-element of listener tag in Deployment Descriptor?

- A. <listener-type>
- B. <listener-class>
- C. <listener-attribute>
- D. None of the listed options

Correct Answer: B

68) Carefully read the question and answer accordingly.

Sam is writing a web application program. He has implemented ServletContextListener interface in his web application program. Which method of ServletContextListener interface he should use to perform startup activities for web application?

- A. init()



- B. `initiateContext()`
- C. `contextInitialized()`
- D. `start()`

Correct Answer: C

69) Carefully read the question and answer accordingly.

How will you retrieve the first value of request parameter "fname"?

- 1. `${param.fname}`
- 2. `${requestParams.fname}`
- 3. `${requestScope.fname}`
- 4. `${paramValues.fname[0]}`

- A. 1&3
- B. 2&3
- C. 1&2
- D. 1&4

Correct Answer: D

70) Carefully read the question and answer accordingly.

How will you access a servlet context initialization parameter named "company-name"?

- A. `${init.company-name}`
- B. `${init['company-name']}`
- C. `${initParam["company-name"]}`
- D. `${contextParam.company-name}`

Correct Answer: C

71) Carefully read the question and answer accordingly.

Which of following are EL implicit objects?

- 1. `pageContext`
- 2. `parameter`
- 3. `parameterValues`
- 4. `header`
- 5. `session`

- A. 1&4
- B. 2&4
- C. 3&4
- D. 4&5
- E. 1&5

Correct Answer: A

72) Carefully read the question and answer accordingly.

What is the syntax of Expression Language in a JSP page?

- A. `${expr}`
- B. `#{expr}`
- C. `${"expr"}`
- D. `$[expr]`

Correct Answer: A

73) Carefully read the question and answer accordingly.  
Predict output of Expression Language  $\${7*k}$  if k is null:

- A. null
- B. 7
- C. error

Correct Answer: A

74) Carefully read the question and answer accordingly.  
Expression Language treats null values as "zero" In arithmetic operations.State True or False.

- A. TRUE
- B. FALSE

Correct Answer: A

75) Carefully read the question and answer accordingly.  
Consider the following servlet code segment:

```
Map map = new HashMap();
map.put("a", "1");
map.put("b", "2");
map.put("c", "3");
map.put("d", "4");
request.setAttribute("map", map);
String[] names = {"a", "b", "c", "d"};
request.setAttribute("names", names);
What does  $\${map[names[0]]}$  return?
```

- A. a
- B. Nothing will be displayed
- C. 1
- D. None of the listed options

Correct Answer: C

76) Carefully read the question and answer accordingly.  
<%

```
List list=new ArrayList();
list.add("a");
list.add("2");
list.add("c");
request.setAttribute("list",list);
request.setAttribute("number","1");
%>
```

Based on the above code segment, which of the following will display "c"?

- 1.  $\${list[2]}$
- 2.  $\${list.2}$
- 3.  $\${list[number+1]}$
- 4.  $\${list.3}$

- A. 1&3
- B. 2&3
- C. 2&4
- D. 3&4

Correct Answer: A

77) Carefully read the question and answer accordingly.  
Which of the following EL implicit objects is not a Map?

- A. requestScope
- B. initParam
- C. headerValues
- D. pageContext

Correct Answer: D

78) Carefully read the question and answer accordingly.  
Code to get the value of "address" request parameter is:

- A. \${param.address}
- B. \${Values.address}
- C. \${request.address}
- D. None of the listed options

Correct Answer: A

79) Carefully read the question and answer accordingly.  
Choose valid expression language statement for accessing textfield elements whose name is userid.

- A. #{param.userid}
- B. \${param.userid}
- C. request.getParameter("userid");
- D. None of the listed options

Correct Answer: B

80) Carefully read the question and answer accordingly.  
Consider the code segment given below:

```
List list = new ArrayList();  
list.add("1");  
list.add("2");  
list.add("3");  
list.add("4");  
request.setAttribute("list", list);  
String[] names = {"a", "b", "c", "d", "e"};  
What will ${names[list[0] + 1]} display?
```

- A. a,b
- B. b
- C. c

D. a,b,c

Correct Answer: C

81) Carefully read the question and answer accordingly.

