**JDBC, MySql, Servlet and JSP Objective Questions**

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| 1. | How many JDBC driver types does Sun define? |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | One | [B.](javascript: void 0;) | Two | | [C.](javascript: void 0;) | Three | [D.](javascript: void 0;) | Four | |

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| 2. | Where is metadata stored in MySQL? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | In the MySQL database *metadata* | | [B.](javascript: void 0;) | In the MySQL database *metasql* | | [C.](javascript: void 0;) | In the MySQL database *mysql* | | [D.](javascript: void 0;) | None of the above is correct. | |

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| 3. | Who invented Java? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Netscape | | [B.](javascript: void 0;) | Microsoft | | [C.](javascript: void 0;) | Sun | | [D.](javascript: void 0;) | None of the above is correct. | |

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| 4. | To run a compiled Java program, the machine must have what loaded and running? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Java virtual machine | | [B.](javascript: void 0;) | Java compiler | | [C.](javascript: void 0;) | Java bytecode | | [D.](javascript: void 0;) | A Web browser | |

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| 5. | Which JDBC driver Type(s) can be used in either applet or servlet code? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Both Type 1 and Type 2 | | [B.](javascript: void 0;) | Both Type 1 and Type 3 | | [C.](javascript: void 0;) | Both Type 3 and Type 4 | | [D.](javascript: void 0;) | Type 4 only | |

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| 6. | \_\_\_\_\_\_\_\_ is an open source DBMS product that runs on UNIX, Linux and Windows. |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | MySQL | | [B.](javascript: void 0;) | JSP/SQL | | [C.](javascript: void 0;) | JDBC/SQL | | [D.](javascript: void 0;) | Sun ACCESS | |

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| 7. | What is sent to the user via HTTP, invoked using the HTTP protocol on the user's computer, and run on the user's computer as an application? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | A Java application | | [B.](javascript: void 0;) | A Java applet | | [C.](javascript: void 0;) | A Java servlet | | [D.](javascript: void 0;) | None of the above is correct. | |

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| 8. | What MySQL property is used to create a surrogate key in MySQL? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | UNIQUE | | [B.](javascript: void 0;) | SEQUENCE | | [C.](javascript: void 0;) | AUTO\_INCREMENT | | [D.](javascript: void 0;) | None of the above -- Surrogate keys are not implemented in MySQL. | |

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| 9. | What is **not** true of a Java bean? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | There are no public instance variables. | | [B.](javascript: void 0;) | All persistent values are accessed using get*xxx* and set*xxx* methods. | | [C.](javascript: void 0;) | It may have many constructors as necessary. | | [D.](javascript: void 0;) | All of the above are true of a Java bean. | |

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| 10. | A JSP is transformed into a(n): |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Java applet. | | [B.](javascript: void 0;) | Java servlet. | | [C.](javascript: void 0;) | Either 1 or 2 above. | | [D.](javascript: void 0;) | Neither 1 nor 2 above. | |

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| 11. | Which JDBC driver Type(s) can you use in a three-tier architecture and if the Web server and the DBMS are running on the same machine? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Type 1 only | | [B.](javascript: void 0;) | Type 2 only | | [C.](javascript: void 0;) | Both Type 3 and Type 4 | | [D.](javascript: void 0;) | All of Type 1, Type 2, Type 3 and Type 4 | |

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| 12. | What programming language(s) or scripting language(s) does Java Server Pages (JSP) support? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | VBScript only | | [B.](javascript: void 0;) | Jscript only | | [C.](javascript: void 0;) | Java only | | [D.](javascript: void 0;) | All of the above are supported | |

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| 13. | What servlet processor was developed by Apache Foundation and Sun? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Apache Tomcat | | [B.](javascript: void 0;) | Apache Web server | | [C.](javascript: void 0;) | Sun servlet processor | | [D.](javascript: void 0;) | None of the above is correct. | |

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| 14. | What is bytecode? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Machine-specific code | | [B.](javascript: void 0;) | Java code | | [C.](javascript: void 0;) | Machine-independent code | | [D.](javascript: void 0;) | None of the above is correct. | |

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| 15. | What is invoked via HTTP on the Web server computer when it responds to requests from a user's Web browser? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | A Java application | | [B.](javascript: void 0;) | A Java applet | | [C.](javascript: void 0;) | A Java servlet | | [D.](javascript: void 0;) | None of the above is correct. | |

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| 16. | Which JDBC driver Type(s) is(are) the JDBC-ODBC bridge? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Type 1 | | [B.](javascript: void 0;) | Type 2 | | [C.](javascript: void 0;) | Type 3 | | [D.](javascript: void 0;) | Type 4 | |

