

Highlight or BOLD the correct answer.

1. The current session object in a servlet
 - A. is retrieved from the HttpSession class
 - B. is retrieved from the response object
 - C. is retrieved from the request object**
 - D. is automatically provided in servlet class
2. Which of the following statements is invalid?
 - A. String name = session.getAttribute("fullName");**
 - B. Book book = (Book) session.getAttribute("bookObj");
 - C. session.setAttribute("fullName", "Ted Andrews");
 - D. session.removeAttribute("fullName");
3. Cookies are stored
 - A. in a database
 - B. on the web server that sent the cookie
 - C. in the web application that created the cookie
 - D. on the client**
4. Persistent cookies
 - A. are removed after the session ends
 - B. exist after the session ends**
 - C. can't be deleted
 - D. are often called hidden fields
5. The adCookie cookie in the following statement can be accessed by
`adCookie.setPath("/");`
 - A. only the current directory
 - B. the entire web application
 - C. the entire web server
 - D. anyone**
6. The following Anchor tag demonstrates how to use
`<a href="../servlet/WorkServlet?shift=<%= shiftCode %>" >
View your schedule
`
 - A. URL rewriting
 - B. URL encoding**
 - C. hidden fields
 - D. cookies
7. The current session object is available to
 - A. only JSPs
 - B. only servlets
 - C. both servlets and JSPs**

8. To uniquely identify each row in a table, a relational database uses a
- A. foreign key
 - B. **primary key**
 - C. record
 - D. relational database management system
9. The result set retrieved by the following SELECT statement contains records that have
- ```
SELECT Balance, Num
FROM Accounts
WHERE Balance < 0
```
- A. one field from the Balance table where Account Num is less than 0
  - B. two fields from the Balance table where Account Num is less than 0
  - C. all fields from the Accounts table where Balance is less than 0
  - D. **two fields from the Accounts table where Balance is less than 0**
10. Which of the following is NOT a way to insert data into a table?
- A. an INSERT statement
  - B. a LOAD command
  - C. a SQL script
  - D. **a configuration file**
11. When you code an inner join in a SELECT statement you do *not* need to specify
- A. the name of the first table
  - B. the name of the second table
  - C. **an ORDER BY clause**
  - D. a join column for the first table
  - E. a join column for the second table
12. Before your application can create a Connection object, it must use the forName method of the Class class to load
- A. **a database driver**
  - B. an ODBC data source
  - C. a DBMS
  - D. JDBC
13. To move the cursor through a result set, you can use the methods of the
- a. Statement object
  - b. **ResultSet object**
  - c. Connection object
  - d. ResultSetMetaData object
14. To get information about a result set like the number of columns and names of the columns, you can use the methods of the
- a. Statement object
  - b. **ResultSet object**
  - c. Connection object
  - d. ResultSetMetaData object
15. To execute the Delete statement that follows, which statement would you use?

```
String query = "DELETE FROM Invoices " +
 "WHERE InvoiceTotal = 0 ";
Statement statement = connection.createStatement();
```

- a. `statement.executeQuery(query);`
- b. `statement.executeUpdate(query);`
- c. `statement.executeDelete(query);`
- d. `statement.executeStatement(query);`

16. If ps is a PreparedStatement object and product is a Product object, then the following statement

```
ps.setDouble(3, product.getPrice());
```

- a. sets the third column in the prepared statement to the value that's returned by the getPrice method
- b. sets the third parameter in the prepared statement to the value that's returned by the getPrice method
- c. sets the Price variable to a value of 3
- d. sets the Price column to a value of 3

17. Connection pooling improves database performance because

- a. it provides one connection for each thread of a servlet
- b. it only opens connections when they are needed
- c. a limited number of connections are shared by all users of the application
- d. a limited number of servlet threads are allowed to access the database at one time

18. Which protocol is used to send a message from one mail server to another?

- a. POP
- b. IMAP
- c. SMTP
- d. MIME

19. Which protocol is used to get a message from a receiving mail server?

- a. POP
- b. IMAP
- c. SMTP
- d. MIME

20. To specify that the body of an email is HTML in a MimeMessage object, you use

- a. the setText method
- b. the setContent method
- c. the setBody method
- d. the setSubject method

21. To define an email address in Java, you use a constructor of the
- a. Session class
  - b. **InternetAddress class**
  - c. Address class
  - d. MimeMessage class
22. To use the JavaMail API to send a message, you can use the send method of the
- a. **Transport class**
  - b. Session class
  - c. Properties class
  - d. Message class
23. Which of the following can *not* be stored in the mail session object?
- a. **the protocol that's used to send the message**
  - b. the host computer for the mail server
  - c. the port that's used by the mail server
  - d. the password for connecting to a mail server