Chapter 5: Java Server Pages (JSP).

1. JSP stands for _____.

   (A) Java Service Provider
   (B) Java Server Programming
   (C) Java Server Pages
   (D) Java Server Provider

2. In which technology do we mix our business logic with the presentation logic?

   (A) Servlet
   (B) JSP
   (C) Both A & B
   (D) None of Above

3. In MVC, JSP act as a _____.

   (A) Model
   (B) View
   (C) Controller
   (D) None of Above

4. JSP includes a mechanism for defining _____ or custom tags.

   (A) static attributes
   (B) global attributes
   (C) local attributes
   (D) dynamic attributes

5. Java Server Pages are processed by?

   (A) Web Server
   (B) JSP Container
   (C) IIS
   (D) None of Above

6. Which file is produce, after JSP page is compiled?

   (A) Servlet
   (B) Applet
   (C) JSP
   (D) None of Above

7. Which of following tags JSP page consist?

(A) HTML tags
(B) JSP tags
(C) Both A & B
(D) None of Above

8. Which of following is correct order of steps in JSP life cycle?

(A) Initialization, Compilation, Cleanup, Execution
(B) Compilation, Initialization, Execution, Cleanup
(C) Initialization, Cleanup, Compilation, Execution
(D) Cleanup, Compilation, Initialization, Execution

9. What is correct syntax of jspDestroy method in JSP?

(A) void _jspDestroy()
(B) void jspDestroy(HttpServletRequest req, HttpServletResponse res)
(C) void jspDestroy(HttpServletRequest, HttpServletResponse)
(D) void jspDestroy()

10. State true or false: _jspService() method of HttpJspPage class should not be overridden.

(A) true
(B) false

11. What is correct syntax of _jspService method in JSP?

(A) void _jspService()
(B) void _jspService(HttpServletRequest req, HttpServletResponse res)
(C) void _jspService(HttpServletRequest, HttpServletResponse)
(D) void jspService()

12. Which of following scripting element of JSP not putting content into service method of the converted servlet?

(A) Expressions
(B) Declarations
(C) Both A & B
(D) None of Above

13. How many implicit objects available in JSP?

(A) 7
(B) 8
(C) 9
(D) 10

14. What is output of following code?

```
<%session.setAttribute("name","Demo");%>
<%=session.getAttribute("Demo")%>
```

(A) Demo
(B) name
(C) null
(D) None of Above

15. Which of following is JSP implicit object of type ServletContext?

(A) config
(B) application
(C) ServletContext
(D) Context

16. Which of following is JSP implicit object of type ServletConfig?

(A) config
(B) application
(C) ServletConfig
(D) None of Above

17. Which tag is used to execute java source code in JSP?

(A) Directives
(B) Expression
(C) Scriptlet
(D) Declaration

18. Which of following is scripting elements in JSP?

(A) Directives
(B) Expression
(C) Declaration
(D) All of Above

19. Directive syntax is _____.

(A) <%@ directive %>
(B) <%! directive %>
(C) <%= directive %>
(D) None of Above

20. Expression syntax is _____.

(A) <%@ expression%>
(B) <%! expression%>
(C) <%= expression %>
(D) <%-- expression%>

21. Declaration syntax is _____.

(A) <%! declaration%>
(B) <%= declaration%>
(C) <%-- declaration%>
(D) <%@ declaration%>

22. Comment syntax is _____.

(A) <%! comment%>
(B) <%@ comment%>
(C) <%= comment%>
(D) <%-- comment--%>

23. Which of the following is not a directive in JSP?

(A) include
(B) page
(C) config
(D) taglib

24. out is JSP implicit object of which class?

(A) javax.servlet.jsp.PrintWriter
(B) javax.servlet.jsp.JspWriter
(C) javax.servlet.jsp.SessionWriter
(D) None of Above

25. Select the valid scopes in JSP.

(A) response, page, session, application
(B) request, page, session, global
(C) request, page, context, application
(D) request, page, session, application

26. request is JSP implicit object of which class?

(A) HttpRequest
(B) HttpServletRequest
(C) Request
(D) ServletRequest

27. Which of the following is true about language attribute?

(A) The language attribute indicates the programming language used in scripting the html page.
(B) The language attribute indicates the programming language used in scripting the servlet.
(C) The language attribute indicates the programming language used in scripting the JSP page.
(D) None of Above

28. autoFlush Attribute is used to specify that

(A) buffered output should be flushed automatically when the buffer is filled.
(B) exception should be raised to indicate buffer overflow.
(C) Both A & B
(D) None of Above

29. Default value of autoFlush attribute is _____.

(A) true
(B) false

30. Which attribute of JSP directive defines the MIME type of the HTTP response?

(A) import
(B) extends
(C) info
(D) contentType

31. info Attribute is used

(A) to provide a description of the JSP.
(B) by JSP container for optimization of generated servlet code.
(C) Both A & B
(D) None of Above

32. Which JSP Action tags is used to include the content of another resource, like jsp, html or servlet?

(A) jsp:plugin
(B) jsp:forward
(C) jsp:include
(D) None of Above

33. What is fullform of JSTL?

(A) JSP Tag Library
(B) JSP Standard Tag Library
(C) Java Standard Tag Library
(D) None of Above

34. What alternatives exist to embedding Java code directly within the HTML markup of your JSP page?

(A) Moving the code into JavaBeans and servlets
(B) Moving the code into scriptlets
(C) Moving the code into your session manager
(D) None of Above

35. Which programming language(s) or scripting language(s) does Java Server Pages (JSP) support?

(A) Java Script
(B) Java only
(C) VB Script
(D) Any Programming Lanuage Code