

# Java servlet (Batch1&2 Java 2023)

Java servlet multiple choice questions

Points: 82/100

✓ **Correct** 2/2 Points

1. State whether the following statements about the Java servlet life cycle are True or False.

i) init() and destroy() method will be called only once during the lifetime of the servlet.

ii) Once the servlet is initialized any request that the servlet container receives will be forwarded to the servlet's execute() method.

\*

- ☐ A) i-True, ii-True
- ☒ B) i-True, ii-False
- ☐ C) i-False, ii-True
- ☐ D) i-False, ii-False

✗ **Incorrect** 0/2 Points

2. Given **request** is an `HttpServletRequest`, which code snippets will create a session if one doesn't exist? \*

- ☒ `request.getSession(false);`
- ☐ `request.createSession();`
- ☐ `request.getSession();`
- ☐ `request.createNewSession();`

✗ **Incorrect** 0/2 Points

3. Given **request** is a `HttpServletRequest` object, which gets a binary input stream? \*

- ☐ `BinaryInputStream s = request.getInputStream();`
- ☐ `ServletInputStream s = request.getInputStream();`
- ☐ `BinaryInputStream s = request.getBinaryStream();`
- ☒ `ServletInputStream s = request.getInputStream();`

✓ **Correct** 2/2 Points

4. Which method of `HttpServletRequest` returns the name of the HTTP method with which the request was made? \*

- ☐ `getRequestMethod()`
- ☐ `getHttpMethod()`
- ☐ `getHttpRequestMethod()`
- ☒ `getMethod()`

✓ **Correct** 2/2 Points

5. State whether the following statements about the GetQueryString method are True or False.

- i) GetQueryString method returns a query string present in the request URL if any.
- ii) If there is no query string, getQueryString() method returns null. \*

- ☒ A) i-True, ii-True
- ☐ B) i-True, ii-False
- ☐ C) i-False, ii-True
- ☐ D) i-False, ii-False

✓ **Correct** 2/2 Points

6. Which method is invoked by the container each time a request/response pair is passed through the chain of filters? \*

- ☐ init()
- ☒ doFilter()
- ☐ destroy()
- ☐ service()

✓ **Correct** 2/2 Points

7. GenericServlet class is encapsulated inside \_\_\_\_\_ package \*

- ☐ java.lang
- ☒ javax.servlet
- ☐ java.servlet
- ☐ javax.servlet.http

✓ **Correct** 2/2 Points

8. Which of the following are the principal stages in the life cycle of Java Servlet.

- i) Server Initialization
- ii) Servlet Execution
- iii) Servlet Destruction
- iv) Servlet Stop

\*

- ☒ A) i, ii, and iii only
- ☐ B) i, iii, and iv only
- ☐ C) ii, iii, and iv only
- ☐ D) All i, ii, iii, and iv only

✓ **Correct** 2/2 Points

9. If the client has disabled cookie in the browser, which session management mechanism could the web container employ ? \*

- ☐ Session Management using Cookies
- ☒ Session Management using URL rewriting
- ☐ Either Cookies or URL rewriting
- ☐ Cookies and URL rewriting must be used together

✓ **Correct** 2/2 Points

10. Which method of HttpServletResponse is used to redirect an HTTP request to another URL ? \*

- ☐ sendURL()
- ☐ redirectURL()
- ☒ sendRedirect()
- ☐ getRequestDispatcher()

✗ **Incorrect** 0/2 Points

11. Which types of objects can store attributes ? \*

- ☒ ServletConfig
- ☐ ServletResponse
- ☐ RequestDispatcher
- ☐ HttpServletRequest

✓ **Correct** 2/2 Points

12. Which of the following methods are provided to enable the servlet to process the client's request.

- i) `getCookies()`
- ii) `getRequest()`
- iii) `getSession()`
- iv) `getHeader()` \*

- ☐ A) i, ii, and iii only
- ☒ B) i, iii, and iv only
- ☐ C) ii, iii, and iv only
- ☐ D) All i, ii, iii, and iv only