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| 17. | How many copies of a JSP page can be in memory at a time? |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | One | [B.](javascript: void 0;) | Two | | [C.](javascript: void 0;) | Three | [D.](javascript: void 0;) | Unlimited | |

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| 18. | Which JDBC driver Types are for use over communications networks? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Type 3 only | | [B.](javascript: void 0;) | Type 4 only | | [C.](javascript: void 0;) | Both Type 3 and Type 4 | | [D.](javascript: void 0;) | Neither Type 3 nor Type 4 | |

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| 19. | JDBC stands for: |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Java Database Connectivity | | [B.](javascript: void 0;) | Java Database Components | | [C.](javascript: void 0;) | Java Database Control | | [D.](javascript: void 0;) | None of the above is correct. | |

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| 20. | How does Tomcat execute a JSP? |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | As a CGI script | | [B.](javascript: void 0;) | As an independent process | | [C.](javascript: void 0;) | By one of Tomcat's threads | | [D.](javascript: void 0;) | None of the above is correct. | |

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| 1. | MySQL is just as powerful as Oracle and is half the price. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 2. | Java programs are compiled into bytecode. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 3. | JDBC Type 2 drivers connect to the native API of the DBMS. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 4. | MySQL surrogate keys are given the property AUTO\_INCREMENT. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 5. | A servlet is a Java program that is invoked via HTTP on the Web server. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 6. | Apache Web server does not support servlets. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 7. | MySQL maintains metadata in the database *meta\_sql*. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 8. | The JVM (Java virtual machine) interprets Java bytecode at run time. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 9. | JSP pages provide a means to create dynamic Web pages using HTML and the Java programming language. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 10. | MySQL is pronounced "my See-quel." |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 11. | Java bytecode is machine-specific code. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 12. | Even though Java is machine-independent, JSPs are not. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 13. | An applet is a Java bytecode program that is sent to the user via HTTP and is invoked using the HTTP protocol on the user's computer. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 14. | With JSP, the coding is done in Java and only in Java. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 15. | Sun defines four JDBC driver types. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 16. | Java and C/C++ are so close that there are no incompatibilities between them. Therefore, a driver is not necessary. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 17. | JSP and ASP not only look alike but their underlying technology is quite similar. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 18. | Type 3 and Type 4 JDBC drivers can be used for sevlets and applets. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

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| 19. | JDBC Type 1 drivers are JDBC-ODBC bridge drivers. |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | True | [B.](javascript: void 0;) | False | |

1. The Java \_\_\_\_\_\_\_\_\_\_ specification defines an application programming interface for communication between the Web server and the application program.  
   a) Servlet  
   b) Server  
   c) Program  
   d) Randomize
2. The doGet() method in the example extracts values of the parameter’s type and number by using \_\_\_\_\_\_\_\_\_\_  
   a) request.getParameter()  
   b) request.setParameter()  
   c) responce.getParameter()  
   d) responce.getAttribute()
3. How many JDBC driver types does Sun define?  
   a) One  
   b) Two  
   c) Three  
   d) Four
4. Which JDBC driver Type(s) can be used in either applet or servlet code?  
   a) Both Type 1 and Type 2  
   b) Both Type 1 and Type 3  
   c) Both Type 3 and Type 4  
   d) Type 4 only
5. What MySQL property is used to create a surrogate key in MySQL?  
   a) UNIQUE  
   b) SEQUENCE  
   c) AUTO\_INCREMENT  
   d) None of the mentioned
6. A JSP is transformed into a(n):  
   a) Java applet  
   b) Java servlet  
   c) Either 1 or 2 above  
   d) Neither 1 nor 2 above
7. 7. Which JDBC driver Type(s) is(are) the JDBC-ODBC bridge?  
   a) Type 1  
   b) Type 2  
   c) Type 3  
   d) Type 4Answer:a  
   Explanation:In a Type 1 driver, a JDBC bridge is used to access ODBC drivers installed on each client machine.

8. What programming language(s) or scripting language(s) does Java Server Pages (JSP) support?  
a) VBScript only  
b) Jscript only  
c) Java only  
d) All of the above are supported

1. Answer:c  
   Explanation:JSP primarily uses Java for the certain codes.

9. What is bytecode?  
a) Machine-specific code  
b) Java code  
c) Machine-independent code  
d) None of the above is correct

1. Answer:c  
   Explanation:Java bytecode is the form of instructions that the Java virtual machine executes. Each bytecode opcode is one byte in length, although some require parameters, resulting in some multi-byte instructions.

