MCQ with Highlighted bold Answer

1 Which of these methods is defined in MouseMotionAdapter class?
a.   **mouseDragged**()
b.   mousePressed()
c.   mouseReleased()
d.   mouseClicked()

2 Which of these methods will be invoked if a character is entered?
a.   keyPressed()
b.   keyReleased()
c.   **keyTyped**()
d.   keyEntered()

3 Which of these are constants defined in WindowEvent class?
a.   WINDOW_ACTIVATED
b.   WINDOW_CLOSED
c.   WINDOW_DEICONIFIED
d.   **All of the mentioned**

4 Which of these interfaces define a method actionPerformed()?
a.   ComponentListener
b.   ContainerListener
c.   **ActionListener**
d.   InputListener

5. Which of these events is generated when the window is closed?
a.   TextEvent
b.   MouseEvent
c.   FocusEvent
d.   **WindowEvent**

6. Which of these methods can be used to obtain the coordinates of a mouse?
a.   getPoint()
b.   getCoordinates()
c.   getMouseXY()
d.   getMouseCordinates()

7. Which of these events is generated when a button is pressed?
a.   **ActionEvent**
b.   KeyEvent

c. WindowEvent
d. AdjustmentEvent

8. Which of these events is generated by scroll bar?
a. ActionEvent
b. KeyEvent
c. WindowEvent
d. **AdjustmentEvent**

9. Which of these constant value will change when the button at the end of scroll bar was clicked to increase its value?
a. BLOCK_DECREMENT
b. BLOCK_INCREMENT
c. UNIT_DECREMENT
d. **UNIT_INCREMENT**

10. Which of these packages contains all the classes and methods required for even handling in Java?
a. java.applet
b. java.awt
c. java.event
d. **java.awt.event**

11. Which of these methods are used to register a keyboard event listener?
a. KeyListener()
b. addKistener()
c. **addKeyListener()**
d. eventKeyboardListener()

12. Which of these methods are used to register a mouse motion listener?
    a. addMouse()
b. addMouseListener()
c.**addMouseMotionListner()**
d.eventMouseMotionListener()

13. Which of these events will be notified if scroll bar is manipulated?
a.ActionEvent
b.ComponentEvent
c.**AdjustmentEvent**
d.WindowEvent

14. . Which of these functions is called to display the output of an applet?
a) display()
b) paint()
c) displayApplet()
d) PrintApplet()

15. Which of these methods can be used to droutput a string in an applet?
a) display()
b) print()
c) **drawString()**
d) transient()

16. What is the Message is displayed in the applet made by the following Java program?

```
import java.awt.*;
import java.applet.*;
public class myapplet extends Applet
{
   public void paint(Graphics g)
   {
      g.drawString("A Simple Applet", 20, 20);
   }
}
```

a) **A Simple Applet**
b) A Simple Applet 20 20
c) Compilation Error
d) Runtime Error

17. Before we try to write applets, we must make sure that Java is installed properly and also ensure that either the java is installed properly and also ensure that either the java ……………..
or a java-enabled browser is available.
A) viewer( )
B) **appletviewer( )**
C) appletrunner( )
D) browserviewer( )

18. The ………………… method called the first time an applet is loaded into the memory of a computer.
A) **init( )**
B) start( )
C) stop( )
D) destroy( )

19. What does AWT stands for?
A. All Window Tools
B. All Writing Tools
C. **Abstract Window Toolkit**
D. Abstract Writing Toolkit

20. The Applet class is in ………..package
A.**java.applet**

B.java.awt
C.java.io
D.java.util

21. The syntax of paint()method is……………
A. public void paint()
B. public void paint(String s)
C. **public void paint(Graphics g)**
D. public void paint(Graphics g,String s)

22. The(0,0) coordinates of applet window is located at……
A. at the center of the applet
B. at the center of the right edge of the applet
C. at the center of the left edge of the applet
D**. at the upper-left corner of the applet**

23. . which of the following is an optional attribute of applet tag?
A.Code
B.**Name**
C.Width
D.Height

24. Which of the following is the correct way of implementing an interface salary by class manager?
a) class manager extends salary {}
b) class manager implements salary {}
c) class manager imports salary {}
d) none of the mentioned

