1] What does AWT stand for in Java?
A) Abstract Window Toolkit
b) Advanced Window Technology
c) Application Widget Toolkit
d) Automatic Window Tool
Answer: a. Abstract Window Toolkit

Explanation: AWT stands for Abstract Window Toolkit, and it is a set of APIs used for creating graphical user interfaces in Java.

2] Which package provides AWT classes in Java?
a. java.awt
b. java.swing
c. java.io
d. java.net
Answer: a. java.awt

Explanation: The package java.awt provides AWT classes in Java. It includes classes for creating GUI components such as buttons, text fields, and menus.

3] Which of the following is not a component in AWT?
a. Button
b. Checkbox
c. Table
d. TextArea
Answer: c. Table

Explanation: Table is not a component in AWT. However, it is available in the Swing package, which is an extension of AWT

4] What is the parent class of all AWT components?
a. java.awt.Panel
b. java.awt.Component
c. java.awt.Container
d. java.awt.Frame
Answer: b. java.awt.Component

Explanation: java.awt.Component is the parent class of all AWT components. It provides methods for setting and getting the properties of a component, such as its size and position.

5] Which method is used to add a component to a container in AWT?
a. add()
b. setComponent()
c. addComponent()
d. setLayout()
Answer: a. add()

Explanation: The add() method is used to add a component to a container in AWT. It takes a Component object as an argument and adds it to the container.

6] Which method is used to remove a component from a container in AWT?
a. remove()
b. deleteComponent()
c. removeComponent()
d. destroy()
Answer: a. remove()

Explanation: The remove() method is used to remove a component from a container in AWT. It takes a Component object as an argument and removes it from the container.

7] Which layout manager arranges components in a grid of rows and columns?
a. FlowLayout
b. BorderLayout
c. GridLayout
d. CardLayout
Answer: c. GridLayout

Explanation: The GridLayout layout manager arranges components in a grid of rows and columns. Each component is given an equal amount of space within the grid.

8] Which layout manager arranges components in a single row or column?
a. FlowLayout
b. BorderLayout
c. GridLayout
d. BoxLayout
Answer: a. FlowLayout

Explanation: The FlowLayout layout manager arranges components in a single row or column. Components are laid out next to each other, with new components added to the next available position.

9] Which event is generated when a user clicks a button in AWT?
a. MouseEvent
b. ActionListener
c. KeyEvent
d. WindowEvent
Answer: b. ActionListener

Explanation: The ActionListener event is generated when a user clicks a button in AWT. It is used to handle button clicks and perform the necessary actions.

10] Which event is generated when a window is resized in AWT?

a. WindowEvent

b. ComponentEvent

c. ResizeEvent

d. ContainerEvent

Answer: b. ComponentEvent

Explanation: The ComponentEvent is generated when a window is resized in AWT. It is used to handle changes in the size or position of components.

11] Which event is generated when a window is closed in AWT?

a. WindowEvent

b. ComponentEvent

c. CloseEvent

d. ContainerEvent

Answer: a. WindowEvent

Explanation: The WindowEvent is generated when a window is closed in AWT. It is used to handle window closing events and perform the necessary cleanup tasks.

12] Which class is used to create a menu bar in AWT?

a. java.awt.Menu

b. java.awt.MenuBar

c. java.awt.MenuItem

d. java.awt.PopupMenu

Answer: b. java.awt.MenuBar

Explanation: The java.awt.MenuBar class is used to create a menu bar in AWT. It is added to the top of a window and contains one or more menus.

13] Which class is used to create a popup menu in AWT?

a. java.awt.Menu

b. java.awt.MenuBar

c. java.awt.MenuItem

d. java.awt.PopupMenu

Answer: d. java.awt.PopupMenu

Explanation: The java.awt.PopupMenu class is used to create a popup menu in AWT. It can be displayed when the user right-clicks on a component.

14] Which class is used to create a menu item in AWT?

a. java.awt.Menu

b. java.awt.MenuBar

c. java.awt.MenuItem

d. java.awt.PopupMenu

Answer: c. java.awt.MenuItem

Explanation: The java.awt.MenuItem class is used to create a menu item in AWT. It is added to a menu and can be clicked by the user to perform an action.

