

1. Which of these is a correct example of specifying a listener element resented by MyClass class. Assume myServlet element is defined correctly. Select the one correct answer.

- A. <listener>MyClass</listener>
 - B. <listener> <listener-class>MyClass</listener-class></listener>
 - C. <listener> <listener-name>aListener</listener-name> <listener-class>MyClass</listener-class></listener>
 - D. <listener> <servlet-name>myServlet</servlet-name> <listener-class>MyClass</listener-class></listener>
- A) A
B) B
C) C
D) D

2. Which listener help to get the information about the how many user's are available currently ?

- A) HttpSession
- B) HttpSessionListener
- C) Session
- D) HttpRequest

3. What is the value of the counter variable in the below code:

```
public class X implements HttpSessionBindingListener {  
    public static int counter;  
  
    public void valueBound(HttpSessionBindingEvent event) {  
        counter++;  
    }  
    public void valueUnbound(HttpSessionBindingEvent event) {  
        counter++;  
    }  
}  
  
public class TestBinding extends HttpServlet {  
    public void doGet(HttpServletRequest req, HttpServletResponse res)  
        throws ServletException, IOException {  
        HttpSession session = req.getSession();  
        X x = new X();  
        session.setAttribute("name",x);  
        session.setAttribute("name",new X());  
        session.setAttribute("test",new X());  
        session.getAttribute("name");  
        session.removeAttribute("name");  
    }  
}
```

- A) 2
B) 3
C) 4
D) 5

4. When a session is moved from one JVM and created on another JVM in a distributed

environment, Which Listener and method can be used to capture this event of session creation on another JVM and take action?

- A) sessionWillPassivate method of HttpSessionActivationListener
- B) sessionCreated method of HttpSessionListener
- C) attributeAdded method of HttpSessionAttributeListener
- D) sessionDidActivate method of HttpSessionActivationListener

5. A user types the URL `http://www.manipalglobal.com/ibm/index.html`. Which HTTP request gets generated. Choose the correct answer

- A) GET method
- B) POST method
- C) HEAD method
- D) PUT method

6. Consider the below form in a HTML page. The Servlet has to add 1 marks to a variable 'marks', if the student selects JAVA in the form. Which code below in the Servlets `doPost()` method will achieve this?

```
<form method="post" action="Evaluate">
<h2>Which language is Platform independent</h2>
<p><input type="radio" name="Q1" value="C"> C </input></p>
<p><input type="radio" name="Q1" value="C++"> C++ </input></p>
<p><input type="radio" name="Q1" value="JAVA"> JAVA </input></p>
<input type="submit" value="Submit">
</form>
```

- A) `if(request.getAttribute("Q1").equals("JAVA")){marks+=1;}`
- B) `if(request.getParameter("Submit").equals("JAVA")){marks+=1;}`
- C) The form is wrong as you cannot give the same name "Q1" for all three radio buttons
- D) `if(request.getParameter("Q1").equals("JAVA")){marks+=1;}`

7. Name the class that has `getSession` method, that is used to get the `HttpSession` object.

- A) `HttpServletRequest`
- B) `HttpServletResponse`
- C) `SessionContext`
- D) `SessionConfig`

8. Which abstract class contains `init()` and `destroy()` of a Servlet?

- A) `javax.servlet.http.HttpServlet`
- B) `javax.servlet.GenericServlet`
- C) `javax.servlet.http.HttpServletRequest`
- D) `javax.servlet.http.HttpServletResponse`

9. Which of the following separator is used to separate the url and query parameter for a Http get request?

- A) *
- B) #
- C) ?
- D) :

10. The life cycle of a servlet is managed by

- A) JSP Engine
- B) servlet container
- C) WebServer
- D) EJB Container

11. 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.

