**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 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. Type 4 database driver, also known as thin driver

1. True 2. False

12. Which of the following is not a JSP scripting element

1. Declarations 2. Scriptlets

3. Expressions 4. HTML Tags

13. 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.

14. 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.

15. 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

16. 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

17. 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

18. java.sql.Connection is an abstract class

1. True 2. False

19. 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.

20. 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

21. DriverManager.getConnection(...) API throws following exception :

1. ClassNotFoundException 2. SQLException

3. SqlConnectionException 4. None of the above

22. 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

23. 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.

25. 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()

26. 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.

27. 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

28. Which of the following attributes are mandatory within the <jsp:setProperty> tag?

1. Name 2. Value

3. Id 4. Property

29. 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>

30. 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

31. If you have a chat server using UDP, which class will you use on server side?

1. ServerSocket 2. Socket

3. DatagramSocket 4. DatagramServerSocket

32. 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

33. 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.

34. 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.

35. 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);

36. 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.

37. 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

38. Which HTTP method is used to show the client what the server is receiving?

1. Get 2. Put

3. Trace 4. Option

39. Which method of HttpServletResponse is used to redirect an http request to another URL?

1. SendURL() 2. RedirectURL()

3. RedirectHTTP() 4. SendRedirect()

40. Which HTTP method is not considered as idempotent?

1. Get 2. Post

3. Put 4. Head

41. 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();

42. 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()

43. 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.

44. When using a RequestDispatcher, the use of which method can often lead to an IllegalStateException?

1. Read 2. Flush

3. Write 4. GetOutputStream

45. Which types define the methods getAttribute() and setAttribute()?

1. HttpSession 2. ServletRequest

3. ServletContext 4. All of the above

46. Which types of objects can store attributes?

1. ServletConfig 2. HttpServletRequest

3. ServletResponse 4. HtttSessionContext

47. 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.

48. Which interface defines a getSession() method?

1. ServletRequest 2. ServletResponse

3. HttpServletRequest 4. HttpServletResponse

49. 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

50. 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”%>

51. Which is valid JSP implicit variable?

1. Stream 2. Context

3. Listener 4. Application

52. 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()

53. 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; %>

54. 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” />

55. 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.

56. Which element enables JSP to integrate with JavaBeans?

1. Scriptlet 2. Actions

3. Directives 4. Declarations

57. 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

58. 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

59. Which of these methods is used to load the driver?

1. CreateStatement() 2. getConnection()

3. Class.forName() 4. None of the above

60. 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

61. Given a JSP page with the line:

${101%10}

What will get display?

1. 1 2. 10

3. 101 4. 1001

62. 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.

63. ORM stands for \_\_\_\_\_\_\_\_.

1. Object Relational Mapping 2. Object Relational Methods

3. Object Related Model 4. None of the above

64. Which of the following is a configuration file in hibernate?

1. hibernate.cfg 2. hibernate.cfg.xml

3. hibernate.xml 4. hibernate.hbm

65. 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.

67. The HttpServlet class

1. Extends Servlet class 2. Extends GenericServlet class

3. Implements JavaServlet interface 4. Implements GenericServlet interface

68. 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

69. 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

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73. Name the class that includes the getSession method that is used to get the HttpSession object.

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74. 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.

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1. True 2. False

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1. Leave no effect.

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1. <!- - some comment - -> 2. <!- - 2 + 2= <%= 2 + 2 %> - ->

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81. Which interface defines the following method in the servlet API?

public void service (ServletRequest request, ServletResponse response)

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<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");

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83. Java-Beans are components that can run as standalone application.

1. True 2. False

84. java.sql.Connection is an abstract class

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85. 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.

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86. Consider the following piece of code:

String query = "SELECT COF\_NAME, PRICE

FROM COFFEES"; ResultSet rs =

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String s = rs.getString("COF\_NAME");

1. It will result in compile time error.

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class="com.baboon.cardgame.Card" />

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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.

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95. Which of the following attributes are mandatory within the <jsp:setProperty> tag?

1. Name 2. Value

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97. 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>

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100. 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

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1. The order of elements in deployment descriptor is important. The elements must

follow a specific order.

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102. 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.

103. 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

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ENTLY, " http://www.cdac.in ");

4. getServletContext().getRequestDispatcher("htt

p://www.cdac.in”).forward(req,resp);

104. 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.

105. 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