Q.1. Select the correct alternative and rewrite the sentence.

1. What are the major components of the JDBC?

    1. DriverManager, Statement, and ResultSet

    2. DriverManager, Driver, Connection, and Statement

    3. DriverManager, Connection, Statement, and ResultSet

    4. DriverManager, Driver, Connection, Statement, and ResultSet

2. Which is responsible for getting a connection to the database?

    1. Driver   2. Connection   3. Statement   4. ResultSet

3. Which of the following is/are steps for the servlet life cycle?

    i) Servlet class is loaded   ii) Servlet instance is created

    iii) init,Service,destroy method is invoked   iv) All of these

4. Identify the method which is used to start a server thread.

    i) start thread()   ii) run()   iii) runthread()   iv) start()

5. JDBC is _____

    i) Java Database Communications   ii) Java Database Concepts

    iii) Java Database Connectivity   iv) Java Database Connections

6. Change in the state of an object is known as_____ .

    i) Event   ii) listener   iii) Layout   iv) application

7. Which of the following interface is used to execute parameterized queries?

    i) Statement interface ii) PreparedStatement iii) ResultSet interface iv) CallableStatement

8. Which of the following displays components row-by-row in the order in which they were added to the JFrame?

    i) CardLayout   ii) FlowLayout   iii) BorderLayout   iv)GridLayout

9. JDBC stands for __

    1. Java Database Connectivity   2. Joint Database connection

    3. Just Dependent component   4. none of the above

10.   __ which allows programs to access SQL databases

    1. JVM   **2. JDBC**   3. JNI   4. IDE

11.   __ is a set of user interface components that is implemented entirely in Java

    1. intermediate code   2. Byte code   **3. Swing**   4. Servlets

12.   What layout manager should You use so that every component occupies the same

size in the container?

    1. Flow Layout   2. Grid Layout   3. Border Layout   4. any Layout

13.   A GUI _

    1. uses buttons, menus, and icons   2. should be easy for a user to manipulate

    3. stands for Graphic Use Interaction.   4. Both 1. and 2.

14.   The Java Foundation Classes (JFC) is a set of GUI components which simplify the development of desktop applications?

    1. True   2.False

15.   _____package contains all the classes and methods required for Event handling in java.

    1. java.applet   2. java.awt   3. java.event   4. java.awt.event

16.   3 method are used to register a keyboard event listener.

    1. KeyListenerO   2. addKistenerO

    3. addKeyListenerO   4. eventKeyboardListenerO

17.   What is a listener in context to event handling?

    1. A listener is a variable that is notified when an event occurs.

    2. A listener is a 'object that is notified when an event occurs.

    3. A listener is a method that is notified when an event occurs.

    4. None of the mentioned

18.   Which of these events is generated when a button is pressed?

    1. ActionEvent   2. KeyEvent   3. Window Event   4. AdjustmentEvent

19.   Which of these packages contains all the event handling interfaces?

    1. java.lang   2. java.awt   3. java.awt.event   4. java.event

20.   _ method can be used to obtain the command name for invoking ActionEvent object.

    1. getCommand()   2. getActionCommand()

    3. getActionEvent()   4. getActionEventCommand()

21.   __ interface define a method actionPerformed().

    1. ComponentListener   2. ContainerListener 3. ActionListener   4. InputListener

22.   Which method is used to set an icon to an Label?

    1. setIcon()   2.setImage()   3. getImage()   4.setIconImage()

23.   _ interfaces define a method itemStateChanged()

    1. ComponentListner   2.ContainerListener 3. ActionListener   4. ItemListener

24.   Which of the following option leads to the portability and security of Java?

    1.The applet makes the Java code secure and portable

    2. Bytecode is executed by JVM

    3. Use of exception handling

4. Dynamic binding between objects

25. Syntax of jsp declaration tag is_____
    i) <% %>   ii) <%= %>   iii)<%! %>   iv) <# #>

26. Method _____ class object is get called when button is clicked.
    i) MouseEvent   ii) KeyEvent   iii) ItemEvent   iv) ActionEvent

27. Cookies are resides on _____ .
    i) web container   ii) server side   iii) client side   iv) none of these

28. In Swing , _____ class allows the editing of multiple line text.
    i) JList   ii) JTextArea   iii) JCheckBox   iv) JTree

29. A _____is a small piece of information that is persisted between the multiple client requests.
    i) Servlet   ii)Table   ii) Cookie   iv) URL

30. MVC stands for _____
    i) Mode View Controller   ii) Model View Control
    iii) Model View Controller   iv) Machine View Controller

31. JSP stands for?
    i) Java server Pages ii)Java sequence pages iii) Java standard Pages iv) None of these

32. Which http method sends by browser that asks the server to get the page only?
    i)get   ii) put   iii)post   iv) option

33. Which package is used for importing swing components?
    1. javax.swing   2. java.swing   3. java.awt   4. All of these

Q.2. Attempt Any Two of the following.

1) Explain Connection, Statement and ResultSet interfaces of JDBC API.

2) Explain different session management techniques in servlet.

3) Explain different components of swing with example.

4) What is JDBC? Explain in detail the process of JDBC.

5) Explain servlet communication in detail.

6) Explain in detail Life cycle of servlet.

7) What is JDBC? Explain JDBC connection steps with simple example.

8) Explain any four components of swing.

9) What is JSP? Explain different scripting elements of JSP.

10)Explain Session tracking technique in servlet.

11)Explain different JDBC drivers in detail.

12) Explain Connection, Statement and ResultSet interfaces of JDBCAPI.

13)What is JDBC? Explain JDBC connection steps with simpleexample.

14) Explain Java Database Connectivity with MySQL.

15) Explain any four components of swing.Explain type casting with example.

Q.3. Attempt Any Four of the following

1) Write short note on JSP.

2) What is cookie? Explain two types of cookies.

3) Explain any JCheckbox and JRadioButton components in swing.

4) Explain life cycle servlet.

5) Write short note on LayoutManager class.

6) Explain JDBC connection steps.

7) What is JSP? Explain JSP life cycle

8) Differentiate between Servlet and JSP.

9) Explain in detail MVC architecture.

10) Write a note on ServletConfig.

11) Write a note on Servlet API.

12) Differentiate between AWT and Swing

13) Write short note on LayoutManager class.

14) Explain two swing components: JList and JComboBox

15) Explain life cycle of JSP.

16) Explain Statement interface of JDBC API.

17) Differentiate between Servlet and JSP.

18) Write short note on servlet. Write short note on JSP.

19) Write short note on servlet.

20) Explain session management using HttpSession.

21) Explain session management usingURLRewritting.

22) What is cookie? Explain two types of cookies.

23) Differentiate between doGet() and dopost()

24) Explain life cycle of Servlet.

25) Differentiate between Servlet and JSP.

26) Write short note on LayoutManager class.

27) Write short note on FlowLayout class.

28) Explain two swing components: i) JList ii) JComboBox.

29) Explain JCheckBox and JRadioButton in brief.

30) Write short note on cookies

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