✓ **Correct** 2/2 Points

13. ... method obtains a byte-based output stream that enables binary data to be sent to the client. \*

- ☐ A) `sendRedirect`
- ☐ B) `getOutput()`
- ☒ C) `getOutputStream()`
- ☐ D) `getWritter`

✗ **Incorrect** 0/2 Points

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

- ☒ POST allows users to bookmark URLs with parameters.
- ☐ The POST method should not be used when large amount of data needs to be transferred.
- ☐ POST method shows the send data in the URL.
- ☐ POST method sends data in the body of the request.

✓ **Correct** 2/2 Points

15. For creating a filter, you must implement \_\_\_\_\_ interface? \*

- ☐ FilterConfig
- ☒ Filter
- ☐ FilterChain
- ☐ Servlet

✓ **Correct** 2/2 Points

16. Which method is used to get the parameter value from request object? \*

- ☐ getParameterValue()
- ☒ getParameter()
- ☐ getValue()
- ☐ requestParameter()

✓ **Correct** 2/2 Points

17. Servlet runs each request in a \_\_\_\_\_ ? \*

- ☐ OS shell
- ☐ JVM
- ☒ Separate thread
- ☐ JRE

✓ **Correct** 2/2 Points

18. ... method obtains a character-based output stream that enables text data to be sent to the client. \*

- ☐ A) sendRedirect
- ☐ B) getOutput()
- ☐ C) getOutputStream()
- ☒ D) getWritter



✓ **Correct** 2/2 Points

19. State whether the following statements on the methods of HTTP servlet request are True or False.

i) For the `getHeader` method, the match between the given name and the request header is case insensitive.

ii) If there is no query string, `getQueryString` method returns null. \*

☒ A) i-True, ii-True

☐ B) i-True, ii-False

☐ C) i-False, ii-True

☐ D) i-False, ii-False

✓ **Correct** 2/2 Points

20. \_\_\_\_\_ object is available to any servlet or JSPs that are part of the web app and provides communication between servlets and JSPs. \*

☐ Servlet

☐ ServletConfig

☒ ServletContext

☐ HttpServletContext

✓ **Correct** 2/2 Points

21. Deployment Descriptor(DD) is used for initializing parameter. True or False? \*

☒ True

☐ False

✗ **Incorrect** 0/2 Points

22. Which class provide implementation for service() method ? \*

- ☒ GenericServlet
- ☐ HttpServlet
- ☐ Servlet
- ☐ none of the above

✓ **Correct** 2/2 Points

23. State whether the following statements about the methods provided by HTTP servlet response are True or False.

i) The addCookie method must be called before the response is committed so that the appropriate headers can be set. ii) Further output should be made by the servlet after calling the sendError method.

\*

- ☐ A) i-True, ii-True
- ☒ B) i-True, ii-False
- ☐ C) i-False, ii-True
- ☐ D) i-False, ii-False

✓ **Correct** 2/2 Points

24. Which of the following are the methods of cookies that are used for session tracking.

- i) getMaxAge()
- ii) getValue()
- iii) getDate() \*

- ☒ A) i and ii only
- ☐ B) ii and iii only
- ☐ C) i and iii only
- ☐ D) All i, ii and iii

✓ **Correct** 2/2 Points

25. Which of the following are the advantages of Java Servlet over the other common server extensions.

- i) Java servlets are faster than other server extensions like CGI scripts.
- ii) Java servlets use a standard API that is supported by many browsers.
- iii) Java servlets are portable between server and operating system. \*

- ☐ A) i and ii only
- ☐ B) ii and iii only
- ☐ C) i and iii only
- ☒ D) All i, ii and iii

✓ **Correct** 2/2 Points

26. Which element declares a filter inside deployment descriptor ? \*

- ☐ <filter-interface>
- ☒ <filter-class>
- ☐ <filter-definition>
- ☐ <filter-config>

