**MOCK TEST PAPER**

1. Which of the following statements about CGI are true?
   1. CGI Scripts are written in C, C++ or Perl programming languages.
   2. In case of an application server using CGI script to process client request, the server creates a separate instance of the CGI script to process the client request.
2. A is true, b is false.
3. Both A and B are true.
4. A is false , b is true
5. Both A and B are false.
6. Sam is accessing online banking site where he can perform activities checking for the balance , or applying for the loan. The account number of the customer gets validated at every stage from the database. Servlets retain the account number in the memory till the user logs out of the web site. Identify the feature of the Servlet discussed here.
   1. Security
   2. Session management.
   3. Instance persistence.
   4. Cookies.
7. Consider the statements.
   1. A web container provides the run time environment for executing the servlets.
   2. A web container provides the security features to secure servlets.

Identify the correct options:

1. Statement A is true, B is false.
2. Statement A is false, B is true.
3. Both statements A and B are true.
4. Both statements A and B are false.
5. Identify the correct sequence of the tasks performed by the web container:
   1. Instantiates the Servlet.
   2. Loads the Servlet class.
   3. Initializes the Servlet Instance.
   4. Passes the Request to the Servlet Instance.
   5. Sends Response.
6. 1,3,2,4,5
7. 2,1,3,4,5
8. 2,3,1,4,5
9. 3,2,1,4,5
10. Consider the following statements:
    * + - 1. The GenericServlet class implements the ServletConfig interface of the Servlet API.
          2. The GenericServlet implements the Serializable interface of the standard java.io package.

Which of the given statements are true with respect to Servlets?

* 1. Both a and b are true.
  2. Statement A is true B is false.
  3. Statement A is false and B is ture.
  4. Both Statements A and B are false.

6. Which of the following method of the Servlet interface contains configuration object that contains the configuration information, such as initialization parameters , to initialize a Servlet?

1. public void destroy().
2. Public ServletConfig getServletConfig()
3. Public String getServletInfo()
4. Public void init(ServletConfig config) throws ServletException.

7. Consider the given statements regarding the Servlets and state whether true or false.

a. Initialization parameters are name , value pairs that you can use to pass information to a Servlet.

b. The object of ServletConfig interface enables the Servlet to communicate with the Web Container that hosts it.

1. Both A and B are true.
2. A is true, B is false.
3. A is false and B is true.
4. Both A and B are false.

8. Which of the following method of the ServletConfig interface returns the names of all initialization parameters as an enumeration of String objects. If no initialization parameters have been defined, an empty enumeration is returned?

* 1. Public String getInitParameter(String param).
  2. Public Enumeration getInitParameternames().
  3. Public ServletContext getServletContext()
  4. Public void init (ServletConfig config) throws ServletException.

9. Identify the correct sequence in which the web container calls the life cycle methods of a Servlet:

1. The Web Container invokes the init() method of the Servlet instance during initialization of the Servlet. The init() method is invoked only once in the Servlet life cycle.
2. The web container invokes the service() method to allow a servlet to process a client request.
3. The service() method processes the request and returns the response to the web container.
4. The web container calls the destroy() method before removing the Servlet instance from the service.
5. The Servlet then waits to receive and process subsequent requests.
6. The web container loads the Servlet class and creates one or more instances of the Servlet class.
   1. Vi, I, iv, iii, v, ii
   2. Vi, I, ii, iv, iii, v
   3. Vi,I,ii, iii,v,iv
   4. Vi,I,v,iii,iv,ii

10. Which of the following http method can be used to upload an image file on to the server?

1. doGet()
2. doPut()
3. doPost()
4. doHead()

11. In which of the Server technologies the application server creates a separate instance in order to process a single client request so that the efficiency of the server is affected when there is a large number of concurrent requests.

* 1. Servlets
  2. ASP
  3. JSP
  4. CGI

12. which session management technic is used to keep track of users by storing information on the client side?

* 1. Hidden form Field
  2. URL Rewriting.
  3. Cookies.
  4. Servlet Session API.

13. Consider the given statements:

A. The application server provides the error pages for displaying exceptions and status code messages.

B. The error page is descriptive so it becomes easy to understand the cause of error.

* 1. Both A and B are true.
  2. A is true , B is false.
  3. A is false, B is true.
  4. Both A and B are false.

14. Consider the statements:

A. The sendError() method is used to send the error messages to a client.

B. The SendError() method is defined in the HttpServletRequest interface.

1. Both A and B are true.
2. A is true , B is false.
3. A is false, B is true.
4. Both A and B are false.

15. Consider the statement:

A. The application server provides the status codes as the information that indicates the success or failure of a client request.