25. What will be the output of the following Java program?

```
    interface calculate
    {
       void cal(int item);
    }
    class display implements calculate
    {
       int x;
       public void cal(int item)
       {
          x = item * item;
       }
    }
    class interfaces
    {
       public static void main(String args[])
```

```
    {
        display arr = new display;
        arr.x = 0;
        arr.cal(2);
        System.out.print(arr.x);
    }
    }
```
a) 0

b) 2

c) 4

d) None of the mentioned

26. A software might allow a user to interact via

a) keyboard commands

b) mouse movement

c) voice recognition commands

d) all of the mentioned

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

   a) <u>Bytecode is executed by JVM</u>

   b) The applet makes the Java code secure and portable

   c) Use of exception handling

   d) Dynamic binding between objects

28. Which keyword is used for accessing the features of a package?

A)package

B)import

C)extends

D)expose

29 What does AWT stands for?

A. All Window Tools

B. All Writing Tools

C. Abstract Window Toolkit

D. Abstract Writing Tool

30 Java packages such as _____ support the Event handling mechanism.

a.   java.util

b.   java.awt

c.   java.awt.event

d.   **All of these**

31. The concept of the menu bar canbe implemented by using three java classes—

a.   MenuBar
b.   Menu
c.   MenuItem
d.   **All of these**

32.
Java applets are used to create _____ applications

a.   Graphical
b.   User interactive
c.   **Both a & b**
d.   None of these

33 Arranges the components horizontally

a.   BorderLayout
b.   CardLayout
c.   GridLayout
d.   **FlowLayout**

34 Panel is used for _____ components

a.   **Grouping**
b.   Managing
c.   Deleting
d.   Modifying

35 An Applet is a _____ of Panel:

a.   **Subclass**
b.   Superclass
c.   Both a & b
d.   None of these

36
The two types of menus which are given as follows:

a.   Pop-up menus
b.   Regular menus
c.   **Both a & b**
d.   None of these

37 The _____ interface is used to handle the menu events

a. ContainerListener
b. FocusListener
c. **ActionListener**
d. WindowListener

38 The _____ interface handles list events:

a. ContainerListener
b. FocusListener
c. ActionListener
d. **ItemListener**

39 The _____ interface is used to handle button events:

a. ContainerListener
b. ItemListener
c. **ActionListener**
d. WindowListener

40 ItemListener is defined by the _____ method:

a. itemChangedState()
b. **itemStateChanged**()
c. itemChanged()
d. itemState()

41 Which of these operators can be used to get run time information about an object?
a) getInfo
b) Info
c) **instanceof**
d) getinfoof

42 In Java servlet method init( ) is called .... times.
A) **1**
B) 2
C) 0
D) multiple

43. MS-SQL stores data in a .... file format.
A) .**DAT**
B) .MDB
C) .MSSQL
D) .OBJ

44. In JDBC .... imports all Java classes concerned with database connectivity.

A) javax.sql.*
B) java.mysql.*
C) **java.sql.***
D) com.*

45 Where is metadata stored in MySQL?

A.   In the MySQL database metadata
B.   In the MySQL database metasql
C.   **In the MySQL database mysql**
D.   None of the above is correct.

46. _____ is an open source DBMS product that runs on UNIX, Linux and Windows.

A.   **MySQL**
B.   JSP/SQL
C.   JDBC/SQL
D.   Sun ACCESS

47   JDBC stands for:

A.   **Java Database Connectivity**
B.   Java Database Components
C.   Java Database Control
D.   None of the above is correct.

48   Which is a valid keyword in java?

A.   **interface**
B.   string
C.   Float
D.   unsigned

49 A package is a collection of

(a) Classes (b) Interfaces (c) Editing tools
(d) **Classes and interfaces**

50 The Graphics class is resides in_____
    a) java.util
    b) java.lang
    c) java.applet
    d) **java.awt**

51 Which following method is used to set the graphics current color to the specified color in the graphics class?

a) public abstract void setFont(Font font)
b) **public abstract void setColor(Color c)**
c) public abstract void drawString(String str, int x, int y)
d) None of the above

52 Which following method can set or change the text in a Label
a) **setText()**
b) getText()
c) All the above
d) None of the above

53 Which following class is provides many methods for graphics programming?
a) java.awt
b) java.Graphics
c) **java.awt.Graphics**
d) None of the above

