

Date: August 01, 2010

**J2EE – Enterprise Java (60 Minutes)**

1. The HttpServlet class
  1. Extends Servlet class
  2. Extends GenericServlet class
  3. Implements javax.servlet.ServletException
  4. Implements GenericServlet interface
2. When a remote object is referenced in rmi, the client gets
  1. A local copy of that object
  2. A reference to remote object by means of stub
  3. A skeleton
  4. All of above
3. What interface must all interfaces for remote services extend?
  1. java.rmi.RemoteService
  2. java.rmi.Remoteable
  3. java.rmi.server.Remote
  4. java.rmi.Remote
4. When defining a remote interface, what exception is typically thrown as part of each method signature?
  1. IOException
  2. RemoteException
  3. RemoteCollisionException
  4. RemoteControlException
5. The client communicates with EJB-bean using
  1. EJBObject
  2. EJBHome
  3. EJB-Bean-Object
  4. EJB-Bean-Implementation Object
6. Why might you define a method as native?
  1. To get to access hardware that Java does not know about
  2. To define a new data type such as an unsigned integer
  3. To write optimized code for performance in a language such as C/C++
  4. To overcome the limitation of the private scope of a method
7. Which of the following statement is true?
  1. HttpServletResponse provides a method to send a temporary redirect response to the client.
  2. HttpSession provides a method to unbind all the objects bounded to it, without ending the session.
  3. ServletContext provides a method to return a RequestDispatcher object for a resource located in a particular path.
  4. None of the above
8. Name the class that includes the getSession method that is used to get the HttpSession object.
  1. HttpServletRequest
  2. HttpServletResponse
  3. SessionContext
  4. SessionConfig
9. Which of these is true.
  1. The default value of isThreadSafe attribute of page directive is true.
  2. If isThreadSafe attribute of page directive is set to true, then JSP container dispatches request for the page sequentially.
  3. Setting isThreadSafe attribute to true for JSP pages, can lead to poor performance.
  4. None of the above
10. Which of these is true about deployment descriptors. Select the one correct answer.
  1. The order of elements in deployment descriptor is important. The elements must follow a specific order.
  2. The elements of deployment descriptor are case insensitive.
  3. The servlet-mapping element, if defined, must be included within the servlet element.
  4. The web-app element must include the servlet element.
11. Which of the following combination is a part of J2EE technology?
  1. JSP, JFC, Servlets
  2. JNDI, JMS, JTA
  3. CORBA, JDBC, Swings
  4. JMX, JAXR, JFC
12. Type 4 database driver, also known as thin driver
  1. True
  2. False
13. Which of the following is not a JSP scripting element
  1. Declarations
  2. Scriptlets
  3. Expressions
  4. HTML Tags
14. Use of constructor in Servlets instead of init() method will
  1. Leave no effect.
  2. Can be done, but in older versions it will not pass any argument.
  3. Can not be done.
  4. ServletConfig will be available in both the cases.
15. Is it possible to stop the execution of a method before completion in a Session Bean because
  1. It is not allowed to access threads inside an EJB without writing code inside the Session Bean.
  2. It is allowed as we can kill threads any time.
  3. Session bean maintains the session so we cannot terminate its execution before the session gets terminated.
  4. We can use exit() method to achieve this.
16. The EJB container implements the EJBHome and EJBObject classes. For every request from a unique client
  1. container create a separate instance of the generated EJBHome and EJBObject classes
  2. container uses same generated EJBHome and separate EJBObject classes
  3. container create a separate instance of the EJBHome and uses same EJBObject classes
  4. container uses same instance of the EJBHome and uses same EJBObject classes
17. Which one of the following is the correct sequence of opening a result set.
  1. Create Statement, create connection, open result set.



