J2EE – Enterprise Java

1. The HttpServlet class
1. Extends Servlet class
2. Extends GenericServlet class
3. Implements JavaServlet interface
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.Remotable
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. 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

6. 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. HttpServletContext provides a method to return a RequestDispatcher object for a resource located in a particular path.
4. None of the above

7. Name the class that includes the getSession method that is used to get the HttpSession object.
1. HttpServletRequest   2. HttpServletResponse
3. SessionContext   4. SessionConfig

8. 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 isThreadSage attribute to true for JSP pages, can lead to poor performance.
4. None of the above

9. 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

10. Type 4 database driver, also known as thin driver
1. True
2. False

11. Which of the following is not a JSP scripting element
1. Declarations
2. Scriptlets
3. Expressions
4. HTML Tags

12. 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.

13. 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.

14. 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

15. Read the following code segment
```
<form
action="/scwcd/servlet/com.baboon.scwcd.servl
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
req, HttpServletResponse resp)
3. throws ServletException, IOException {
4. // insert code here
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

16. Java-Beans are components that can run as standalone application.
1. True   2. False

17. java.sql.Connection is an abstract class
1. True   2. False

18. 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.

19. 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

20. DriverManager.getConnection(...) API throws following exception :
1. ClassNotFoundException   2. SQLException
3. SqlConnectionException   4. None of the above

21. 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

22. 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

23. 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.

24. If a JSP page overrides the jspInit() method using a declaration JSP tag, which phase of the JSP page lifecycle generates the overridden method in the servlet?
1. page translation   2. JSP page compilation
3. call jspInit()   4. call _jspService()

25. 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.

26. 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

27. Which of the following attributes are mandatory within the <jsp:setProperty> tag?
1. Name
2. Value
3. Id
4. Property

28. 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

29. If you have a chat server using UDP, which class will you use on server side?
1. ServerSocket
2. Socket
3. DatagramSocket
4. DatagramServerSocket

30. 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_PERMAN
ENTLY, " http://www.cdac.in ");
4. getServletContext().getRequestDispatcher("htt
p://www.cdac.in").forward(req,resp);

31. 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.

32. 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

33. Which method of HttpServletResponse is used to redirect an http request to another URL?
1. SendURL()
2. RedirectURL()
3. RedirectHTTP()
4. SendRedirect()

34. Which HTTP method is not considered as idempotent?
1. Get
2. Post
3. Put
4. Head

35. 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.

36. Which types define the methods getAttribute() and setAttribute()?
1. HttpSession   2. ServletRequest
3. ServletContext   4. All of the above

37. Which interface defines a getSession() method?
1. ServletRequest   2. ServletResponse
3. HttpServletRequest   4. HttpServletResponse

38. Which statement concerning JSP is true?
1. Only jspInit() can be overridden
2. Only jspdestroy() can be overridden
3. Only _jspService() can be overridden
4. both jspInit() and jspDestroy can be overridden

39. 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"%>

40. Which is valid JSP implicit variable?
1. Stream   2. Context
3. Listener   4. Application

41. 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 jspInit()

42. 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; %>

43. 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" />

44. Which element enables JSP to integrate with JavaBeans?
1. Scriptlet   2. Actions
3. Directives   4. Declarations

45. 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

46. 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

47. Which of these methods is used to load the driver?
1. CreateStatement()   2. getConnection()
3. Class.forName()   4. None of the above

48. Given a JSP page with the line:
${101%10}
What will get display?
1. 1   2. 10
3. 101   4. 1001

49. 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.

50. 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

51. ORM stands for _____.
1. Object Relational Mapping   2. Object Relational Methods
3. Object Related Model   4. None of the above

52. Which of the following is a configuration file in hibernate?
1. hibernate.cfg   2. hibernate.cfg.xml
3. hibernate.xml   4. hibernate.hbm

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3. javax.servlet.HttpServlet   4. javax.servlet.http.HttpSession

62. java.sql.Connection is an abstract class
1. True   2. False