10. Where is metadata stored in MySQL?  
a) In the MySQL database metadata  
b) In the MySQL database metasql  
c) In the MySQL database mysql  
d) None of the mentioned

1. JSP embeds in ................ in ......................

A) Servlet, HTML

B) HTML, Java

C) HTML, Servlet

D) Java, HTML

2. The class at the top of exception class hierarchy is ..........................

A) ArithmeticException

B) Throwable

C) Class

D) Exception

3. In a java program, package declaration .................... import statements.

A) must precede

B) must succeed

C) may precede or succeed

D) none

4. The class string belongs to ................... package.

A) java.awt

B) java.lang

C) java.applet

D) java.string

5. ............... package is used by compiler itself. So it does not need to be imported for use.

A) java.math

B) java.awt

C) java.applet

D) java.lang

6. State true or false for the following statements in Java.

i) Java beans slow down software development process.

ii) Java Servlets do not have built in multithreading feature.

A) i-false, ii-false

B) i-false, ii-true

C) i-true, ii-false

D) i-true, ii-true

7. State whether true or false.

i) init( ) of servlet is called after a client request comes in

ii) Servlets are ultimately converted into JSP

A) i-false, ii-false

B) i-false, ii-true

C) i-true, ii-false

D) i-true, ii-true

8. What will be the result of compiling following code.

public class MyClass{

     public static void main(string args[]){

           system.out.println("In first main()");

     }

public static void main(char args[]){

          system.out.println('a);

     }

}

A) Code will not compile and will give "Duplicate main() method declaration" error

B) Code will compile correctly but will give a runtime  exception

C) Code will compile correctly and will print "In first main()" (without quotes) when it is run

D) Code will compile correctly and will print "a" (without quotes) when it is run

9.Match the following.

a) Java                      1) is a tool for debugging java program

b) Javah                    2) is a tool for creating C-like header files

c) Javap                    3) runs java bytecode

d) jdb                        4) prints java code representation

A) a-3, b-2,c-1

B) a-3, b-2, c-4, d-1

C) a-1, b-2, c-3, d-4

D) a-2, b-1, c-3, d-4

10.State true or false.

i) init() is called after start() in applet

ii) applets are used for networking

iii) inheritance is a part of Java Foundation Classes

iv) final does not prevent inheritance

A) i-true, ii-true, iii-false, iv-true

B) i-false, ii-false, iii-false, iv-false

C) i-true, ii-true, iii-true, iv-true

D) i-true, ii-false, iii-false, iv-false

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| **1. Given a web application ShoopingCart with 2 files: ShoppingCart/customer/ addProductToCart.jsp ShoppingCart/customer/ showCart.jsp which of the following code are valid in addProductToCart.jsp to dispatch request to the showCart.jsp?** |
| RequestDispatcher nextView = request.getRequestDispatcher("/customer/showCart.jsp"); |
| RequestDispatcher nextView = request.getRequestDispatcher("/showCart.jsp"); |
| RequestDispatcher nextView = getServletContext().request.getRequestDispatcher("showCart.jsp"); |
| RequestDispatcher nextView = getServletContext().request.getRequestDispatcher("../customer/showCart.jsp"); |
| **2. In the web.xml , session configuration is < session-config> < session-timeout>0<session-timeout> < /session-config>  What does this means?** |
| Session are never invalidated. |
| Sessions are never created. |
| Session timeout is 0 so sessions never get created. |
| None of the above |

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| **3. Which of the following statements are correct about the status of the Http response. Select the one correct answer.** |
| A status of 200 to 299 signifies that the request was successful. |
| A status of 300 to 399 are informational messages. |
| A status of 400 to 499 indicates an error in the server. |
| A status of 500 to 599 indicates an error in the client. |
| **4. Is the following statement true or false. URL rewriting may be used when a browser is disabled. In URL encoding the session id is included as part of the URL.** |
| True |
| False |

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| **5. Name the class that includes the getSession method that is used to get the HttpSession object.** |
| HttpServletRequest |
| HttpServletResponse |
| SessionContext |
| SessionConfig |
| **6. A user types the URL http://www.withoutbook.com/Blog.php . Which HTTP request gets generated. Select the one correct answer.** |
| GET method |
| POST method |
| HEAD method |
| PUT method |

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| **7. Which HTTP method gets invoked when a user clicks on a link? Select the one correct answer.** |
| GET method |
| POST method |
| HEAD method |
| PUT method |
| **8. In the init(ServletConfig) method of Servlet life cycle, what method can be used to access the ServletConfig object?** |
| getServletInfo() |
| getServletConfig() |