2. Create Connection, create statement, open result set
3. Load driver, open connection, create statement, open result set.
4. All of the above.
18. Which of the following JSP comment will not go to the browser?
1. `<!-- some comment -->`
  2. `<!-- 2 + 2 = <%= 2 + 2 %> -->`
  3. `<%-- some comment - %>`
  4. None of the above
19. Which interface defines the following method in the servlet API?
- public void service (ServletRequest request, ServletResponse response)
1. javax.servlet.Servlet
  2. javax.servlet.GenericServlet
  3. javax.servlet.HttpServlet
  4. javax.servlet.http.HttpSession
20. Read the following code segment
- ```
<form
action="/scwcd/servlet/com.baboon.scwcd.serv
etmodel.AnimalServlet" method="POST">
<select name="animals" size="3" multiple>
<option value="TIGER">Tiger</option>
<option value="ELEPHANT">Elephant
</option>
<option value="LION">Lion</option>
</select>
<input type="submit" value="Search">
</form>
```
1. public class AnimalServlet extends HttpServlet {
  2. protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
  3. // insert code here
  4. }
  5. }
  6. }
- What statement do you need to insert at line 4 of the AnimalServlet to pick up all selected animals in the form?
1. String animals= req.getParameter("animals");
  2. String[] animals = req.getParameterValues("animals");
  3. String[] animals = req.getParameterNames("animals");
  4. None of the above
21. Which statements about stateful and stateless session beans is true?
1. Only stateful session beans support transactions.
  2. Only stateful session beans can be passivated.
  3. Only stateful session beans have a 'setSessionContext' method.
  4. Both stateful and stateless session beans can support overloaded 'ejbCreate' methods.
22. Which three are true about transactions in EJB?
1. EJB 2.0 supports nested transactions.
  2. EJB 2.0 allows you to specify isolation levels.
  3. Message-driven beans must not use bean-managed transaction demarcation.
  4. Entity beans must not use bean-managed transaction demarcation.
23. Which will survive an EJB server crash?
1. Stateful session bean instances
  2. Stateless session bean instances
  3. Message-driven bean instances
  4. An entity bean's primary key
24. Which is directly invoked by the client?
1. ejbPassivate
  2. Business methods
  3. setSessionContext
  4. newInstance
25. JavaBeans are components that can run as standalone application.
1. True
  2. False
26. java.sql.Connection is an abstract class
1. True
  2. False
27. Which of the following is not true?
1. The Serializable interface is used to identify objects that may be written to an output stream.
  2. The Externalizable interface is implemented by classes that control the way in which their objects are serialized.
  3. The Serializable interface extends the Externalizable interface.
  4. The Externalizable interface extends the Serializable interface.
28. Consider the following piece of code:
- ```
String query = "SELECT COF_NAME, PRICE
FROM COFFEES"; ResultSet rs =
stmt.executeQuery(query);
String s = rs.getString("COF_NAME");
```
1. It will result in compile time error.
  2. There is nothing wrong in the code and will work perfectly alright
  3. It will result in run-time error
  4. None of the above
29. DriverManager.getConnection(...) API throws following exception :
1. ClassNotFoundException
  2. SQLException
  3. SqlConnectionException
  4. None of the above
30. Which Type driver can you use in a three-tier architecture and if the Web server and the DBMS are running on the same machine?
1. Type 1
  2. Type 2
  3. Type 3
  4. All of the above
31. A class that receives a notification if an attribute is added, removed or replaced from a session will implement which interface?
1. HttpSessionBindingListener
  2. HttpSessionListener
  3. HttpSessionActivationListener
  4. HttpSessionAttributeListener
32. Which of the following are correct JSP useBean declarations?
1. `<jsp:useBean id="softDrink" beanName="Drink.ser" class="com.baboon.interface.Drink" />`
  2. `<jsp:useBean beanName="instructor" class="com.baboon.users.Instructor" />`



3. `<jsp:useBean id="card" class="com.baboon.cardgame.Card" />`  
4. None of the above
33. Which of the following actions will cause a session to be expunged in a web application?  
1. Navigating to a different web site or web application  
2. Closing the web browser.  
3. The client does not send a request to the web application for a length of time that exceeds the session timeout value of the associated session object in the application.  
4. All of the above.
34. If a JSP page overrides the `jspInit()` method using a declaration JSP tag, which phase of the JSP page life-cycle generates the overridden method in the servlet?  
1. page translation  
2. JSP page compilation  
3. call `jspInit()`  
4. call `_jspService()`
35. Which of the following statements regarding the `sendError` response method are true?  
1. `sendError` accepts `java.lang.Throwable` as an argument.  
2. `sendError` has the side effect of committing the response.  