✓ **Correct** 2/2 Points

27. State whether the following statements about the servlet init parameters are True.

- i) Servlet init parameters are for a single servlet only.
- ii) It is declared inside the <servlet> tag inside the deployment descriptor.
- iii) Servlet init parameters can also be accessed outside it. \*

- ☒ A) i and ii only
- ☐ B) ii and iii only
- ☐ C) i and iii only
- ☐ D) All i, ii and iii

✓ **Correct** 2/2 Points

28. Which of the following is not a valid HTTP/1.1 method. Select the correct answer. \*

- ☐ CONNECT method
- ☐ OPTIONS method
- ☒ COMPARE method
- ☐ TRACE method

✓ **Correct** 2/2 Points

29. ... are the main functions of the HttpServletRequest interface.

- i) The interface HttpServletRequest encapsulates the functionality for a request object that is passed to an HTTP servlet.
- ii) It allows the servlet to send data to the client.
- iii) It contains the request from the client. \*

- ☐ A) i and ii only
- ☐ B) ii and iii only
- ☒ C) i and iii only
- ☐ D) All i, ii and iii

✓ **Correct** 2/2 Points

30. Which method defined in the HttpServletRequest returns the object of RequestDispatcher ? \*

- ☒ getRequestDispatcher()
- ☐ getDispatcher()
- ☐ getRequest()
- ☐ requestDispatcher()

✓ **Correct** 2/2 Points

31. State whether the following statements about the servlet chaining are True or False.

- i) In servlet chaining two or more servlets can cooperate in servicing a single request.
- ii) In servlet chaining, one servlet's output is the input of the next servlet.
- iii) We can achieve servlet chaining with the help of RequestDispatcher. \*

- ☐ A) i-True, ii-True, iii-False
- ☐ B) i-True, ii-False, iii-True
- ☐ C) i-False, ii-True, iii-True
- ☒ D) i-True, ii-True, iii-True

✓ **Correct** 2/2 Points

32. Which of the following are the purposes of session tracking.

- i) Knowing the client preferences.
- ii) Distinguishing between the different clients.
- iii) Customizing the website as per the user requirement. \*

- ☐ A) i and ii only
- ☐ B) ii and iii only
- ☐ C) i and iii only
- ☒ D) All i, ii and iii

✓ **Correct** 2/2 Points

33. State whether the following statements about the interfaces included in the servlet API are True or False.

i) The `HttpServletRequest` provides access to an input stream and so allows the servlet to read data from the client.

ii) The `HttpServletResponse` provides access to an output stream and so allows the servlet to send data to the client. \*

☒ A) i-True, ii-True

☐ B) i-True, ii-False

☐ C) i-False, ii-True

☐ D) i-False, ii-False

✓ **Correct** 2/2 Points

34. Which method defined in the `HttpServletResponse` may be used to set the content type ? \*

☐ `setType()`

☐ `setContent()`

☒ `setContentType()`

☐ `setResponseContentType()`

✓ **Correct** 2/2 Points

35. State whether the following statements about the GET method are True.

- i) In the GET method entire form submission can be encapsulated in one URL.
- ii) The query length is limited to 256 characters.
- iii) The data is submitted as a part of the URL. \*

- ☐ A) i and ii only
- ☐ B) ii and iii only
- ☒ C) i and iii only
- ☐ D) All i, ii and iii

✓ **Correct** 2/2 Points

36. Which statement about HttpSession is not true? \*

- ☐ HttpSession object is used to store entire session with a specific client
- ☐ Any servlet can have access to HttpSession object through the getSession() method
- ☒ A session will become invalid as soon as the user close all the browser window
- ☐ Attribute can be stored, retrieved and removed from HttpSession object



✓ **Correct** 2/2 Points

37. State whether the following statements about the methods of cookies that are used for session tracking are True or False.

i) A zero value on the `Cookie.setMaxAge(int expiry)` tells the browser to delete the cookie immediately. ii) If no maximum age was specified the `getMaxAge()` method returns zero.