Select correct options with respect to Expression Language (EL) used in JSP

- 1.The purpose of EL is to make a JSP script free
- 2.EL is a simple and powerful replacement of Standard Actions
- 3.EL is enabled in a JSP by default
- 4.EL stands for Extended Language

- A. 1&2
- B. 1&2&3
- C. 2&3
- D. 1&2&4
- E. 2&3&4

Correct Answer: B

82) Carefully read the question and answer accordingly.

You have a map named "carMap" with a key named "Ford". Select correct EL syntaxes to print the value of this key.

- 1.\${carMap.Ford}
- 2.\${carMap.[Ford]}
- 3.\${carMap["Ford"]}
- 4.\${carMap[Ford]}

- A. 1&2
- B. 1&3
- C. 2&3
- D. 2&4
- E. 1&4

Correct Answer: B

83) Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: A tag library descriptors an XML document that contains information about a library as a whole and about each tag contained in the library.

Statement B: TLDs are used by a Web container to validate the tags used by JSP page development tools.

Which of the following is true about these statements?

- A. Statement A is true and statement B is true.
- B. Statement A is true and statement B is false.
- C. Statement A is false and statement B is true.
- D. Statement A is false and statement B is false.

Correct Answer: A

84) Carefully read the question and answer accordingly.

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<taglib xmlns="http://java.sun.com/xml/ns/j2ee" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee web-jsp-taglibrary_2_0.xsd" version="2.0">
```

```
<tlb-version>2.0</tlb-version>
```

```

<short-name>SimpleTagForLearning</short-name>
<uri>testuri</uri>
<tag>
<name>helloworld</name>
<tag-class>com.cts.MyTagHandler</tag-class>
<body-content>empty</body-content>
<attribute>
  <name>attrb</name>
  <required>true</required>
  <rtexprvalue>true</rtexprvalue>
</attribute>
</tag>
</taglib>

```

For above mentioned .tld select correct tag usage option in JSP page.

- A. `<%@ taglib prefix="pre" uri="testuri" %> <html> <head> <title>Demo on helloworldCustom tag</title> </head> <h1> <pre:helloworld/> </h1> </html>`
- B. `<%taglib prefix="pre" uri="testuri" %> <html> <head> <title>Demo on helloworldCustom tag</title> </head> <h1> <pre:helloworld attrb="John"> </h1> </html>`
- C. `<%@ taglib prefix="pre" uri="testuri" %> <html> <head> <title>Demo on helloworldCustom tag</title> </head> <h1> <pre:helloworld attrb="John"/> </h1> </html>`
- D. `<%@ taglib prefix="pre" uri="testuri" %> <html> <head> <title>Demo on helloworldCustom tag</title> </head> <h1> <helloworld "attrb"="John"/> </h1> </html>`

Correct Answer: C

85) Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: When tags are implemented with tag handlers written in Java, each tag in the library must be declared in the TLD with a tag element.

Statement B: The tag element contains the tag name, the class of its tag handler, information on the tag's attributes, and information on the variables created by the tag.

Which of the following is true about these statements?

- A. Statement A is true and statement B is true.
- B. Statement A is true and statement B is false.
- C. Statement A is false and statement B is true.
- D. Statement A is false and statement B is false.

Correct Answer: A

86) Carefully read the question and answer accordingly.

TagSupport and BodyTagSupport classes are present in which package?

- A. `java.servlet.jsp.tagext`
- B. `javax.servlet.jsp.tag`
- C. `javax.servlet.jsp.tag.ext`
- D. `javax.servlet.jsp.tagext`

Correct Answer: D

87) Carefully read the question and answer accordingly.

What is the output of the current code segment ?