3. `sendError` is only used to set the return status code when there is no error  
4. `sendError` throws an `java.lang.InvalidStateException` if the response has already been committed.
36. How is a servlet declared to use the single thread model?  
1. The servlet declares the service method as synchronized.  
2. In the deployment descriptor.  
3. Nothing is required, by default a servlet uses the single thread model.  
4. The servlet implements the interface `SingleThreadModel`
37. Which of the following attributes are mandatory within the `<jsp:setProperty>` tag?  
1. Name  
2. Value  
3. Id  
4. Property
38. You have created a Listener called `AccountApplicationListener` that receives events when the context of the web-application "account" is created or destroyed. How would you define this in your deployment descriptor?  
1. `<listener>`  
`com.cdac.acts.AccountApplicationListener`  
`</listener>`  
2. `<listener><listener-class>com.cdac.acts.AccountApplicationListener</listener-class></listener>`  
3. `<listener-class>com.cdac.acts.AccountApplicationListener</listener-class>`  
4. `<web-app name="account">`  
`<listener-class>com.cdac.acts.AccountApplicationListener</listener-class>`  
`</web-app>`
39. Which of the following child elements of the root element is not valid in the deployment descriptor?  
1. `<servlet-mapping>`  
2. `<mime-mapping>`  
3. `<icon>`  
4. `<context-mapping>`
40. Which interface of the Servlet API's defines methods to extract form parameters from the HTTP request?  
1. `HttpServletRequest`  
2. `ServletRequest`  
3. `Servlet`  
4. `HttpServletResponse`
41. If you have a chat server using UDP, which class will you use on server side?  
1. `ServerSocket`  
2. `Socket`  
3. `DatagramSocket`  
4. `DatagramServerSocket`
42. Which APIs is provided by the container?  
1. JMX  
2. JSP  
3. JAXP  
4. JDO
43. Which of the following files is the correct name and location of deployment descriptor of a web application. Assume that the web application is rooted at `\doc-root`. Select the one correct answer  
1. `\doc-root\dd.xml`  
2. `\doc-root\web.xml`  
3. `\doc-root\WEB-INF\web.xml`  
4. `\doc-root\WEB-INF\dd.xml`
44. Which of these is true about deployment descriptors. Select the one correct answer.  
1. The order of elements in deployment descriptor is important. The elements must follow a specific order.  
2. The elements of deployment descriptor are case insensitive.  
3. The `servlet-mapping` element, if defined, must be included within the `servlet` element.  
4. The `web-app` element must include the `servlet` element.
45. Which statements about stateful and stateless session beans is true?  
1. Only stateful session beans support transactions.  
2. Only stateful session beans can be passivated.  
3. Only stateful session beans have a 'setSessionContext' method.  
4. Both stateful and stateless session beans can support overloaded 'ejbCreate' methods.
46. Which of the following statements regarding the action JSP tag is false?  
1. Used to declare a JavaBean instance in a JSP page.  
2. Used to generate HTML code to embed an applet on a web page.  
3. User-defined actions can be created.  
4. Provides translation-time instructions to the JSP engine.

47. Which statement can be inserted in a Servlet to forward the request to `http://www.cdac.in`, outside the current domain?
1. `resp.encodeRedirectURL("http://www.cdac.in");`
  2. `resp.sendRedirect(resp.encodeRedirectURL("http://www.cdac.in"));`
  3. `resp.sendRedirect`  
(`HttpServletResponse.SC_MOVED_PERMANENTLY`, " `http://www.cdac.in` ");
  4. `getServletContext().getRequestDispatcher("http://www.cdac.in").forward(req, resp);`