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| **9. Which of the following are the methods defined in ServletContextListener interface?** |
| public void servletContextDestroyed(ServletContext ctx) |
| public void contextInitialized(ServletContextEvent event) |
| public void servletContextInitialized(ServletContextEvent event) |
| public void contextInitEvent(ServletContextEvent event) |
| **10. Which of the following method sets application / context init parameter?** |
| setParameter(String name,String value); |
| Its not possible in the method. |
| setParameter(String name,Object value); |
| setParameter(Object name,Object value); |

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| **11. My Application has a servlet, which do addition as shown below and sets the value in context scope. It then prints the result.  public void doGet(HttpServletRequest req, HttpServletResponse resp) { PrintWriter out=response.getWriter(); param\_1 = request.getParameter("Param1"); param\_2 = request.getParameter("Param2"); getServletContext.setAttribute("result",(param\_1 + param\_2)); response. out.print("Result =="+getServletContext.getAttribute("result")); }  But sometimes I get wrong results.How can I fix it?** |
| By Putting the "result" attribute in session scope. |
| By Putting the "result" attribute in request scope. |
| Its not possible by synchronizing methods or blocks. |
| **12. Which of the following statements are true?** |
| The Context attributes are thread safe. |
| The Servlet instance variables are not thread safe. |
| If a servlet is not using "SingleThreadModel" then, if n clients access a servlet, there will be n instances of the servlet. |

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| **13. In which of the following cases the request.getAttribute() will be helpful?** |
| If a servlet or jsp is invoked using sendRedirect method. |
| If a servlet or jsp is invoked using forward method. |
| If a servlet or jsp is invoked using a hyperlink in the page. |
| If a servlet or jsp is invoked if when form submits. |
| **14. What is the result of following code, given there already exists a header by name "TestHeader".  response.addHeader("TestHeader","TEST VALUE");** |
| The "TEST VALUE" will be replaced by headers old value. |
| The "TEST VALUE" will be appended to the old value of the header. |
| Exception. |
| None of the above. |

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| **15. The method getWriter returns an object of type PrintWriter. This class has println methods to generate output. Which of these classes define the getWriter method? Select the one correct answer.** |
| HttpServletRequest |
| HttpServletResponse |
| ServletConfig |
| ServletContext |
| **16. The sendRedirect method defined in the HttpServlet class is equivalent to invoking the setStatus method with the following parameter and a Location header in the URL. Select the one correct answer.** |
| SC\_OK |
| SC\_MOVED\_TEMPORARILY |
| SC\_NOT\_FOUND |
| SC\_INTERNAL\_SERVER\_ERROR |

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| **17. To send binary output in a response, the following method of HttpServletResponse may be used to get the appropriate Writer/Stream object. Select the one correct answer.** |
| getStream |
| getOutputStream |
| getBinaryStream |
| getWriter |
| **18. Which of the following are correct statements? Select the correct answer.** |
| The include method defined in the RequestDispatcher class can be used to access one servlet from another. But it can be invoked only if no output has been sent to the server. |
| The getRequestDispatcher(String URL) is defined in both ServletContext and HttpServletRequest method |
| The getNamedDispatcher(String) defined in HttpServletRequest class takes the name of the servlet and returns an object of RequestDispatcher class. |
| None of above |

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| **19. Which of the following is not a valid HTTP/1.1 method. Select the one correct answer.** |
| CONNECT method |
| COMPARE method |
| OPTIONS method |
| TRACE method |
| **20. Name the http method used to send resources to the server. Select the one correct answer.** |
| FTP method |
| PUT method |
| WRITE method |
| COPY method |

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| **21. Name the http method that sends the same response as the request. Select the one correct answer.** |
| DEBUG method |
| TRACE method |
| OPTIONS method |
| HEAD method |
| **22. Which of the following statements are true about setHeader() and addHeader() methods?** |
| setHeader() sets an existing header, but it will not add any new header. |
| addHeader() replaces existing header value if the header already exists. |
| addHeader() adds an additional value to an existing header |

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| **23. Which HTTP method is used by the client to check what server receives when request is made?** |
| GET |
| OPTIONS |
| TRACE |
| PUT |
| **24. My application has a servlet, which do addition as shown on given values and sets the value in context scope. It then prints the result.   PrintWriter out=response.getWriter(); param\_1 = request.getParameter("Param1"); param\_2 = request.getParameter("Param2"); getServletContext.setAttribute("result",(param\_1 + param\_2)); response. out.print("Result =="+getServletContext.getAttribute("result"));  But sometimes I get wrong results. What do you think might be the reason?** |
| The client must be disoperating the servlet call |
| The request attributes set are -ve numbers |
| Many clients must be accessing the servlet |
| The setAttribute method is not written properly. |