```

<c:forTokens items="a,b,c,d,e" delims="," begin="0" end="4" step="2" var="alphabet">
<c:out value="{alphabet}"/>
</c:forTokens>

```

- A. a,c,e
- B. b,d
- C. a,b,c
- D. c,d,e

Correct Answer: A

88) Carefully read the question and answer accordingly.  
Which JSTL code snippet can be used to perform URL rewriting?

- A. `<a href='<c:url url="cognizant.jsp"/>'/>`
- B. `<a href='<c:link url="cognizant.jsp"/>'/>`
- C. `<a href='<c:url value="cognizant.jsp"/>'/>`
- D. `<a href='<c:link value="cognizant.jsp"/>'/>`

Correct Answer: C

89) Carefully read the question and answer accordingly.  
Using prefix c to represent the JSTL library, which of the following produces the same result as `<%= var %>`?

- A. `<c:var out=${var}>`
- B. `<c:out value=${var}>`
- C. `<c:out var="var">`
- D. `<c:expr value=var>`

Correct Answer: B

90) Carefully read the question and answer accordingly.  
Which standard tag you choose to implement the switch functionality using JSTL?

- A. `<c:forEach>`
- B. `<c:when>`
- C. `<c:if>`
- D. There is no standard tag for switch

Correct Answer: B

91) Carefully read the question and answer accordingly.  
Which attribute of `<c:if>` specifies the conditional expression?

- A. cond
- B. check
- C. expr
- D. test

Correct Answer: D

92) Carefully read the question and answer accordingly.  
Which of following are standard JSTL?

- 1.<http://java.sun.com/jstl/xml/fmt>
- 2.<http://java.sun.com/jstl/core/fmt>
- 3.<http://java.sun.com/jstl/xml>
- 4.<http://java.sun.com/jstl/sql>
- 5.<http://java.sun.com/jstl/core>

- A. 1&2&3
- B. 2&3&4
- C. 1&2&4
- D. 3&2&5
- E. 3&4&5

Correct Answer:

93) Carefully read the question and answer accordingly.

Consider the usage of JSTL forEach tag in the following code snippet:

```
<font color='green'>
<ul>
  <c:forEach flag=errmsg items="{errorMsgs}">
    <li>${errmsg}</li>
  </c:forEach>
</ul>
</font>
```

The code snippet contains some errors. Predict the correct code.

- A. `<font color='green'> <ul> <c:forEach flag=errmsg items="{errorMsgs}"> <li>${errmsg}</li> </c:forEach> </ul> </font>`
- B. `<font color='green'> <ul> <c:forEach flag="errmsg" items="{errorMsgs}"> <li>${errmsg}</li> </c:forEach> </ul> </font>`
- C. `<font color='green'> <ul> <c:forEach flag="errmsg" items="{errorMsgs}"> <li>${errmsg}</li> </c:forEach> </ul> </font>`
- D. `<font color='green'> <ul> <c:forEach flag=errmsg items="{errorMsgs}"> <li>${errmsg}</li> </c:forEach> </ul> </font>`

Correct Answer: B

94) Carefully read the question and answer accordingly.

If you would like the JSP container to first try to find the "myBeanAttribute" attribute in the request scope. If it's not existing then should create the instance of "MyBean" and then assign it to the "myBeanAttribute" id variable in JSP and sets it as an attribute to the request scope.

Which of the given option will help you to attain this?

- A. `<jsp:useBean id="myBeanAttribute" class="com.cts.MyBean" scope="request" />`
- B. `<jsp:useBean id="myBeanAttribute" class="com.cts.MyBean" />`
- C. `<jsp:useBean id="myBeanAttribute" type="com.cts.MyBean" scope="request"/>`
- D. `<jsp:useBean id="myBeanAttribute" type="com.cts.MyBean" />`

Correct Answer: A

95) Carefully read the question and answer accordingly.

Smith is developing an application using Java Server Pages. The name of the component that he has created is "Emp". he has included the following statement in her application:

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

What would be the result of the above code?

- A. It will iterate over the current ServletRequest parameters setting each matched property to the value of the matching parameter
- B. It will iterate over the current ServletRequest parameters getting each property to the value of the parameter
- C. It will give a run-time error.
- D. It will iterate over the current ServletRequest parameters and would not set any property to the value of the matching parameter

Correct Answer: A

96) Carefully read the question and answer accordingly.

Consider the following code snippet:

```
<jsp:forward page="relativeURLspec"/>
```

Which of the following statements is true about the execution status of the page where this statement has been written?

- A. The execution of the current page continues.
- B. The execution of the current page is terminated.
- C. A run time error is displayed.
- D. A message box stating for user's confirmation about termination or continuation of the application is displayed.

Correct Answer: B

97) Carefully read the question and answer accordingly.

In an web page how would you write the JSP standard action code to import a JSP segment that generates user preference specific content?

- A. `<jsp:include page="user-pref.jsp"> <jsp:param name="userPref" value="${user.preference}" /> </jsp:include>`
- B. `<jsp:import page="user-pref.jsp"> <jsp:param name="userPref" value="${user.preference}" /> </jsp:include>`
- C. `<jsp:import file="user-pref.jsp"> <jsp:param name="userPref" value="${user.preference}" /> </jsp:import>`
- D. `<jsp:include path="user-pref.jsp"> <jsp:param name="userPref" value="${user.preference}" /> </jsp:include>`

Correct Answer: A

98) Carefully read the question and answer accordingly.

Given a servlet that stores an Account bean in the session scope with the following code snippet:

```
public void doPost(HttpServletRequest req, HttpServletResponse resp) {
    HttpSession session = req.getSession();
    com.cts.Account acc= new com.cts.Account();
    emp.setAccountNumber(req.getParameter("acc_num"));
    session.setAttribute("account", acc);
    RequestDispatcher page = req.getRequestDispatcher("index.jsp");
    page.forward(req, resp);
}
```

Which of these complete JSPs will print the account number?

- A. `<%= account.getAccountNumber() %>`
- B. `<%= employee.getAccountNumber();%>`
- C. `<jsp:useBean id="account" type="com.cts.Account" /> <%= employee.getAccountNumber(); %>`
- D. `<jsp:useBean id="account" type="com.cts.Account" scope="session"/> <jsp:getProperty name="account" property="accountNumber" />`



E. `<jsp:useBean id="account" type="com.cts.Account" scope="session"> <jsp:getProperty name="account" property="accountNumber" /> </jsp:useBean>`

Correct Answer: D

99) Carefully read the question and answer accordingly.

What is the effect of executing the following JSP statement, assuming a class with name Employee exists in com.cts package.

```
<jsp:useBean id="employee" class="com.cts.Employee" scope="session"/>
<jsp:setProperty name="employee" property="*/>
```

- A. The code does not compile as property attribute cannot take \* as a value.
- B. The code sets value of all properties of employee bean to "\*".
- C. The code sets the values of all properties of employee bean with default values.
- D. The code does not compile as there is no property attribute of setProperty tag.
- E. None of the given option

Correct Answer:

100) Carefully read the question and answer accordingly.

Consider the following code snippet of JSP Bean:

```
<jsp:usebean identity="login" scope="Session" class=s.beans.LoginBean>
<%!
login.setValue(request.getParameter("Loginid"));
login.setAddress(request.getParameter("address"));
%>
<jsp:usebean>
```

However the preceding code contains errors. Predict the correct code.

- A. `<jsp:useBean id="login" scope="Session" class="s.beans.LoginBean"> <% login.setValue(request.getParameter("Loginid")); login.setAddress(request.getParameter("address")); %> </jsp:useBean>`
- B. `<jsp:useBean identity="login" scope="Session" class="s.beans.LoginBean"> <%! login.setValue(request.getParameter("Loginid")); login.setAddress(request.getParameter("address")); %> <jsp:useBean>`
- C. `<jsp:useBean id="login" scope="Session" class="s.beans.LoginBean"> login.setValue(request.getParameter("Loginid")); login.setAddress(request.getParameter("address")); </jsp:useBean>`
- D. `<jsp:useBean id="login" scope="Session" class="s.beans.LoginBean"> <login.setValue(request.getParameter("Loginid")); /> <login.setAddress(request.getParameter("address")); /> </jsp:useBean>`

Correct Answer: A

101) Carefully read the question and answer accordingly.

Lisa is a web developer she developing dynamic web application using JSP. She want to include "Header.jsp" in all JSP page which she have designed. Which of the following statement includes Header.jsp file?

- 1.<jsp:include page="Header.jsp"/>
- 2.<jsp:include file="Header.jsp"/>
- 3.<%@include file="Header.jsp"%>
- 4.<%@include page="Header.jsp"%>

- A. 1&3
- B. 2&3
- C. 1&2
- D. 3&4

Correct Answer: A

102) Carefully read the question and answer accordingly.

For the given Employee class

