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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