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| **25. In a web application, running in a webserver, who is responsible for creating request and response objects?** |
| Web server |
| Servlet |
| Container |
| Client |
| **26. Name the method defined in the HttpServletResponse class that may be used to set the content type. Select the one correct answer.** |
| setType |
| setContent |
| setContentType |
| setResponseContentType |

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| **27. The sendError method defined in the HttpServlet class is equivalent to invoking the setStatus method with the following parameter. Select the one correct answer.** |
| SC\_OK |
| SC\_MOVED\_TEMPORARILY |
| SC\_NOT\_FOUND |
| SC\_INTERNAL\_SERVER\_ERROR |
| **28. Which three digit error codes represent an error in request from client? Select the one correct answer.** |
| Codes starting from 200 |
| Codes starting from 300 |
| Codes starting from 400 |
| Codes starting from 500 |

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| **29. Name the location of compiled class files within a war file? Select the one correct answer.** |
| /META-INF/classes |
| /classes |
| /WEB-INF/classes |
| /root/classes |
| **30. I have a web application on tomcat. Here many servlets open their own separate connection to database. To optimize this application, I decided to ask all servlet developers to use same db connection. I need to initialize this connection, before any servlet / jsp will be accessed. I got following suggestions from my developers.   Which is the best way to do it?** |
| Initialize connection in the servlet itself and save connection |
| Putting the connection in the webapps init parameter |
| Make the connection code in a filter for every servlet and save the connection. |
| Make the connection in a context listener and save it. |

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| **31. I have an attribute class   Class User{ String name; String address; String phoneNo; boolean isLogged; } This class will be added to the session when user logs in and removed from the session when user logs out.  I want its isLogged flag to be changed when user login and logs out.  Using which listener I can do it?** |
| javax.servlet.ServletContextAttributeListener |
| javax.servlet.ServletSessionAttributeListener |
| javax.servlet.http.HttpSessionAttributeListener |
| javax.servlet.http.HttpSessionBindingListener |
| **32. Which of the following methods can be used to get information about parameters applied to entire application?** |
| ServletConfig.getParameter(); |
| ServletContext.getAttributeNames(); |
| ServletContext.getParameterNames(); |
| ServletContext.getInitParameterNames(); |

|  |
| --- |
| **33. Which of the following statement is correct. Select the one correct answer.** |
| The response from the dedicated server to a HEAD request consists of status line, content type and the document. |
| The response from the server to a GET request does not contain a document. |
| The setStatus method defined in the HttpServletRequest class takes an int as an argument and sets the status of Http response |
| The HttpServletResponse defines constants like SC\_NOT\_FOUND that may be used as a parameter to setStatus method. |
| **34. To send text output in a response, the following method of HttpServletResponse may be used to get the appropriate Writer/Stream object. Select the one correct answer.** |
| getStream |
| getOutputStream |
| getBinaryStream |
| getWriter |

|  |
| --- |
| **35. When using HTML forms which of the folowing is true for POST method? Select the one correct answer.** |
| POST allows users to bookmark URLs with parameters. |
| The POST method should not be used when large amount of data needs to be transferred. |
| POST allows secure data transmission over the http method. |
| POST method sends data in the body of the request. |

|  |
| --- |
| **1. JSP stands for \_\_ ?** |
| Java Server Pages |
| Java Service Page |
| **2. What is a Hidden Comment in JSP?** |
| <%-- --%> |
| <%-- %> |

|  |
| --- |
| **3. What is a Expression in JSP?** |
| <%= %> |
| <% %> |
| **4. pageContext is an implicit object in jsp.** |
| TRUE |
| FALSE |

|  |
| --- |
| **5. config is an implicit object in jsp.** |
| TRUE |
| FALSE |
| **6. What is the result of adding following header? response.addDateHeader("Expires",-1);** |
| To ensure the page does not get cached at the client browsers. |
| To ensure the page is accessible on any date and page doesnt get expired. |

