1. In MVC architecture, the Model represents…
   1. The presentation layer. c. The data model for view to render.
   2. The Front Controller. d. The program model architecture designs.
2. For Servlet-JSP, which out of following statements is TRUE?
   1. Servlet is server side script while JSP is client side script.
   2. JSP’s are servlets for web designers.
   3. Servlet is HTML embedded with Java code.
   4. JSP is sent to and rendered at client as it is.
3. Which protocol browser uses to communicate to servlet?
   1. File Transfer Protocol. c. RPC protocol.
   2. RMI-IIOP protocol. d. HTTP protocol.
4. Question is dropped
5. Which statement out of following is TRUE?
   1. JavaScript and Applet are executed at Server side.
   2. JavaScript executed at client side while Applet at server side.
   3. JavaScript and Applet are executed at Client side.
   4. They are not executed but just rendered by browser.
6. Which feature out of following is Container’s feature?
   1. Cluster Management
   2. Management of life cycle for Servlet.
   3. Load Balancing.
   4. Allocation of more memory to server to increase performance.
7. Find odd man out
   1. Tomcat c. JBoss
   2. Weblogic 10 d. Oracle DB engine.
8. Question dropped.
9. For what type of URLs, following URL patter will NOT work?

<url-pattern>/\*.do</url-pattern>

* 1. /homepage.html c. /login.do
  2. /homepage.do d. /do.do

1. Which option is correct for scopes if arranged in Ascending order of visibility?
   1. Application-Request-Session-Page
   2. Application-Session-Request-Page
   3. Page-Request-Session-Application
   4. None of these.
2. To populate response with binary/encrypted data, which method gives required handle?
   1. The getWriter() c. The getOut()
   2. The getInputStream() d. The getOutputStream().
3. What is **not true** in case of Cookies?
   1. It’s textual information.
   2. It’s used for session management
   3. Browser returns cached persistent cookies when same website is visited.
   4. Serious threat to security
4. If cookies are blocked by client, which way Session API adopts to track session?
   1. Cookies c. Cookies and URL rewriting both
   2. URL rewriting d. Hidden fields.
5. Which of the following designates the superclass of the Servlet that will be generated for the JSP page?
   1. <%@ include super=”name.class” %> c. <%@ page super=”name.class” %>
   2. <%@ extends file=”name.class” %> d. <%@ page extends=”name.class” %>
6. Observe following code

cookie.setMaxAge (3600);

* 1. Sets age of Cookie to 1 Min c. Sets age of cookie to 6 Min.
  2. Sets age of Cookie to 60 Min d. None of these.

1. The JSP pages on compilation, converted to…
   1. .java c. .class
   2. .jsp d. .parse
2. In JSP, which of the following will you use at class level to declare a Connection variable?
   1. <% ! %> c. <%= %>
   2. <% %> d. <%@ %>
3. What is the name of the file in which a web application would be typically archived for deployment?
   1. The .jar c. The .ear
   2. The .zip d. The .war
4. Which of the following will you use to define a configuration parameter in web.xml?
   1. <context-param> c. <env-entry>
   2. <init-param> d. <resource-env-ref>
5. Which method ends session?
   1. killSession() c. invalidate()
   2. closeSession() d. finalizeSession()
6. In MVC architecture, the View represents…
   1. The presentation layer. c. The data model for view to render.
   2. The Front Controller. d. The program model architecture designs.
7. In Servlet-JSP, which out of following statements is FALSE?
   1. Servlet and JSP are client side scripts.
   2. JSP’s are servlets for web designers.
   3. Servlets and JSPs get their life cycle from Servlet Interface.
   4. Both they may respond in the form of HTML page to client.
8. Question is dropped.
9. Static web pages are…
   1. Web components designed real time on receipt of request.
   2. Static pages dynamically float between Server and client.
   3. Pages cached at client side.
   4. Web pages pre-designed using HTML.
10. Question is dropped.
11. Which feature out of following is a Server’s feature from Server-Container pair?
    1. Cluster Management
    2. Management of life cycle for Servlet.
    3. Read web.xml and build context.
    4. Explore .war and deploy web components.
12. Question dropped
13. A correct place to keep application’s .class files…
    1. ApplRoot/WEB-INF/classes c. ApplRoot/WEB-INF/lib
    2. ApplRoot/drivers d. ApplRoot/WEB-INF
14. Question is dropped.
15. Which option is correct for scopes if arranged in Descending order of visibility?
    1. Application-Request-Session-Page
    2. Application-Session-Request-Page
    3. Page-Request-Session-Application
    4. None of these.
16. Which method to be used to collect form data from Check box fields?
    1. The getWriter() c. The getParameterValues()
    2. The getParameter() d. The getOutputStream().
17. Question dropped.
18. Question dropped
19. Question dropped.
20. Which of the following is not a possible value of scope attribute of a <jsp:useBean>?
    1. config c. session
    2. request d. application
21. Question dropped.
22. In JSP which of the following will you use to declare java code?
    1. <% @ %> c. <%= %>
    2. <% %> d. <%! %>
23. What is the type of the implicit object "application" in jsp?
    1. ApplicationContext. c. ServletContext
    2. ServletConfig. d. PageContext
24. In JSP which of the following will you use to declare page directive?
    1. <% %> c. <%= %>
    2. <%! %> d. <%@ %>
25. <!-- ….. -- >

Which tag is it?