48. Which three are true about transactions in EJB?
1. EJB 2.0 supports nested transactions.
  2. EJB 2.0 allows you to specify isolation levels.
  3. Message-driven beans must not use bean-managed transaction demarcation.
  4. Entity beans must not use bean-managed transaction demarcation.
49. What gets printed when the following JSP code is invoked in a browser. Select the one correct answer.
- ```
<%= if(Math.random() < 0.5) %>
hello
<%= } else { %>
hi
<%= } %>
```
1. The browser will print either hello or hi based upon the return value of random.
  2. The string hello will always get printed.
  3. The string hi will always get printed.
  4. The JSP file will not compile.
50. Which of the following represents a correct syntax for usebean.
1. `<jsp:usebean id="fruit scope="page"/>`
  2. `<jsp:usebean id="fruit type="String"/>`
  3. `<jsp:usebean id="fruit class="Fruit" beanName="Fruit"/>`
  4. None of the above



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### J2EE – Enterprise Java (60 Minutes)

1. Which HTTP method is used to show the client what the server is receiving?
  1. Get
  2. Put
  3. Trace
  4. Option
2. Which method of HttpServletResponse is used to redirect an http request to another URL?
  1. SendURL()
  2. RedirectURL()
  3. RedirectHTTP()
  4. SendRedirect()
3. Which HTTP method is not considered as idempotent?
  1. Get
  2. Post
  3. Put
  4. Head
4. Given request is HttpServletRequest, which of the following gets a binary input stream?
  1. BinaryInputStream s = req.getInputStream();
  2. ServletInputStream s = req.getBinaryStream();
  3. BinaryInputStream s = req.getBinaryStream();
  4. ServletInputStream s = req.getInputStream();
5. Which method is used by servlet to handle form data from a client?
  1. HttpServlet.doPost()
  2. HttpServlet.doHead()
  3. HttpServlet.doPut()
  4. ServletRequest.doGet()
6. How should servlet developers handle the HttpServlet's service() method when extending HttpServlet?
  1. They should override the service() method in most cases.
  2. They should call the service() from doGet or doPost.
  3. They should call the service() from init() method.
  4. They should override at least one doxxx() method.
7. When using a RequestDispatcher, the use of which method can often lead to an IllegalStateException?
  1. Read
  2. Flush
  3. Write
  4. GetOutputStream
8. Which types define the methods getAttribute() and setAttribute()?
  1. HttpSession
  2. ServletRequest
  3. ServletContext
  4. All of the above
9. When declaring a listener in the DD, which sub-elements of the <listener> element are required?
  1. <description>
  2. <listener-name>
  3. <listener-class>
  4. <listener-type>
10. Which types of objects can store attributes?
  1. ServletConfig
  2. HttpServletRequest
  3. ServletResponse
  4. HttpSessionContext
11. What is the recommended way to deal with servlets and thread safety?
  1. Write the servlet code to extend threadSafeservlet
  2. Have the servlet implement SingleThreadModel
  3. Log all servlet method calls
  4. Use local variables exclusively and if you have to use instance variables, synchronize access to them.
12. Which interface defines a getSession() method?
  1. ServletRequest
  2. ServletResponse
  3. HttpServletRequest
  4. HttpServletResponse
13. Which of the following is not listener event type in the j2ee 1.4 API?
  1. HttpSessionEvent
  2. ServletRequestEvent
  3. HttpSessionBindingEvent
  4. HttpSessionAttributeEvent
14. Which statement concerning JSP is true?
  1. Only jsplnit() can be overridden
  2. Only jspdestroy() can be overridden
  3. Only \_jspService() can be overridden
  4. both jsplnit() and jspDestroy can be overridden
15. Which directives specify an HTTP response that will be of type "image"?
  1. <%@ page type="image"%>
  2. <%@ page mimeType="image"%>
  3. <%@ page contentType="image"%>
  4. <%@ page language="image"%>
16. Which is valid JSP implicit variable?
  1. Stream
  2. Context
  3. Listener
  4. Application
17. Which JSP lifecycle step is out of order?
  1. Translate the jsp into a servlet
  2. Compile servlet source code
  3. Call \_jspService()
  4. Call jsplnit()
18. Which is an example of the syntax used to import a class in a JSP?
  1. <%@ page import="java.util.Date"%>
  2. <% page import="java.util.Date"%>
  3. <%@ page import="java.util.Date"@%>
  4. <% page import java.util.Date; %>
19. Identify the syntax of <jsp:getProperty> action.
  1. <jsp:getProperty property="propertyName" />
  2. <jsp:getProperty name="name" value="propertyValue" />
  3. <jsp:getProperty name="name" property="propertyName" />
  4. <jsp:getProperty name="name" class="className" />