|  |
| --- |
| **7. Given following form: < form action="register.do"> <input type="text" name="Name"> <input type="submit" value="Save">  < /form>  and a servlet code: public class RegisterServlet extends HttpServlet{ pulic void doPost(HttpServletRequest req, HttpServletResponse res) { // registration logic goes here return; } }  With the above code, assuming the servlet is configured properly and registration logic works good, trying to register user fails.  Choose one reason.** |
| The registration fails because, above servlet dont have doGet() method. |
| The registration fails because, above servlet dont have service() method. |
| **8. Which of the following statements is true regarding the scope of 'request' in JSP?** |
| Objects with request scope are accessible from pages processing the same request where they were created. |
| All references to the object shall be released after the request is processed; in particular, if the request is forwarded to a resource in the same runtime, the object is still reachable. |
| References to objects with request scope are stored in the request object. |
| All of the above. |

|  |
| --- |
| **9. The response.sendRedirect("..."); is the response implicit object to redirect the browser to the different resource?** |
| true |
| false |
| **10. The JspPage interface defines the \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_ method which the page writer can use in their pages and are invoked in much the same manner as the \_\_\_\_ and \_\_\_\_\_ methods of a servlet.** |
| jspInit(), jspDestroy(), init() , destroy() |
| init(),jspDestroy(),jspInit(),destroy() |
| destroy(),jspDestroy(),jspInit(),init() |
| init(),destroy(),jspInit(), jspDestroy() |

|  |
| --- |
| **11. URL encoding is the method of replacing all the spaces and other extra characters into their corresponding \_\_\_\_\_\_\_ Characters?** |
| Hex |
| Binary |
| Octal |
| Decimal |
| **12. The browsers are only required to accept\_\_\_\_\_\_\_\_ cookies per site?** |
| 20 |
| 30 |
| 22 |
| 24 |

|  |
| --- |
| **13. Which of the scripting of JSP not putting content into service method of the converted servlet?** |
| Declarations |
| Scriptlets |
| Expressions |
| None of the above |
| **14. All the \_\_\_\_\_\_\_\_\_\_\_ data is kept at the application server \_\_\_\_\_\_\_\_\_\_\_ data is kept at the web server?** |
| dynamic, static |
| static, dynamic |
| HTML, Servlet |
| Servlet, HTML |

|  |
| --- |
| **15. The jsp:plugin tag is used to insert the browser-specific OBJECTS and EMBED elements?** |
| true |
| false |
| **16. JSP technology is extensible?** |
| true |
| false |

|  |
| --- |
| **17. The maximum length of the session Id(length identifier) is \_\_\_\_\_\_\_\_\_\_\_?** |
| 4k |
| 2k |
| 1k |
| 8k |
| **18. The < % return; % > simply aborts the processing of JSP?** |
| true |
| false |

|  |
| --- |
| **19. URLConnection instance represents a link for accessing or communicating with the resource at the location?** |
| true |
| false |
| **20. Fill in the blanks -- Sharing of session data across multiple load balanaced web servers is called \_\_\_\_\_\_\_\_\_\_\_\_\_ ?** |
| Clustering |
| ShareWeb |
| loadBalancer |
| None of the above |

|  |
| --- |
| **21. What tools can be used to generate the multiple views in jsp?** |
| xalan-J |
| Saxon |
| Jdk1.5 |
| None of the above |
| **22. Can a JSP process HTML form data?** |
| true |
| false |

|  |
| --- |
| **23. To show money format on the JSP page we use \_\_\_\_\_\_\_\_\_\_ class?** |
| NumberFormat |
| StringBuffer |
| CurrencyFormat |
| AirthmaticFormat |
| **24. Can we implement an interface in a JSP?** |
| Yes |
| No |

|  |
| --- |
| **25. The Page directive in JSP is defined as follows: Then which of the implicit objects won’t be available ?** |
| session, request |
| session, exception |
| **26. What is a Declaration in jsp?** |
| <%= %> |
| <%! %> |

|  |
| --- |
| **27. What is a Scriptlet in JSP?** |
| <%= %> |
| <% %> |
| **28. Which of the following statements are true about GET and POST methods?** |
| In POST parameters are sent in one of the request headers |
| In GET, parameters are appended to the request line |

|  |
| --- |
| **29. If the session object is invalidated can it be again regained or refreshed?** |
| Yes |
| No |
| **30. What is a translation unit?** |
| JSP page can include the contents of other HTML pages or other JSP files. |
| When the JSP engine is presented with such a JSP page it is converted to one Servlet class and this is called a translation unit, |
| In a translation unit is that page directives affect the whole unit, one variable declaration cannot occur in the same unit more than once, the standard action jsp:useBean cannot declare the same bean twice in one unit. |
| All of the above |

**1. To get the servlet environment information**

|  |
| --- |
| ServletConfig object is used |
| ServletException object is used |
| ServletContext object is used |
| ServletContainer object is used |

