1. Which of the following is legal JSP syntax to print the value of i. Select the one correct answer
   1. <%int i = 1;%>  
      <%= i; %>
   2. <%int i = 1;  
      i; %>
   3. <%int i = 1%>  
      <%= i %>
   4. <%int i = 1;%>  
      <%= i %>
   5. <%int i = 1%>  
      <%= i; %>
2. A JSP page called test.jsp is passed a parameter name in the URL using http://localhost/test.jsp?name="John". The test.jsp contains the following code.  
     
   <%! String myName=request.getParameter();%>  
   <% String test= "welcome" + myName; %>  
   <%= test%>
   1. The program prints "Welcome John"
   2. The program gives a syntax error because of the statement  
      <%! String myName=request.getParameter();%>
   3. The program gives a syntax error because of the statement  
      <% String test= "welcome" + myName; %>
   4. The program gives a syntax error because of the statement  
      <%= test%>
3. 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.
4. Which of the following JSP variables are not available within a JSP expression? Select the one correct answer.
   1. out
   2. session
   3. request
   4. response
   5. httpsession
   6. page
5. A bean with a property color is loaded using the following statement  
   <jsp:usebean id="fruit" class="Fruit"/>   
   Which of the following statements may be used to print the value of color property of the bean. Select the one correct answer.
   1. <jsp:getColor bean="fruit"/>
   2. <jsp:getProperty id="fruit" property="color"/>
   3. <jsp:getProperty bean="fruit" property="color"/>
   4. <jsp:getProperty name="fruit" property="color"/>
   5. <jsp:getProperty class="Fruit" property="color"/>
6. A bean with a property color is loaded using the following statement  
   <jsp:usebean id="fruit" class="Fruit"/>   
   What happens when the following statement is executed. Select the one correct answer.  
   <jsp:setProperty name="fruit" property="\*"/>
   1. This is incorrect syntax of <jsp:setProperty/> and will generate a compilation error. Either value or param must be defined.
   2. All the properties of the fruit bean are initialized to a value of null.
   3. All the properties of the fruit bean are assigned the values of input parameters of the JSP page that have the same name.
   4. All the properties of the fruit bean are initialized to a value of \*.
7. Which of these are legal attributes of page directive. Select the two correct answers.
   1. include
   2. scope
   3. errorPage
   4. session
   5. debug
8. The page directive is used to convey information about the page to JSP container. Which of these are legal syntax of page directive. Select the two correct statement
   1. <% page info="test page" %>
   2. <%@ page info="test page" session="false"%>
   3. <%@ page session="true" %>
   4. <%@ page isErrorPage="errorPage.jsp" %>
   5. <%@ page isThreadSafe=true %>
9. Which of these are true. Select the two correct answers.
   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. When isThreadSafe attribute of page directive is set to true, a thread is created for each request for the page.
   4. Setting isThreadSage attribute to true for JSP pages, can lead to poor performance.
10. What method can be used to retrieve all the parameter names being sent as part of the request by the client?
    1. Use the method 'HttpServletRequest.getParameterNames()' which will return an enumeration of parameter names.
    2. Use the method 'HttpServletResponse.getParameterNames()' which will return an enumeration of parameter names.
    3. Use the method 'HttpServletRequest.getAllParameters()' which will return an enumeration of parameter names.
    4. There is no direct support in the Servlet API to retrieve the name of all the parameters sent by the client.
11. 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.
    1. HttpServletRequest
    2. HttpServletResponse
    3. ServletConfig
    4. ServletContext
12. Name the class that includes the getSession method that is used to get the HttpSession object.
    1. HttpServletRequest
    2. HttpServletResponse
    3. SessionContext
    4. SessionConfig
13. Which of the following are correct statements. Select the two correct answers.
    1. The getRequestDispatcher method of ServletContext class takes the full path of the servlet, whereas the getRequestDispatcher method of HttpServletRequest class takes the path of the servlet relative to the ServletContext.
    2. 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.
    3. The getRequestDispatcher(String URL) is defined in both ServletContext and HttpServletRequest method
    4. The getNamedDispatcher(String) defined in HttpServletRequest class takes the name of the servlet and returns an object of RequestDispatcher class.