20. Identify the requirement for a class to be a JavaBeans.
1. The class should extend one or more classes.
  2. The class should override getter and setter methods.
  3. The class should support synchronization.
  4. The class should encapsulate only presentation logic.
21. Which element enables JSP to integrate with JavaBeans?
1. Scriptlet
  2. Actions
  3. Directives
  4. Declarations
22. Identify the error in the following code:
- ```
ResultSet rs = MyStatement.executeQuery("Select *
From Student");
While (rs1.next())
{
    System.out.println(rs.getInt("StudNo")+"
"+rs.getString("SName")+" "+rs.getString("Class"));
}
```
1. The statement "While (rs1.next())" has an error.
  2. The "executeQuery("Select \* From Student")" has an error.
  3. The statement "ResultSet rs" has an error
  4. None of the above
23. To access a database using JDBC, you send a request to the Servlet and load a driver. After loading the driver, you need to create a connection. Identify the parameter from the following that will be passed to the getConnection() method to create a connection.
1. invoked stored procedure
  2. database URL
  3. sun.jdbc.odbc.JdbcOdbcDriver
  4. column index
24. Identify the statement that best describes the persistence use tag required for a CMP EJB.
1. The persistence use tag stores the identifier of the persistence type to be used for this particular bean.
  2. The persistence use tag defines the options that determine the persistence type, transaction behavior, and ejbLoad() and ejbStore() behavior for entity EJB in WebLogic Server.
  3. The persistence use tag contains text that identifies an entity EJB persistence type.
  4. The persistence use tag defines the full path of the file that stores data for this persistence type.
25. Which method is used to find whether one remote EJB object is similar to the other?
1. remove()
  2. getHandle()
  3. getEJBHome()
  4. isIdentical()
26. Which interface in messaging service is used to view messages in a queue?
1. QueueBrowser
  2. Destination
  3. Message
  4. Queue
27. Identify the feature of EJB component model that defines standard operations and semantics for the EJB container to create, destroy, allocate, persist, and activate component instances.
1. Session Management
  2. Life Cycle Management
  3. Deployment Standard
  4. Server and Client components development
28. Identify the most appropriate definition of getEJBMetaData().
1. This method allows the clients to obtain extra information about the EJB. This method throws a java.rmi.RemoteException.
  2. This method is used to get a handle for the home object. This obtained handle can be used later to get the handle to the home object.
  3. This method is used to remove an EJB object. It has two forms. The first form takes a Handle object a parameter and the other takes the primary key as a parameter.
  4. This method returns an instance of the entity's primary key class. With this method, you can set bean attributes.
29. Which of these works as a controller in struts?
1. Action
  2. ActionForm
  3. ActionServlet
  4. None of the above
30. EJB is commonly based on \_\_\_\_\_.
1. Servlet
  2. Jsp
  3. RMI
  4. None of the above
31. Which folder should contain all the configuration file of ejb?
1. Web-inf
  2. Meta-inf
  3. Both 1 and 2
  4. None of the above
32. What is the difference between Stateful session beans and stateless session beans?
1. Stateful session bean maintains the state of the bean and stateless bean does not do so.
  2. Stateful session bean can be activated and passivated but stateless session bean cannot be activated and passivated.
  3. Both of the above
  4. None of the above
33. In ejb architecture, which interface, takes the responsibility of publishing life cycle methods to client?
1. EJBHome
  2. EJBRemote
  3. EntityBean
  4. SessionBean
34. Which of these methods is used to load the driver?
1. CreateStatement()
  2. getConnection()
  3. Class.forName()
  4. None of the above
35. Which configuration file is used by ActionServlet to get the information about different components in the application?
1. Struts-config.xml
  2. Struts-html.tld
  3. Servlet-api.jar
  4. None of the above



36. What is an ActionForm in struts application?
1. It's a class that can be used to write business logic
  2. It's a java bean that is used to maintain the state in application
  3. It's a class that controls the whole application
  4. None of the above
37. Which method is used to query the EJB server for specific entity beans, based on the name of the method and arguments passed?
1. Create methods
  2. Finder methods
  3. Activate methods
  4. Passivate methods
38. Which of the following methods may be present in the Home Interface of an Entity Bean?
1. create()
  2. findByPrimaryKey()
  3. remove()
  4. All of the above
39. Which design pattern is represented by the EJB Home interface?
1. Proxy
  2. Visitor
  3. Abstract Factory
  4. Facade
40. Given a JSP page with the line:  
\${101%10}  
What will get display?