**2. The life cycle of a servlet is managed by**

|  |
| --- |
| servlet context |
| servlet container |
| the supporting protocol (such as http or https) |
| all of the above |

**3. The init parameter name and value pairs that are defined in web.xml file are handled by**

|  |
| --- |
| ServletConfig object |
| ServletContext object |
| ServletRequest object |
| ServletResponse object |

**4. Servlet mapping defines**

|  |
| --- |
| an association between a URL pattern and a servlet |
| an association between a URL pattern and a request page |
| an association between a URL pattern and a response page |
| All of the above |

**5. The method forward(request,response) will**

|  |
| --- |
| return back to the same method from where the forward was invoked |
| not return back to the same method from where the forward was invoked and the web pages navigation continues |
| Both A and B are correct |
| None of the above |

**6. The include() method of RequestDispatcher**

|  |
| --- |
| sends a request to another resource like servlet, jsp or html |
| includes resource of file like servlet, jsp or html |
| appends the request and response objects to the current servlet |
| None of the above |

**7. What is the limit of data to be passed from HTML when doGet() method is used?**

|  |
| --- |
| 4K |
| 8K |
| 2K |
| 1K |

**8. A deployment descriptor describes**

|  |
| --- |
| web component response settings |
| web component settings |
| web component request objects |
| All of the above |

**9. Which of the following are the session tracking techniques?**

|  |
| --- |
| URL rewriting, using session object, using response object, using hidden fields |
| URL rewriting, using session object, using cookies, using hidden fields |
| URL rewriting, using servlet object, using response object, using cookies |
| URL rewriting, using request object, using response object, using session object |

**10. A servlet maintain session in**

|  |
| --- |
| Servlet container |
| Servlet context |
| Servlet request heap |
| Servlet response heap |

**11. Dynamic interception of requests and responses to transform the information is done by**

|  |
| --- |
| servlet container |
| servlet config |
| servlet context |
| servlet filter |

**12. The values of <servlet-name> and <servlet-class> in web.xml file**

|  |
| --- |
| must be same |
| must not be same |
| may be same |
| None of the above |

**13. RequestDispatcher object is used**

|  |
| --- |
| to include other resources |
| to include an image |
| to include xml object |
| to include e-mailing response |

**14. The major difference between servlet and CGI is**

|  |
| --- |
| Servlets are thread based and CGI is process based |
| Servlets executes slower compared to CGI |
| Servlet has no platform specific API, where as CGI has |
| All of the above |

**15. What are the mechanisms available in ServletContextListener interface?**

|  |
| --- |
| contextInit(), contextService(), contextDestroyed() |
| contextInitialized((),contextDestroyed() |
| contextInitialized(), contextService(), contextDestroyed() |
| None of the above |

**16. The tasks – authentication-blocking of requests, data compression, logging and auditing – are performed by**

|  |
| --- |
| servlet filter |
| servlet config |
| servlet context |
| servlet container |

**17. Which method is used to specify before any lines that uses the PintWriter?**

|  |
| --- |
| setPageType() |
| setContextType() |
| setContentType() |
| setResponseType() |

**18. How many ServletContext objects are available for an entire web application?**

|  |
| --- |
| One each per servlet |
| One each per request |
| One each per response |
| Only one |

#### **19. What's the difference between servlets and applets? 1.Servlets executes on Servers, where as Applets executes on Browser 2.Servlets have no GUI, where as an Applet has GUI 3.Servlets creates static web pages, where as Applets creates dynamic web pages 4.Servlets can handle only a single request, where as Applet can handle multiple requests**

**20. The getSession() method with ‘true’ as its parameter [ getSession(true) ] it will return the appropriate session object when**

|  |
| --- |
| the session is completed |
| the session object is passed to another method |
| the session does not exists |
| the session is existing |