* 1. JSP Comment c. JSP Expression
  2. JSP Declaration d. HTML Comment

1. When a JSP page is compiled, what is it turned into?
   1. Applet
   2. Servlet
   3. Application
   4. Mailet
2. 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()
3. If you want to override a JSP file's initialization method, within what type of tags must you declare the method?
   1. <@ @>
   2. <%@ %>
   3. <% %>
   4. <%! %>
4. Which of the following can not be used as the scope when using a JavaBean with JSP?
   1. Application
   2. Session
   3. Request
   4. Response
   5. Page
5. The implicit JSP objects like request, response, and out are only visible in the \_jspService() method.
   1. True
   2. False
6. 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.
7. Which of the following statements makes your compiled JSP page implement the SingleThreadModel interface?
   1. <%@ page isThreadSafe="false" %>
   2. <%@ page isThreadSafe="true" %>
8. How can a servlet call a JSP error page?
   1. This capability is not supported
   2. When the servlet throws the exception, it will automatically be caught by the calling JSP page.
   3. The servlet needs to forward the request to the specific error page URL. The exception is passed along as an attribute named "javax.servlet.jsp.jspException”
   4. The servlet needs to redirect the response to the specific error page, saving the exception off in a cookie.

When using a JavaBean to get all the parameters from a form, what must the property be set to (??? in the following code) for automatic initialization?

<jsp:useBean id="fBean" class="govi.FormBean" scope="request"/>

<jsp:setProperty name="fBean" property="???" />

<jsp:forward page="/servlet/JSP2Servlet" />

* 1. \*
  2. All
  3. @
  4. =

1. Choose the statement that best describes the relationship between JSP and servlets:
   1. Servlets are built on JSP semantics and all servlets are compiled to JSP pages for runtime usage.
   2. JSP and servlets are unrelated technologies.
   3. Servlets and JSP are competing technologies for handling web requests. Servlets are being superseded by JSP, which is preferred. The two technologies are not useful in combination.
   4. JSPs are built on servlet semantics and all JSPs are compiled to servlets for runtime usage.
2. Why use RequestDispatcher to forward a request to another resource, instead of using a sendRedirect?
   1. Redirects are no longer supported in the current servlet API.
   2. Redirects are not a cross-platform portable mechanism
   3. The RequestDispatcher does not use the reflection API.
   4. The RequestDispatcher does not require a round trip to the client, and thus is more efficient and allows the server to maintain request state.
3. What alternatives exist to embedding Java code directly within the HTML markup of your JSP page?
   1. Moving the code into your session manager.
   2. Moving the code into scriptlets.
   3. Moving the code into JavaBeans and servlets
   4. Moving the code into a transaction manager
4. Are custom tags available in JSP 1.0? If not, how else might you implement iteration from within a JSP?
   1. Yes, but the only tags available relate to database access.
   2. No. To iterate over a collection of values, one must use scriptlet code.
   3. No, but there is a standard <iterate> tag that may be used.
   4. Yes, but custom tags will not help developers create tags for use in iterating over a collection.
5. What is the initial contact point for handling a web request in a *Page-Centric* architecture?
   1. A JSP page
   2. A JavaBean.
   3. A servlet.
   4. A session manager

1. Question dropped
2. The attribute which defines your jsp page as a exception handling page is
   1. isExceptionPage
   2. exceptionPage
   3. isErrorPage
   4. errorPage
3. The implicit object “out” of Jsp is of type
   1. PrintWriter
   2. InputStream
   3. JspWriter
   4. JspPrintWriter
4. To use the ServletContext in Jsp the implicit object is
   1. application
   2. context
   3. config
   4. page
5. **Which of the following rules must a reusable JavaBeansTM component adhere to?**
   1. The Bean class must provide zero argument constructors.
   2. The Bean must have a corresponding BeanInfo class.
   3. The Bean must only use visible components.
   4. The Bean must not be serializable.

1. Given that the service() method of a typical servlet is multithreaded, which one of the following issues does NOT need to be addressed in a servlet's implementation?
   1. Concurrent access to shared resources
   2. Concurrent access to local variables
   3. Concurrent access to static variables
   4. Concurrent access to instance variables

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
| Question | Answer | Question | Answer | Question | Answer | Question | Answer |
| 1 | c | 6 | b | 11 | d | 16 | c |
| 2 | b | 7 | d | 12 | d | 17 | a |
| 3 | d | 8 |  | 13 | b | 18 | d |
| 4 |  | 9 | a | 14 | d | 19 | b |
| 5 | c | 10 | c | 15 | b | 20 | c |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
| Question | Answer | Question | Answer | Question | Answer | Question | Answer |
| 21 | a | 26 | a | 31 | c | 36 | a |
| 22 | a | 27 |  | 32 | d | 37 | b |
| 23 | d | 28 | a | 33 | b | 38 | c |
| 24 | d | 29 | a | 34 | d | 39 | d |
| 25 | c | 30 | b | 35 | a | 40 | D |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
| Question | Answer | Question | Answer | Question | Answer | Question | Answer |
| 41 | b | 46 | b | 51 | d | 56 | c |
| 42 | b | 47 | b | 52 | b | 57 | c |
| 43 | d | 48 | c | 53 | d | 58 | a |
| 44 | d | 49 | a | 54 | a | 59 | a |
| 45 | a | 50 | d | 55 |  | 60 | a |