```
package com.cts;
public class Employee{
    private String strEmpID="";
    public String getEmpId() {
        return this.strEmpID;
    }
    public void setEmpId(String strEmpID){
        this.strEmpID=strEmpID;
    }
}
```

We have the JSP file

```
<jsp:useBean id="employee" class="com.cts.Employee" scope="request">
    <property name="person" property="empld" value="<%= request.getParameter("empld")%>" />
</jsp:useBean>
<html>
<body>
Employee Id:
</body></html>
```

Identify the JSP tag from the given options to print the employee id.

- A. <jsp:getProperty name="employee" property="strEmpID"/>
- B. <Jsp:getProperty name="employee" property="EmpID"/>
- C. <Jsp:getProperty name="employee" property="empld"/>
- D. <jsp:getProperty name="employee" property="employee.empld"/>

Correct Answer: C

103) Carefully read the question and answer accordingly.

Your web application views all have the same header which includes <title> tag in the <head> element of the rendered HTML. You have decided to remove the redundant HTML code from your JSPs and put into a single JSP called /WEB-INF/jsp/header.jsp. However, the title of each page is unique, so you have decided to use variable called pageTitle to parameterize this in the header JSP like this:

```
<title> ${param.pageTitle}</title>
```

Which JSP code snippet you use in your main view JSPs to insert the header and pass the pageTitle variable?

- A. <jsp:insert page='/WEB-INF/jsp/header.jsp'> <jsp:param name='pageTitle' value="Welcome Page" /> </jsp:include>
- B. <jsp:include page='/WEB-INF/jsp/header.jsp'> <jsp:param name='pageTitle' value='Welcome Page'/> </jsp:include>
- C. <jsp:include file='/WEB-INF/jsp/header.jsp'> \${pageTitle='Welcome Page'} </jsp:include>
- D. <jsp:insert file='/WEB-INF/jsp/header.jsp'> <jsp:param name='pageTitle' value="Welcome Page" /> </jsp:insert>

Correct Answer: B

104) Carefully read the question and answer accordingly.

Identify the different values which a scope attribute of a <jsp:useBean>action can set?

- A. page, request, session and application.
- B. page and request only
- C. page, request, response and application
- D. page, response, session and application

Correct Answer: A

105) Carefully read the question and answer accordingly.

Lisa is a systems programmer at ABC Consultants. She has written an application to accept student marks in the variable marks. If the student has scored marks greater than 60. She needs to forward the control of the program to another file called as "Ex.jsp" else the control should be forwarded to a file called as "Av.jsp".

Which of the following code snippets should she use for checking this condition and forward control?

- A. `<% if(Integer.parseInt(request.getParameter("marks"))>=60) { %> <jsp:forward page="Ex.jsp" /> <% } else { %> <jsp:forward page="Av.jsp" /> <% } %>`
- B. `<% if (request.retrieveParameter("marks"))>=60) { %> <jsp:moveforward page="Ex.jsp"> </jsp:forward> <% } else { %> <jsp:moveforward page="Av.jsp"> </jsp:forward> <% } %>`
- C. `<% if (request.getParameter("marks"))>=60) { %> <jsp:forward page="Ex.jsp" /> <% } else { %> <jsp:forward page="Av.jsp"> <% } %>`
- D. `<% if (request.getParameter("marks"))>=60) { %> <jsp:jspparam="Ex.jsp"> </jsp:forward> <% } else { %> <jsp:jspparam="Av.jsp"> </jsp:forward> <% } %>`

Correct Answer: A

106) Carefully read the question and answer accordingly.

Identify the different actions which are generally used while integrating JavaBeans with JSP?

- A. `<jsp:useBean>`, `<jsp:setProperty>` and `<jsp:getProperty>`
- B. `<jsp:useBean>` and `<jsp:include>`
- C. `<jsp:setProperty>`, `<jsp:getProperty>` and `<jsp:forward>`
- D. `<jsp:useBean>` and `<jsp:plugin>`

Correct Answer: A

107) Carefully read the question and answer accordingly.

Which attribute of the page directive indicates that the JSP engine can handle more than one request at a time when its value is set to true?

- A. `IsThreadSafe`
- B. `Info`
- C. `autoflush`
- D. `extends`

Correct Answer: A

108) Carefully read the question and answer accordingly.

Sally has written the following code to access the Employee bean that has already been created with the property called EmpNumber:

```
<html>
<body>
<jsp:useBean id="employee" scope="session" class="Employee" />
<b> The current count for the Employee bean is:</b> <%=employee.getEmpNumber()%>
</body>
</html>
```

The bean has the following code in the getEmpNumber method:

```
public int getEmpNumber()
{
    EmpNumber++;
    return this.EmpNumber;
}
```

Which of the following statements is true about the output of the above code when the page is loaded and reloaded?

- A. The value will be incremented everytime the page is loaded.
- B. The value will be always displayed as 1.
- C. The syntax error would be displayed.
- D. The value will be equal to 10.

Correct Answer: A

109) Carefully read the question and answer accordingly.

Which of the following objects of JSP contain the servlet configuration?

- A. config
- B. application
- C. out
- D. page

Correct Answer: A

110) Carefully read the question and answer accordingly.

Which of the following variable represents the uncaught throwable object that resulted from a call to the error page in JSP?

- A. Application
- B. Config
- C. Exception
- D. Request

Correct Answer: C

111) Carefully read the question and answer accordingly.

Which object of JSP holds reference to javax.servlet.http.HttpSession object?

- A. session
- B. request
- C. response
- D. PageContext

Correct Answer: A

112) Carefully read the question and answer accordingly.

What will be the output of the following code snippet?

```
<% page language="java"%>
<html>
<head></head>
<body>
<%java.util.Date now=new java.util.Date(); %>
<H1><%= now.getHours() %>:<%=now.getMinutes()%>:<%=now.getSeconds()%></H1>
</body>
</html>
```

- A. It will display the date as mm:dd:yy.
- B. It will display the date and time.
- C. It will display time as hh/mm/ss.
- D. It will display the current time as hh:mm:ss.

Correct Answer: D

113) Carefully read the question and answer accordingly.  
Scripting can be blocked in a jsp by:

- A. Putting <scripting-invalid> element in web.xml
- B. Declaring <scripting-invalid> tag at the top of JSP page
- C. Putting scripting-invalid=true attribute in form tag
- D. Scripting can't be blocked

Correct Answer: A

114) Carefully read the question and answer accordingly.  
Gen wants to create a new JSP page. Which element of JSP provide global information about an entire JSP page?

- A. Scriptlet
- B. Directive
- C. Expression
- D. Declaration

Correct Answer: B

115) Carefully read the question and answer accordingly.  
Manisha is creating an application which makes use of Java Server pages. Which of the following implicit object she should use to get a reference to the JSPWriter?

- A. out
- B. in
- C. request
- D. response

Correct Answer: A

116) Carefully read the question and answer accordingly.  
The purpose of a JSP Expression tag is to:

- A. Print something on the screen
- B. Declare a variable
- C. Import a java class
- D. Write a block of java code

Correct Answer: A

117) Carefully read the question and answer accordingly.  
A scriptlet contains Java code that is executed every time a JSP is invoked.State True or False.

- A. TRUE
- B. FALSE

Correct Answer: A

118) Carefully read the question and answer accordingly.

You are developing dynamic web application using JSP. Which attribute of page directive specifies the list of classes imported in the JSP file?

- A. import
- B. session
- C. extends
- D. language

<d