1. 1
  2. 10
  3. 101
  4. 1001
41. Which is true about TLD files?
1. TLD files may be placed in the META-INF directory of the WAR file.
  2. TLD files may be placed in any subdirectory of WEB-INF.
  3. TLD files are used to configure JSP environment attributes, such as scripting-invalid.
  4. TLD files can declare both simple and classic tags but TLD files are not used to declare Tag files.
42. BIRT stands for \_\_\_\_\_.
1. Business Intelligence and Reporting Tools
  2. Business Integration and Reporting Tools
  3. Business Intelligence and Report Tests
  4. Business Integration and Result Tools
43. Which of the following data sources is used to generate BIRT reports.
1. XML documents
  2. EJBs
  3. Web services
  4. All of the above
44. BIRT reporting tool does not support Object Oriented concept, choose true statement from the following.
1. Yes
  2. No
  3. In some case true and some case false
  4. None of the above
45. ORM stands for \_\_\_\_\_.
1. Object Relational Mapping
  2. Object Relational Methods
  3. Object Related Model
  4. None of the above
46. Which of the following is a configuration file in hibernate?
1. hibernate.cfg
  2. hibernate.cfg.xml
  3. hibernate.xml
  4. hibernate.hbm
47. How can you make a property be read from the database but not modified in anyway?
1. Use insert="false" and update="false" attributes.
  2. Use insert="false" and update="true" attributes.
  3. Use insert="true" and update="true" attributes.
  4. Use insert="true" and update="false" attributes.
48. An Action class in the struts application extends Struts \_\_\_\_\_ class.
1. org.apache.struts
  2. org.apache.struts.action
  3. org.apache.struts.action.Action
  4. org.apache.struts.cfg.Action
49. Local home interface have only \_\_\_\_\_ remove() method.
1. One
  2. Two
  3. Three
  4. More than three
50. \_\_\_\_\_ bean can have persistent relationship with other entity beans.
1. CMP
  2. BMP
  3. Entity
  4. Message-driven beans



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**J2EE – Enterprise Java (60 Minutes)**

1. Which of the following is not a J2EE component?
  1. Application clients
  2. Applets
  3. Enterprise JavaBeans
  4. None of the above
2. Which of the following statement is correct regarding HTTP POST?
  1. It is used for retrieval method.
  2. If this method is used then no response is returned
  3. This is mostly used in HTML forms.
  4. All of the above
3. Cookie is used to \_\_\_\_\_.
  1. Get extra information of client.
  2. Allow information to be shared among servers.
  3. Enable the developer to maintain persistent storage.
  4. Provide a temporary data storage with the client for use across multiple requests.
4. Which of the following package contain the JDBC classes?
  1. Java.jdbc
  2. Java.jdbc.sql
  3. Java.sql and javax.sql
  4. Java.rdb
5. Which type of driver provides JDBC access through one or more ODBC driver?
  1. Type 1 driver
  2. Type 2 driver
  3. Type 3 driver
  4. Type 4 driver
6. Which type of statement can execute parameterised queries?
  1. Parameterized Statement
  2. Parameterized & Callable statement
  3. Prepared Statement
  4. All the type of statement
7. To send binary output in a response, the following method of HttpServletResponse may be used to get the appropriate Writer/Stream object?
  1. getStream
  2. getOutputStream
  3. getBinaryStream
  4. getWriter
8. Which of the following is the location of the deployment descriptor?
  1. /WEB-INF/deploy.xml
  2. /web.xml
  3. /deploy.xml
  4. /WEB-INF/web.xml
9. Which of the following is the major difference between servlet and CGI?
  1. Servlets are thread based and CGI is process based
  2. Servlets executes slower compared to CGI
  3. Servlet has no platform specific API, where as CGI has
  4. All of the above
10. Which method is used to specify before any lines that uses the PrintWriter?
  1. setPageType()
  2. setContentType()
  3. setContentType()
  4. setResponseType()