15] Which class is used to create a file dialog in AWT?

a. java.awt.Dialog

b. java.awt.FileDialog

c. java.awt.Frame

d. java.awt.Window

Answer: b. java.awt.FileDialog

Explanation: The java.awt.FileDialog class is used to create a file dialog in AWT. It allows the user to select a file from the file system.

16] Which class is used to create a color dialog in AWT?

a. java.awt.Dialog

b. java.awt.ColorDialog

c. java.awt.Frame

d. java.awt.Window

Answer: a. java.awt.Dialog

Explanation: The java.awt.Dialog class is used to create a dialog in AWT. It can be customized to display a color picker.

17] Which class is used to create a font dialog in AWT?

a. java.awt.Dialog

b. java.awt.FontDialog

c. java.awt.Frame

d. java.awt.Window

Answer: a. java.awt.Dialog

Explanation: The java.awt.Dialog class is used to create a dialog in AWT. It can be customized to display a font picker.

18] Which class is used to create a scroll pane in AWT?

a. java.awt.ScrollPane

b. java.awt.ScrollBar

c. java.awt.ScrollPanel

d. java.awt.ScrollWindow

Answer: a. java.awt.ScrollPane

Explanation: The java.awt.ScrollPane class is used to create a scroll pane in AWT. It is used to display components that are too large to fit within a container.

19] Which class is used to create a canvas in AWT?

a. java.awt.Canvas

b. java.awt.Panel

c. java.awt.Container

d. java.awt.Frame

Answer: a. java.awt.Canvas

Explanation: The java.awt.Canvas class is used to create a canvas in AWT. It provides a blank area on which graphics can be drawn.

20] 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

Answer: Option C

21] The Swing Component classes that are used in Encapsulates a mutually exclusive set of buttons?

A. AbstractButton

B. ButtonGroup

C. JButton

D. ImageIcon

Answer: Option B

22] 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

Answer: Option C

23] 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)

Answer: Option A

24] Name the class used to represent a GUI application window, which is optionally resizable and can have a title bar, an icon, and menus.

A. Window

B. Panel

C. Dialog

D. Frame

Answer: Option D

25] To use the ActionListener interface it must be implemented by a class there are several ways to do that find in the following?

A. Creating a new class

B. Using the class the graphical component

C. An anonymous inner class

D. All mentioned above

Answer: Option D

26] Which is a component in AWT that can contain another component like buttons, text fields, labels etc.?

A. Window

B. Container

C. Panel

D. Frame

Answer: Option B

27] Which is used to store data and partial results, as well as to perform dynamic linking, return values for methods, and dispatch exceptions?

A. Window

B. Panel

C. Frame

D. Container

Answer: Option C

28] What are the different types of controls in AWT?

A. Labels

B. Pushbuttons

C. Checkboxes

D. Choice lists

E. All of these

Answer: Option E

29] Give the abbreviation of AWT?

A. Applet Windowing Toolkit

B. Abstract Windowing Toolkit

C. Absolute Windowing Toolkit

D. None of the above

Answer: Option B

30] Which class provides many methods for graphics programming?

A. java.awt

B. java.Graphics

C. java.awt.Graphics

D. None of the above

Answer: Option C

31] By which method you can set or change the text in a Label?

A. setText()

B. getText()

C. Both A & B

D. None of the above

Answer: Option A

32] Which class can be used to represent a checkbox with a textual label that can appear in a menu?

A. MenuBar

B. MenuItem

C. CheckboxMenuItem

D. Menu

Answer: Option C

33] 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

Answer: Option A

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

A. True

B. False

C. All of these

D. None

Answer: Option A

35] How many types of controls does AWT supports these controls are subclasses of component?

A. 7

B. 6

C. 5

D. 8

Answer: Option A

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

A. Choice

B. List

C. Labels

D. Checkbox

Answer: Option C

37] How many ways can we align the label in a container?

A. 1

B. 2

C. 3

D. 4

Answer: Option C

38] The following way is used to create a frame is by creating the object of Frame class?

A. inheritance

B. association

C. Both A & B

D. None of the above

Answer: Option B

39] Which of the following classes are derived from the Component class.

A. Container

B. Window

C. List

D. MenuItem

Answer: Option D