### Consider the following HTML code. Which method of MyFirstServlet will be invoked when you click on the url shown by the page?

<html>

<body>

<a href="/myapp/servlet/MyFirstServlet">Make me say Hello World!</a>

</body>

<html>

Select 1 correct option.

1. doGet
2. doGET
3. post
4. doPost
5. doPOST

### Select the correct sequence of actions that a servlet container performs before servicing any

### request.

1. Instantiate listeners defined in the deployment descriptor
2. Initialize filters defined in the deployment descriptor
3. Initialize servlets that are set to load on startup
4. Call the contextInitialized method on the listeners implementing ServletContextListener interface
   * 1. A, D, B, C
     2. A, B, D, C
     3. A, D, C, B
     4. B, D, A, C

### 16. Which of the following pairs of HTTP method and HttpServlet class method are a valid combination for a request and the request handler method?

Select 2 correct options.

1. GET - service()
2. POST - doPost()
3. GET - doPost()
4. GET - doGet()
5. POST - service()

### 17. Which interface and method should be used to retrieve a servlet initialization parameter value?

Select 1 correct option.

1. ServletConfig : getParameter(String name)
2. ServletConfig : getInitParameter(String name)
3. ServletContext : getInitParameter(String name))
4. ServletConfig : getInitParameters(String name)
5. ServletConfig : getInitParameterNames(String name)

### 18. Which of the following implicit variables should be used by a jsp page to access a page initialization parameter?

Select 1 correct option.

1. pageContext
2. application
3. config
4. context
5. page

### 19. Assuming that the Servlet Container has just called the destroy() method of a servlet instance, which of the following statements are correct?

Select 2 correct options.

1. Any resources that this servlet might hold have been released.
2. The servlet container time out has exceeded for this servlet instance.
3. The init() method has been called on this instance.
4. None of the requests can EVER be serviced by this instance.
5. All threads created by this servlet are done.

20. When a JSP page is compiled, what is it turned into?

1. Applet
2. Servlet
3. Application
4. Mailet

21. Which of the following is not a standard method called as part of the JSP life cycle?

1. jspInit()
2. jspService()
3. \_jspService()
4. jspDestroy()

22. Which of the following cannot be used as the scope when using a JavaBean with JSP?

1. application
2. session
3. request
4. response
5. page

23. The implicit JSP objects like request, response, and out are only visible in the \_jspService() method.

1. True
2. False

24. What is the key difference between using a <jsp:forward> and HttpServletResponse.sendRedirect()?

1. forward executes on the client while sendRedirect() executes on the server.
2. forward executes on the server while sendRedirect() executes on the client.
3. The two methods perform identically.

25. Which one of the following statement is true? 1.XML elements must be properly nested 2.XML documents must have a root tag 3. XML tags are case sensitive

1. 1 only
2. 2 only
3. 3 only
4. All 1,2,3 are true

26. What of the following is the default Scroll type for a ResultSet object?

1. ResultSet.TYPE\_SCROLLABLE
2. ResultSet.TYPE\_SCROLL\_BIDIRECTIONAL
3. ResultSet.TYPE\_SCROLL\_INSENSITIVE
4. ResultSet.TYPE\_SCROLL\_SENSITIVE
5. ResultSet.TYPE\_FORWARD\_ONLY

27. Which of the following are true about ResultSet? (Choose 2)

1. Atleast one record should be there in the ResultSet on opening a query (or) table
2. Not all ResultSets are updatable
3. The ResultSet object contains null, if there are no records in the table
4. It is possible to delete records through ResultSet
5. All ResultSet, are Scrollable

28. Which of the following is the immediate super interface of CallableStatement?

1. CallableStatement
2. PreparedStatement
3. ResultSet
4. Statement
5. Connection

29. Which of the following types of driver provides maximum decoupling between database and Java application?

1. Type II driver
2. Type III driver
3. Type I driver
4. Type IV driver

30. Which one of the following HTTP methods is commonly used to test the validity of a hyperlink when you do not want (or need) to actually retrieve the content of the link, as the latest version is already available?

1. CHECK
2. TEST
3. PUT
4. GET
5. HEAD