11. Which of the following exception thrown by the service method?
  1. IOException
  2. ServletException
  3. UnavailableException
  4. All of the above
12. Which of the following method in the abstract class HttpServlet is abstract and must be overridden?
  1. protected void service(HttpServletRequest, HttpServletResponse)
  2. protected void doGet(HttpServletRequest, HttpServletResponse)
  3. protected void doPost(HttpServletRequest, HttpServletResponse)
  4. None of the above
13. How does the web tier maintain session state?
  1. A web container provides session management by way of interface HttpSession
  2. The container will try to use a cookie to save user session state on the client
  3. Using getAttribute() and setAttribute() methods allows the web container to maintain the session state
  4. All of the above
14. Which HTTP method gets invoked when a user clicks on a link?
  1. POST method
  2. GET method
  3. HEAD method
  4. PUT method
15. Arrange the lifecycle phases of JSP in correct order.
  1. Page translation: -page is parsed, and a java file which is a Servlet is created.
  2. Page compilation: page is compiled into a class file
  3. Page loading : This class file is loaded.
  4. Create an instance:- Instance of Servlet is created
  5. jspInit() method is called
  6. \_jspService is called to handle service calls
  7. \_jspDestroy is called to destroy it when the Servlet is not required.
  1. 1,2,3,4,5,6,7
  2. 1,4,3,2,5,6,7
  3. 3,2,1,4,5,6,7
  4. 4,5,3,6,2,7,1
16. Which of the following statement is true for the tag?
  1. Can include dynamically generated output.
  2. Provides benefit of automatic recompilation.
  3. Can be used to incorporate contents from static documents
  4. All of the above



17. To show many format on the JSP page we use \_\_\_\_\_ class
1. AirthmaticFormat
  2. CurrencyFormat
  3. NumberFormat
  4. StringBuffer
18. The \_\_\_\_\_ listeners are notified when session objects are created, invalidated, or timed out.
1. Session Attribute
  2. Servlet context attribute
  3. Servlet context listeners
  4. Session Listeners
19. Which of the following is the capability of EJB2.0?
1. Run-as security identity functionality
  2. Local home interface for messages driven beans.
  3. Dirty detection mechanisms to reduce memory footprints.
  4. Read only CMP entity beans
20. Which API is not guaranteed to be supported by EJB2.0 containers?
1. JAXP
  2. JXTA
  3. JNDI
  4. JDBC
21. Which of the following is responsible for ejb-jar files?
1. The bean provider
  2. The application assembler
  3. Both 1 & 2
  4. None of the above
22. Which statement is true for session beans?
1. To ask the EJBHome to remove a session bean, the client must provide the bean's handle.
  2. The bean provider must write the method public void remove() in both stateless and stateful session beans by calling a method on the bean's home.
  3. The <<ejbRemove>> method in the component interface can be used only by remote clients.
  4. Local clients can remove session beans by calling a method on the bean's home.
23. Which of the following is true regarding bean - managed transaction demarcation?
1. A transaction used by a BMT bean must have bean started by the bean.
  2. The caller's transaction will be propagated into a BMT bean.
  3. A bean cannot use both CMT and BMT together.
  4. All of the above
24. Which will survive if EJB crash?
1. Stateful session bean instance
  2. An entity bean's primary key
  3. Stateless session bean instances
  4. Message-driven bean instances
25. Context attribute provide which scope of attribute storage?
1. Application
  2. Client
  3. Session
  4. Local
26. Which of the following interface implemented by a filter?
1. Javax.enterprise.ServletFilter
  2. Javax.servlet.Filter
  3. Javax.servlet.filter.Filter
  4. Javax.servlet.filter.ServletFilter
27. Which of the following is the root element for a deployment descriptor?
1. <deployment>
  2. <web-application>
  3. <web-app>
  4. <descriptor>
28. Which of the following has default session timeout to 1minute?
1. <session-config><session-timeout>1</session-timeout></session-config>
  2. <session-timeout>1</session-timeout>
  3. Both 1 & 2
  4. None of the above
29. Which of the following elements, the deployment descriptor can be used to configure JSPs?
1. <jsp>
  2. <descriptor>
  3. <servlet>
  4. <servlet-config>
30. How can we retrieve keyed values from a previously defined resource bundle?
1. Using<bean:message/>
  2. Using<bean:include/>
  3. Using<bean:header/>
  4. Using<bean:error/>
31. Which method is necessary for Action class?
1. valuator()
  2. reset()
  3. execute()
  4. findForward()
32. We can create how many struts config file in a struts application?
1. Only One
  2. Only Two
  3. Zero
  4. As many we needed
33. When using a form-based authentication, which action must be used in the login form?
1. j\_login
  2. j\_get\_user
  3. j\_security\_check
  4. j\_get\_security
34. Your junior designer has bought you a design that embeds html in print statements and you are concerned that the business and presentation logic are tightly combined. You are concerned that this will make it difficult to modify the display without touching the business logic. Which design pattern could you recommend to help separate presentation design from business logic?