54 Which of the following are not Java keywords ?
A.double   B.switch
C.**then**   D.instanceof

55 Which of these operators is used to allocate memory to array variable in Java?
A.alloc   B.malloc
C.new malloc   D.**new**

56 Which of the following are not the methods of the Thread class?
A.yield()   B.sleep(long msec)
C.**go()**   D.stop()

57 What is byte code in Java?
A.**Code generated by a Java compiler**
B.Code generated by a Java Virtual Machine
C.Name of Java source code file
D.Block of code written inside a class

58 Which of these have highest precedence?
   A. ()   B. .++
   C. *   D. .>>

59 Which variables are created when an object is created with the use of the keyword 'new' and destroyed when the object is destroyed?
A.Local variables   B.**Instance variables**
C.Class Variables   D.Static variables

60. Which one is a template for creating different objects ?
A.An Array   B.**class**

C.Interface   D.Method

61 Which of these methods can be used to determine the type of event?
a) getID()
b) getSource()
c) getEvent()
d) getEventObject()

62 Which of these events will be notified if scroll bar is manipulated?
a) ActionEvent
b) ComponentEvent
c) AdjustmentEvent
d) WindowEvent

63 Which of these events will be generated if we close an applet's window?
a) ActionEvent
b) ComponentEvent
c) AdjustmentEvent
d) WindowEvent
64 Applets are designed to be embedded within an _____.

   A. Javascript
   B. Css
   C. HTML
   D. SQL
65 Which method is automatically called after the browser calls the init method?

   A. start
   B. stop
   C. destroy
   D. paint
66 Which of these operators can be used to get run time information about an object?

   A. getInfo
   B. Info
   C. instanceof
   D. getinfoof
67 _____ method is defined in Graphics class, it is used to output a string in an applet.

   A. display()
   B. Print()
   C. drawString()
   D. transient()

   68 Which is the container that doesn't contain title bar and MenuBars but it can have other
   components like button, textfield etc?

   a. Window

b. Frame

c. Panel

d. Container

69   In Graphics class which method is used to draws a rectangle with the specified width and height?

a. public void drawRect(int x, int y, int width, int height)

b. public abstract void fillRect(int x, int y, int width, int height)

c. public abstract void drawLine(int x1, int y1, int x2, int y2)

d. public abstract void drawOval(int x, int y, int width, int height)

70 Which object can be constructed to show any number of choices in the visible window?

a. Labels

b. Choice

c. List

d. Checkbox

71Which method can set or change the text in a Label?

a. setText()

b. getText()

c. All the above

d. None of the above

72 Which are passive controls that do not support any interaction with the user?

a. Choice

b. List

c. Labels

d. Checkbox

73 Which package provides many event classes and Listener interfaces for event handling?

a. java.awt

b. java.awt.Graphics
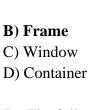
c. java.awt.event

d. None of the above

74 Which class provides many methods for graphics programming?

a. java.awt

b. java.Graphics

c. java.awt.Graphics

d. None of the above

75   Which is the container that contain title bar and can have MenuBars. It can have other components like button, textfield etc.?

A) Panel

B) **Frame**

C) Window

D) Container

76 The following specifies the advantages of

It is lightweight.

It supports pluggable look and feel.

It follows MVC (Model View Controller) architecture.

A) **Swing**

B) AWT

C) Both A & B

D) None of the above

77 In which places can put the event handling code

A) Same class

B) Other class

C) Annonymous class

D) **All mentioned above**

78 The ActionListener interface is used for handling action events,For example,it's used by a

A) JButton

B) JCheckbox

c) JMenuItem

d) **All of these**

79 What is default layout manager for panels and applets?

a) **Flowlayout**

b) Gridlayout

c) BorderLayout

d) GridBagLayout

80 Which of the following sets the frame to 300 pixels wide by 200 high?

a. **frm.setSize(300, 200);**

b. frm.setSize(200, 300);

c. frm.paint(300, 200);

d. frm.setVisible(300, 200);

81 When is the paint() method of a frame object called?

a. The user calls it to display the frame.

b. The main() method calls it once when the program starts.

c. **The Java system calls it every time it decides to display the frame**.

d. The Java system calls it once when the program starts.