B. The application server returns status code to the client browser through the response object .

1. Both A and B are true.
2. A is true , B is false.
3. A is false, B is true.
4. Both A and B are false.

16. Which Deployment descriptor contains the sub elements to map a filter with a URL pattern ?

a. Filter-Mapping.

b. Filter.

c. Filter- name

d. Filter-class.

17. Consider the following code:

<html>

<body>

<%! int salAmount; %>

Your salary is: <% = salAmount %>

</body>

</html>

Identify the correct output.

1. Your salary is 0.
2. Your salary is NULL.
3. Request time error.
4. Compile time error.

18. Consider the following statements:

A. The web Container provides the run time environment for executing Servlets.

B. A Web Container provides the security features for securing Servlets.

1. Both A and B are true.
2. A is true , B is false.
3. A is false, B is true.
4. Both A and B are false.

19. what would be the result of the following code:

Import javax.servlet.\*;

Import java.io.\*;

Public class servlet3 extends GenericServlet

{

ServletContext ctx;

Public void init(ServletConfig cfg)

{

Ctx = cfg.getServletContext();

}

Public void service(ServletRequest request, ServletResponse response) throws ServletException, IOException

{

Ctx.setAttribute(“URL”,”jdbc:odbc:EmployeeDb”);

PrintWriter pw = response.getWriter();

Response.setContentType(“text/html”);

Pw.println(“<b>The JDBC url has been set as a context attribute. </b>”);

}

}

1. Code will not compile.
2. Code will not execute, as an exception will be thrown at runtime.
3. Code will display the output, “The JDBC url has been set as a context attribute.” On the screen.
4. Code will execute but will not display any output.

20. which exception is thrown by the setStatus() method of the HttpServletResponse interface if called after a response is committed?

a. illegalStateException.

b. ServletException.

c. Unavailable Exception.

d. IOException.

21. Identify the method defined in the HttpSession interface that returns the name of all the objects that are bound to the session object.

a. public getAttribute(String name)

b. public Enumeration getAttributeNames()

c. public void setAttribute().

d. public Object getAttribute(String attname)

22. Consider the statements:

A. The sendError() method is used to send error messages to a client.

B. The sendError() method is defined int the HttpServletRequest interface.

1. Both A and B are true.
2. A is true , B is false.
3. A is false, B is true.
4. Both A and B are false.

23. A. The HttpSession interface provides methods for tracking the session of a user.

B. The HttpSession interface stores the session in formation as name/value pairs.

Identify the correct statements.

1. Both A and B are true.
2. A is true , B is false.
3. A is false, B is true.
4. Both A and B are false.

24. Consider the statements:

A. You can invalidate a session by setting the maximum inactive time using the setmaxInactiveInterval() method.

B. You can invalidate a session by specifying the timeout in seconds, in the session timeout element of the deployment descriptor.

1. Both A and B are true.
2. A is true , B is false.
3. A is false, B is true.
4. Both A and B are false.

25. which method is used to set the value of data in the request object?

a. setHeader()

b. setAttribute()

c. putvalue()

d. setContentType().

26. The following list shows the process of forwarding request object to another Servlet.

1. Retrieve the RequestDispactcher object.

2. Retrieve the Servlet Context object.

3. Call the forward() method.

Identify the correct sequesnce of steps.

1. 1,2,3
2. 2,1,3
3. 3,1,2
4. 2,3,1

27. The following code shows the content of the file demo.jsp:

<%! String name = request.getParameter(); %>

<% String test = “Hello”+ name; %>

<%= test%>

Select the correct option.

1. Compile time error because of the statement

<% = test %>

1. Compile time error because of the statement

<%! String name = request.getParameter(); %>

1. The Porgram prints Hello Adam.
2. The program will run without displaying any output.

28. Which interface should the tag handler implement , to implement a custom tag with attributes and without body?

a. BodyTag.

b. BodyTagSupport.

c. IterationTag.

d. TagSupport.

29. A javaBean has a property named size. The following code snippet is used for including the bean in the JSP file:

<jsp:useBean id=”box” class=”Box” />

Select the correct answer to print the value of the size property.

1. <jsp:getProperty bean=”box” property=”size” />
2. <jsp:getProperty id=”box” property=”size” />
3. <jsp:get Property class=”box” property=”size” />
4. <jsp:getProperty name=”box” property=”size” />

30. Consider the statement:

A. J2EE application implementing MVC design pattern generally uses EJBs to represent the model part.

B. J2EE application implementing MVC design pattern generally uses ASP to represent the view part .

1. Both A and B are true.
2. A is true , B is false.
3. A is false, B is true.
4. Both A and B are false.

31. David wants to develop a Java Web application , which will enable clients to access multiple data stored in remote locations using minimum network calls. Which design pattern must be implemented in the web application to minimize network calls?

a. Value Object Pattern

b. MVC Pattern

c. DAO Pattern.

d. Business Delegate pattern