- A) SC_OK
 - B) SC_MOVED_TEMPORARILY
 - C) SC_NOT_FOUND
 - D) SC_INTERNAL_SERVER_ERROR
 - E) SC_BAD_REQUEST
- A) A
 - B) B
 - C) C
 - D) D
 - E) E

12. What is the output of the below code:

```
@WebServlet("/DemoServlet")
public class DemoServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
        ServletException, IOException {
        doPost(request, response);
    }
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
        ServletException, IOException {
        doGet(request, response);
    }
}
```

- A) No Output after execution
- B) Infinite loop causing "StackOverflowError"
- C) Compilation error
- D) None of the above

13. What is the output of the below code:

```
@WebServlet("/DemoServlet")
public class DemoServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
        ServletException, IOException {
    }
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
        ServletException, IOException {
```

```
}  
}
```

- A) No Output after execution
- B) Infinite Loop
- C) Compilation error
- D) Runtime error

14. Which Interface does not contain `setAttribute()` and `getAttribute()`?

- A) `ServletConfig`
- B) `ServletContext`
- C) `HttpServletRequest`
- D) `HttpSession`

15. Which of the following object access `sendRedirect()` ?

- A) request
- B) response
- C) session
- D) context

16. Which of the following are the session tracking techniques?

- A. URL rewriting, using `HttpSession` object, using response object, using hidden fields
 - B. URL rewriting, using `HttpSession` 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
- A) A
 - B) B
 - C) C
 - D) D

17. Which of the following interfaces has `getWriter()` method?

- A) `HttpServletRequest`
- B) `HttpServletResponse`
- C) `ServletRequest`
- D) `ServletResponse`

18.

Which of the following is the correct location of compiled class files within a war file?

- 1) `/META-INF/classes`
 - 2) `/WEB-INF/bin`
 - 3) `/WEB-INF/bin/classes`
 - 4) `/WEB-INF/classes`
 - 5) `/contextroot/classes`
- A) 1
 - B) 2
 - C) 3
 - D) 4
 - E) 5

19.

Which of the following protocol is used in servlet ?

- A. http
 - B. https
 - C. none of the above mentioned
 - D. both A & B
- A) A
B) B
C) C
D) D

20. Servlet Instances are created by ?

- A) init()
- B) constructor
- C) Servlet Container
- D) none of the above mentioned

21. The sendError method defined in the HttpServlet class is equivalent to invoking the setStatus method with the following parameter. Select the one correct answer.

- A. SC_OK
 - B. SC_MOVED_TEMPORARILY
 - C. SC_NOT_FOUND
 - D. SC_INTERNAL_SERVER_ERROR
- A) A
B) B
C) C
D) D

22. Which of the following is the correct order of servlet life cycle phase methods?

- A - init(), service(), destroy()
 - B - initialize(), service(), destroy()
 - C - init(), execute(), destroy()
 - D - init(), service(), delete()
- A) A
B) B
C) C
D) D

23. The method getWriter return an object of type PrintWriter?

- a) ServletRequest
- b) HttpServletRequest
- c) HttpServletResponse

24. which listener is used to log the...

25. when you want to know attribute has added removed or replaced?

26. when you want to know how many users are there?

27. listener is noticed initialized and destroyed?

28. HttpServlet supports

- a. http
- b. https
- c. both
- d. none

29. Jsp pages have access to implicit objects that are exposed automatically one such object that is available is request that request object is an instance of which class?

- A. HttpRequest
- B. ServletRequest
- C. Request
- D. HttpServletRequest

30. The sendError method defined in the httpServlet class is equivalent to invoking the setStatus method with the following parameter. Select the one correct answer:

31. 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.

- A. HttpServletRequest
- B. HttpServletResponse
- C. ServletConfig
- D. ServletContext

32. Name the method defined in the HttpServletResponse class that may be used to set the content type. Select the one correct answer.

- A. setType
- B. setContent
- C. setContentType
- D. setResponseContentType

33. Which of the following statement is correct. Select the one correct answer.

- A. The response from the dedicated server to a HEAD request consists of status line, content type and the document.
- B. The response from the server to a GET request does not contain a document.
- C. The setStatus method defined in the HttpServletRequest class takes an int as an argument and sets the status of Http response
- D. The HttpServletResponse defines constants like SC_NOT_FOUND that may be used as a parameter to setStatus method.