\*

- ☐ A) i-True, ii-True
- ☒ B) i-True, ii-False
- ☐ C) i-False, ii-True
- ☐ D) i-False, ii-False

✓ **Correct** 2/2 Points

38. \_\_\_\_\_ is responsible for managing execution of servlet \*

- ☒ Web Container
- ☐ JVM
- ☐ Servlet Context
- ☐ Server

✗ **Incorrect** 0/2 Points

39. Which of the following statement is not correct about HTTP method ? \*

- ☐ A POST request append data to the end of the URL
- ☒ A GET request append data to the end of the URL.
- ☐ HTTP DELETE method request for the Server to delete the resource
- ☐ HTTP OPTIONS request for communication options available on the request/response chain

✓ **Correct** 2/2 Points

40. Which statement is true about **include()** method of RequestDispatcher interface ? \*

- ☐ forwards a request from a servlet to another resource on the server.
- ☒ includes the content of any resource inside the current servlet.
- ☐ includes the content of only servlet inside the current servlet

✓ **Correct** 2/2 Points

41. Which method is used access the cookies that are added to response object? \*

- ☒ get\_cookies()
- ☐ getNewCookies();
- ☐ cookies();
- ☐ returnCookies();

✓ **Correct** 2/2 Points

42. ... are the methods provided by HTTP servlet response to formulate the response to the client.

- i) sendRedirect
- ii) getWriter
- iii) sendError \*

- ☐ A) i and ii only
- ☐ B) ii and iii only
- ☐ C) i and iii only
- ☒ D) All i, ii and iii

✓ **Correct** 2/2 Points

43. Which of the following is the difference between a session and a cookie.

- i) Session is stored in the server but a cookie is stored in the client.
- ii) There is a limit on the amount of data that can be stored on the session but it is not limited to cookies.
- iii) Session can store objects and cookies can store only strings. \*

- ☐ A) i and ii only
- ☐ B) ii and iii only
- ☒ C) i and iii only
- ☐ D) All i, ii and iii

✓ **Correct** 2/2 Points

44. \_\_\_\_\_ object is used to invoke the next filter in the chain of filters? \*

- ☐ FilterConfig
- ☐ Filter
- ☒ FilterChain
- ☐ FilterAction

✓ **Correct** 2/2 Points

45. When the Web Container initializes a servlet, it creates a \_\_\_\_\_ object for the servlet ? \*

- ☒ ServletConfig
- ☐ ServletInit
- ☐ ServletContext
- ☐ None of the above

✓ **Correct** 2/2 Points

46. Which method is called only once in Servlet life cycle ? \*

- ☐ service()
- ☒ init()
- ☐ initialize()
- ☐ all of the above

✗ **Incorrect** 0/2 Points

47. Which method is invoked by the web container to indicate to a filter that it is being placed into service? \*

- ☐ init()
- ☒ doFilter()
- ☐ destroy()
- ☐ service()

✗ **Incorrect** 0/2 Points

48. Deployment Descriptor(DD) is a \_\_\_\_\_. \*

- ☐ Servlet used to maintain other servlet.
- ☐ Text document
- ☐ XML document that is used by Web Container to run servlets and JSPs.
- ☒ Library file.

✗ **Incorrect** 0/2 Points

49. Which of these classes define the getWriter() method that returns an object of type PrintWriter ? Select the one correct answer. ? \*

- ☒ HttpServletRequest
- ☐ HttpServletResponse
- ☐ ServletConfig
- ☐ ServletContext

✓ **Correct** 2/2 Points

50. State whether the following statements about the POST method are True or False.

- i) In the POST method, data is submitted inside the body of the HTTP request.
- ii) Here the data is visible on the URL and less secure. \*

- ☐ A) i-True, ii-True
- ☒ B) i-True, ii-False
- ☐ C) i-False, ii-True
- ☐ D) i-False, ii-False

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