82 What is a *Graphics* object?

a.   **The Graphics object represents the part of the Frame that you can draw on.**
b.   The Graphics object represents the whole Frame.
c.   The Graphics object represents the entire monitor.
d.   The Graphics object represents the graphics board.

84 The various controls supported by AWT are
a.   Labels, push buttonss
b.   Checkboxes, choice, list
c.   Scroll bars, text area, text field
d.   All of these

85   The concept of the menu bar canbe implemented by using three java classes—

a.   MenuBar
b.   Menu
c.   MenuItem
d.   **All of these**

86 Java applets are used to create _____ applications

a.   Graphical
b.   User interactive
c.   **Both a & b**
d.   None of these

88 Positions the components into five regions:east, west, north, south, center

a.   BorderLayout
b.   CardLayout
c.   GridLayout
d.   FlowLayout

89ItemListener is defined by the _____ method:

a.   itemChangedState()
b.   itemStateChanged()
c.   itemChanged()
d.   itemState()

90 Which of the following is a correct statement that accepts a whole number value using JOptionPane?

a) String number = Integer.parseInt(JOptionPane.showInputDialog("Enter a number:"));

b) int number = JOptionPane.showInputDialog("Enter a number:");

c) int number = Integer.parseInt(JOptionPane.showInputDialog("Enter a number:"));

d) None of the above

91 Which is the correct statement that displays a whole number value of variable num using JOptionPane?

a) JOptionPane.showMessageDialog(null, "The number is "+num);

b) JOptionPane.showMessageDialog(null, "The number is num");

c) JOptionPane.showMessageDialog(null, "The number is "+num")

d) JOptionPane.showMessageDialog(null, "The number is "num);

92   Which of the following is a correct statement that accepts any number value using JOptionPane?
a) int number = Integer.parseInt(JOptionPane.showInputDialog("Enter a number:"));
b) String number = Integer.parseInt(JOptionPane.showInputDialog("Enter a number:"));
c) float number = JOptionPane.showInputDialog("Enter a number:");
d) float number = Float.parseFloat(JOptionPane.showInputDialog("Enter a number:"));

93 In the given statement: float number = Float.parseFloat(JOptionPane.showInputDialog("Enter a number:")); What is the default data type of the input in JOptionPane?
a) float
b) char
c) String
d) int

94 Which of the following is not true about Java beans?
a) Implements java.io.Serializable interface
b) Extends java.io.Serializable class
c) Provides no argument constructor
d) Provides setter and getter methods for its properties

95 Which file separator should be used by MANIFEST file?
a) /
b) \
c) –
d) //

96 Which of the following is not a feature of Beans?
a) Introspection
b) Events
c) Persistence
d) Serialization

97 What is the attribute of java bean to specify scope of bean to have single instance per Spring IOC?

a) prototype

b) singleton

c) request

d) session

98 Which attribute is used to specify initialization method?

a) initme

b) init-method

c) initialization

d) initialization-method

99 Which attribute is used to specify destroy method?

a) destroy

b) destroy-method

c) destruction

d) destruction-method

100 How to specify autowiring by name?

a) @Qualifier

b) @Type

c) @Constructor

d) @Name

101 .... is the first phase of the servlet life cycle.

A) Initialization

B) Service

C) Destruction

D) Both a and b

102 Java Servelet are efficient and powerful solution for creating .... for the web.

A) dynamic content

B) static content

C) hardware

D) both and b

103 GET methods are great for sending .... amounts of information that you do not mind having visible in a URL.

A) negligible

B) huge

C) small

D) both and b

104 Objects are units of encapsulation of .... and ....

A) Data, behavior

B) data types, data values

C) function definition and function declaration

D) class and method

105 The IDL compiler generates .... and ....

A) runnable code, stubs

B) client, stubs

C) stubs, client

D) stubs, skeleton

106 The concept of distributed object computing can be termed as a marriage between .... and ....

A) C++, java

B) C, C++

C) Networking, Object-oriented programming

D) C, Object-oriented programming

107 JSP is not governed by the .... defined by the Java 2 specifications.

A) syntax and semantics

B) rules and regulation

C) Jakarta tomcat

D) compiler

108 Several vendors are adding .... to their existing database ....

A) JDOBC, middle-ware products

B) JDBC drivers, upper-ware products

C) middle-ware products, JDOBC drivers

D) JDBC drivers, middle-ware products

**************Best Luck *************