34. The sendError method defined in the HttpServlet class is equivalent to invoking the setStatus method with the following parameter. Select the one correct answer.

- A. SC_OK
- B. SC_MOVED_TEMPORARILY
- C. SC_NOT_FOUND
- D. SC_INTERNAL_SERVER_ERROR

E. ESC_BAD_REQUEST

35. 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.

- A. SC_OK
- B. SC_MOVED_TEMPORARILY
- C. SC_NOT_FOUND
- D. SC_INTERNAL_SERVER_ERROR
- E. ESC_BAD_REQUEST

36. Which of the following statements are correct about the status of the Http response. Select the one correct answer.

- A. A status of 200 to 299 signifies that the request was successful.
- B. A status of 300 to 399 are informational messages.
- C. A status of 400 to 499 indicates an error in the server.
- D. A status of 500 to 599 indicates an error in the client.

37. 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.

- A. getStream
- B. getOutputStream
- C. getBinaryStream
- D. getWriter

38. 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.

- A. getStream
- B. getOutputStream
- C. getBinaryStream
- D. getWriter

39. Name the class that includes the getSession method that is used to get the HttpSession object.

- A. HttpServletRequest
- B. HttpServletResponse
- C. SessionContext
- D. SessionConfig

40. Which of the following are correct statements? Select the two correct answers.

- A. 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.
- B. 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.

C. The `getRequestDispatcher(String URL)` is defined in both `ServletContext` and `HttpServletRequest` method

D. The `getNamedDispatcher(String)` defined in `HttpServletRequest` class takes the name of the servlet and returns an object of `RequestDispatcher` class.

41. A user types the URL `http://www.javaprep.com/scwd/index.html`. Which HTTP request gets generated. Select the one correct answer.

- A. GET method
- B. POST method
- C. HEAD method
- D. PUT method

42. Which HTTP method gets invoked when a user clicks on a link? Select the one correct answer.

- A. GET method
- B. POST method
- C. HEAD method
- D. PUT method

43. When using HTML forms which of the following is true for POST method? Select the one correct answer.

- A. POST allows users to bookmark URLs with parameters.
- B. The POST method should not be used when large amount of data needs to be transferred.
- C. POST allows secure data transmission over the http method.
- D. POST method sends data in the body of the request.

44. Which of the following is not a valid HTTP/1.1 method. Select the one correct answer.

- A. CONNECT method
- B. COMPARE method
- C. OPTIONS method
- D. TRACE method

45. Name the http method used to send resources to the server. Select the one correct answer.

- A. FTP method
- B. PUT method
- C. WRITE method
- D. COPY method

46. Name the http method that sends the same response as the request. Select the one correct answer.

- A. DEBUG method

- B. TRACE method
- C. OPTIONS method
- D. HEAD method

47. Which three digit error codes represent an error in request from client? Select the one correct answer.

- A. Codes starting from 200
- B. Codes starting from 300
- C. Codes starting from 400
- D. Codes starting from 500

48. Name the location of compiled class files within a war file? Select the one correct answer.

- A. /META-INF/classes
- B. /classes
- C. /WEB-INF/classes
- D. /root/classes

49. Select the one correct answer.

.The sendError method defined in the HttpServlet class is equivalent to invoking the setStatus method with the following parameter.

- 1.
- A. SC_OK
- B. SC_MOVED_TEMPORARILY
- C. SC_NOT_FOUND
- D. SC_INTERNAL_SERVER_ERROR
- E. ESC_BAD_REQUEST

50. The sendRedirect method defined

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.

- A. SC_OK
- B. SC_MOVED_TEMPORARILY
- C. SC_NOT_FOUND
- D. SC_INTERNAL_SERVER_ERROR
- E. ESC_BAD_REQUEST

51. Which element of the servlet element in the deployment descriptor is used to specify

the parameters for the ServletConfig object. Select the one correct answer.