1. Intercepting Filter
  2. Proxy
  3. Business delegate
  4. Model View Controller
35. Which of the following statement is true?
1. The init method is called each time a Servlet service method runs
  2. The init method is called by the container when it is placed into service
  3. The init method cannot be overridden because it is marked as final
  4. None of the these



36. Which of the following statement is true?
1. The service method is called each time a servlet processes a request
  2. The service method is only called the first time a servlet is executed
  3. The service method is called by the container after the helper methods (e.g. doGet and doPost)
  4. The service method is only called when processing an HTTP POST request
37. Which of the following implicit objects contains a map of all servlet initialisation parameters for the JSP?
1. param
  2. paramValues
  3. initParam
  4. None of the above
38. Which of the following is valid value for the <transport-guarantee> element inside a <security-constraint> element of a web application deployment descriptor?
1. NULL
  2. SECURE
  3. INTEGRAL
  4. ENCRYPTED
39. Which of the following is method in JSPTag?
1. JspTag getParent()
  2. Void setParent(JspTag)
  3. Void doTag()
  4. None of the above
40. A JSP page needs to set the property of a given JavaBean to a value that is calculated with the JSP page. Which jsp:setProperty attributes must be used to perform this initialization?
1. param
  2. Id
  3. Val
  4. Name
41. ActionServlet, RequestProcessor and Action classes are the components of \_\_\_\_\_.
1. View
  2. Controller
  3. Model
  4. Deployment
42. Which tag is used along with URI, to specify the tiles framework's tld file?
1. <%@taglib uri="/WEB-INF/tiles.tld" prefix="tiles"%>
  2. <%@taglib url="/WEB-INF/tile.tld" prefix="tiles"%>
  3. <%@taglibs uri="/WEB-INF/tiles.tld" prefix="tiles"%>
  4. <%@taglib uri="/WEB-INF/tlds/tiles.tld" prefix="tiles"%>
43. Which of the following tag is a valid form submission in Struts framework?
1. <html:page-form action="/some-action.do">
  2. <html:form action="/some-action.do">
  3. <jsp:webform action="/some-action.do">
  4. <html:web-form action="/some-action.do">
44. What is the detached state in hibernate?
1. It is the instance of an object that has been persisted but whose session has been closed
  2. It is the instance of an object which has been deleted
  3. It is the instance of an object which has been retrieved by hibernates and whose session has been closed.
  4. It is the instance of an object on which save has been called but hibernate has still in memory and not persisted in database.
45. Can we execute direct sql's in hibernate?
1. Not possible
  2. Using session.createQuery()
  3. Using session.createSQLQuery()
  4. None of the above
46. What is transient object in hibernate?
1. An object instantiated using the new operator and not associated with a Hibernate Session
  2. An object instantiated using the new operator and associated with a Hibernate Session
  3. An object which cannot be persisted
  4. All of the above
47. Which of the following XML elements should be present in a deployment descriptor of a web application so that it can be distributed across multiple JVMs?
1. <distributable/>
  2. <distributable>true</distributable>
  3. <distributed>true</distributed>
  4. <distribute>true</distribute>
48. Local interfaces have declarative \_\_\_\_\_.
1. Transaction and security
  2. Transaction only
  3. Security only
  4. None of the above
49. Which of the following allows easy drag and drop of various report objects into your report?
1. Data Explorer
  2. Outline
  3. Palette
  4. Data Sets
50. A local home or component interface for an EJB can only be used by \_\_\_\_\_.
1. Another EJB
  2. A web-tier client
  3. A business logic-tier client
  4. A client located in the same java virtual Machine (JVM)