|  |  |  |
| --- | --- | --- |
| 1. | What are the mechanisms available in ServletContextListener interface? | |
| [A] | | contextInit(), contextService(), contextDestroyed() |
| [B] | | contextInitialized((),contextDestroyed() |
| [C] | | contextInitialized(), contextService(), contextDestroyed() |
| [D] | | None of the above |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 2. | A deployment descriptor describes | |
| [A] | | web component response settings |
| [B] | | web component settings |
| [C] | | web component request objects |
| [D] | | All of the above |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 3. | Dynamic interception of requests and responses to transform the information is done by | |
| [A] | | servlet container |
| [B] | | servlet config |
| [C] | | servlet context |
| [D] | | servlet filter |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 4. | The life cycle of a servlet is managed by | |
| [A] | | servlet context |
| [B] | | servlet container |
| [C] | | the supporting protocol (such as http or https) |
| [D] | | all of the above |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 5. | The include() method of RequestDispatcher | |
| [A] | | sends a request to another resource like servlet, jsp or html |
| [B] | | includes resource of file like servlet, jsp or html |
| [C] | | appends the request and response objects to the current servlet |
| [D] | | None of the above |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 6. | The method forward(request,response) will | |
| [A] | | return back to the same method from where the forward was invoked |
| [B] | | not return back to the same method from where the forward was invoked and the web pages navigation continues |
| [C] | | Both A and B are correct |
| [D] | | None of the above |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 7. | What is the limit of data to be passed from HTML when doGet() method is used? | |
| [A] | | 4K |
| [B] | | 8K |
| [C] | | 2K |
| [D] | | 1K |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 8. | The getSession() method with â€˜trueâ€™ as its parameter [ getSession(true) ] it will return the appropriate session object when | |
| [A] | | the session is completed |
| [B] | | the session object is passed to another method |
| [C] | | the session does not exists |
| [D] | | the session is existing |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 9. | Which of the following are the session tracking techniques? | |
| [A] | | URL rewriting, using session object, using response object, using hidden fields |
| [B] | | URL rewriting, using session object, using cookies, using hidden fields |
| [C] | | URL rewriting, using servlet object, using response object, using cookies |
| [D] | | URL rewriting, using request object, using response object, using session object |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 10. | What's the difference between servlets and applets?   1.Servlets executes on Servers, where as Applets executes on Browser  2.Servlets have no GUI, where as an Applet has GUI  3.Servlets creates static web pages, where as Applets creates dynamic web pages  4.Servlets can handle only a single request, where as Applet can handle multiple requests | |
| [A] | | 1,2,3 are correct |
| [B] | | 1,2 are correct |
| [C] | | 1,3 are correct |
| [D] | | 1,2,3,4 are correct |

양식의 맨 아래

|  |  |  |
| --- | --- | --- |
| 11. | Which method is used to specify before any lines that uses the PintWriter? | |
| [A] | | setPageType() |
| [B] | | setContextType() |
| [C] | | setContentType() |
| [D] | | setResponseType() |

1)A Proxy design [pattern](http://www.javaranch.com/patterns/) is one where a surrogate or placeholder for an object is used to communicate with an object that is not locally available. Which of the following [J2EE](http://www.coderanch.com/forums/f-11/EJB-JEE) technologies use proxies that are visible to a developer?   
a) JNDI   
b) RMI   
c) [JSP](http://www.coderanch.com/forums/f-50/JSP)   
d) [EJB](http://www.coderanch.com/forums/f-11/EJB-JEE)   
Multiple Select - Please select all of the correct answers (this question has 2 correct choices).   
2)When designing a distributed system, remote access to fine-grained objects should be avoided. Why?   
a) Thinner clients are possible with coarse-grained objects.   
b) Fine-grained objects result in increased network traffic.   
c) Fine-grained objects are hard to develop and maintain.   
  
Multiple Select - Please select all of the correct answers (this question has 2 correct choices).   
3)When comparing [servlets](http://www.coderanch.com/forums/f-7/Servlets) and JSPs, which of the following are true?   
a) JSPs provide better performance than servlets.   
b) JSPs may call servlets and servlets may also call JSPs.   
c) A JSP must be compiled into a [servlet](http://www.coderanch.com/forums/f-7/Servlets) before it can be used.   
d) Initialization and destruction behavior is supported in both servlets and JSPs.   
  
Multiple Select - Please select all of the correct answers (this question has 2 correct choices).   
  
  
4)   
Which of the following are true with respect to state management in a web application?   
  
a) Type of database ( DB2 UDB, Oracle, Sybase, or InstantDB )   
  
b) URL Rewriting is an alternative to using cookies.   
  
c) URL Rewriting does not require any client side configuration.   
  
d) [HttpSession](http://docs.oracle.com/javaee/7/api/javax/servlet/http/HttpSession.html) information is available to JavaScript code in a web page.   
  
Multiple Select - Please select all of the correct answers (this question has 2 correct choices).   
5)   
Implementing the [SingleThreadModel](http://docs.oracle.com/javaee/7/api/javax/servlet/SingleThreadModel.html) interface :   
  
a) requires all servlet methods be declared as synchronized.   
  
b) guarantees that synchronization problems will never occur.   
  
c) may have a negative impact on performance.   
  
d) prevents multiple HTTP request threads from accessing a single servlet instance concurrently.