- A. servlet-config
- B. init-param
- C. load-on-startup

D. filter

52. Which of these is true about deployment descriptors. Select the one correct answer.

- A. The order of elements in deployment descriptor is not important. The elements can follow any order.
- B. The elements of deployment descriptor are case insensitive.
- C. The servlet-mapping element, if defined, must be included within the servlet element.
- D. The web-app element must include the servlet element.

53. The exception-type element specifies an exception type and is used to handle exceptions generated from a servlet. Which element of the deployment descriptor includes the exception-type as a sub-element. Select the one correct answer.

- A. error-page
- B. servlet
- C. exception
- D. error-handling

54. Which of these is a correct fragment within the web-app element of deployment descriptor. Select the one correct answer.

- A. `<exception> <exception-type> mypackage.MyException</exception-type>
<location> /error.jsp</location> </exception>`
- B. `<error-page> <exception-type> mypackage.MyException</exception-type>
<location> /error.jsp</location> </error-page>`
- C. `<error-page> <exception> mypackage.MyException </exception-type>
<location> /error.jsp </location> </error-page>`
- D. `<error-page> <exception-type> mypackage.MyException</exception-type>
</error-page>`
- E. `<error-page> <servlet-name> myservlet</servlet-name> <exception-type>
mypackage.MyException</exception-type> </error-page>`
- F. `<exception> <servlet-name> myservlet</servlet-name> <exception-type>
mypackage.MyException</exception-type> </exception>`

55. Which element of the deployment descriptor of a web application includes the welcomefile-list element as a subelement. Select the one correct answer.(?)(not checked yet)

- A. web-app
- B. welcome-file
- C. servlet
- D. file-list

56. Which of these is a correct fragment within the web-app element of deployment

descriptor. Select the two correct answer.

- A. `<error-page> <error-code>404</error-code> <location>/error.jsp</location>
</error-page>`
- B. `<error-page> <exception-type>mypackage.MyException</exception-type>
<error-code>404</error-code> <location>/error.jsp</location> </error-page>`
- C. `<error-page> <exception-type>mypackage.MyException</exception-type>
<error-code>404</error-code> </error-page>`
- D. `<error-page> <exception-type>mypackage.MyException</exception-type>
<location>/error.jsp</location> </error-page>`

57. Which of these is a correct example of specifying a listener element resented by MyClass

class. Assume myServlet element is defined correctly. Select the one correct answer.

- A. `<listener>MyClass</listener>`
- B. `<listener> <listener-class>MyClass</listener-class></listener>`
- C. `<listener> <listener-name>aListener</listener-name> <listenerclass>
MyClass</listener-class> </listener>`
- D. `<listener> <servlet-name>myServlet</servlet-name> <listenerclass>
MyClass</listener-class> </listener>`

58. The root of the deployment descriptor is named as

- A. web
- B. web-app
- C. name
- D. display-name

59. With in a context-param element of deployment descriptor, which of the following element is required?

- A. param-name
- B. name
- C. init-param
- D. servlet-name

60. Which of these is not a valid top level element in web-app

- A. icon
- B. listener
- C. eror-page
- D. security-constraint
- E. param-name

61. Which of the follwing are mandatory elements within the filter element. Select two

correct answers.

- A. filter-name
- B. name

- C. value
- D. filter-class
- E. init-param

62. Which of these is not a valid value for dispatcher element of filter-mapping.

Select the

one correct answer.

- A. FORWARD
- B. RESPONSE
- C. INCLUDE
- D. ERROR

63. Which of these is not correct about the filter-mapping element of web-app.

Select the one

correct answer.

- A. filter-name element must be present in the filter-mapping element.
- B. Either url-pattern or servlet-name must be present in the filter-mapping element.
- C. dispatcher element can be declared zero to three times in the filter-mapping element.
- D. filter-name element in the filter-mapping should be same as the corresponding filter-name element in the filter element of deployment descriptor.