
CHAPTER-1 (Abstract Windowing Toolkit (AWT))

1. 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

2. 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

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

- a. Choice
- b. List
- c. **Labels**
- d. Checkbox

4. For windows, the default layout manager is _____.

- a) **BorderLayout**
- b)FlowLayout
- c)GridLayout
- d)GridBagLayout

5. The java.applet.Applet class 4 life cycle methods and java.awt.Component class provides how many life cycle methods for an applet?

- a)1
- b)2
- c)3
- d)**4**

6. Which life cycle method of an applet java.awt.Component class provides?

- a) **public void paint(Graphics g)**
- b) public void destroy()
- c) public void stop()
- d) public void init()

7. Which is the correct order for lifecycle of an applet?

- a) Applet is intialized,started,painted,destroyed,stopped
- b) Applet is painted,started,stopped,initilaized,destroyed
- c) **Applet is initialized,started,painted,stopped,destroyed**
- d) None of the above

8. Which Invoked immediately after the start() method, and also any time the applet needs to repaint itself in the browser?

- a) stop()
- b) init()
- c) **paint()**
- d) destroy()

9. 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

10. The general form to set a specific type of layout manager is

- a) **Void setLayout(Layoutmanager lm)**
- b) void setLayout(layoutManager lm)
- c) Void setLayout(LayoutManager lm)
- d) voidsetLayout(LayoutManager lm)

11. getSelectedCheckbox() method of which class.

- a) **CheckboxGroup**
- b) Checkbox
- c) Choice
- d) List

12. Which method is use to check the status of check box?

- a) setState()
- b) **getState()**

- c) setLabel()
- d) getLabel()

13. _____ arranges the component in rows and column.

- a) BorderLayout
- b) FlowLayout
- c) **GridLayout**
- d) CardLayout

14. What is the return type of getItem()?

- a) **Object**
- b) int
- c) String
- d) All of these

15. Window class is base class for two window classes 1) _____ 2) _____.

- a) Panel and Frame
- b) Component and Frame
- c) Window and Panel
- d) Component and Panel

16. For a TextArea that is 80 character-widths wide and 10 character-heights tall, which is the correct code?

- a) new TextArea(80,10)
- b) **new TextArea(10,80)**
- c) New TextArea(10,80)
- d) new Textarea(80,10)

17. A Scrollbar is a _____.

- a) **Component**
- b) Container
- c) Object
- d) None of the above

18. A ScrollPane is a _____.

- a) **Component**
- b) object
- c) Container
- d) None of the above

19. Which method is used to set text of a Label object?

- a) **setText()**
- b) setLabel
- c) setTextLabel()
- d) setLabelText()

20. Which of the following creates a List with 5 visible items and multiple selection enabled?

- a) **new List(5,true)**
- b) new List(true,5)
- c) new List(5,false)
- d) new List(false,5)

21. Which method will cause Frame to be displayed?

- a) show()
- b) display()
- c) displayFrame()
- d) **setVisible()**

22. Which is the Default Layout Manager for Window and window subclasses(Frame,Dialog)?

- a) CardLayout
- b) FlowLayout
- c) **BorderLayout**
- d) GridLayout

23. Which method is the method to set the Layout of the Container?

- a) startLayout()
- b) intLayout()
- c) layoutContainer()
- d) **setLayout()**

24. Which Layout is for organizing the componets in the tabular form?

- a) CardLayout
- b) FlowLayout
- c) BorderLayout
- d) **GridLayout**

CHAPTER-2 (Swings)

Q.1 Pluggable look and feel and lightweight components are the features supported by ____.

- a) **Swing**
- b) AWT
- c) Core Java
- d) None of these

Q.2 Swing is based on _____ architecture.

- a) Client server
- b) **model view controller**
- c) Layered
- d) None of these

Q.3 Following letter used as a prefix to swing component.

- a) A
- b) S
- c) G
- d) **J**

Q.4 In swing JButton class is derived from _____.

- a) **Abstract Button**
- b) JToggleButton
- c) JComponent
- d) None of these

Q.5 The JTextComponent derives two components JTextField and _____.

- a) JComboBox
- b) **JTextArea**
- c) JSlider
- d) All of the above

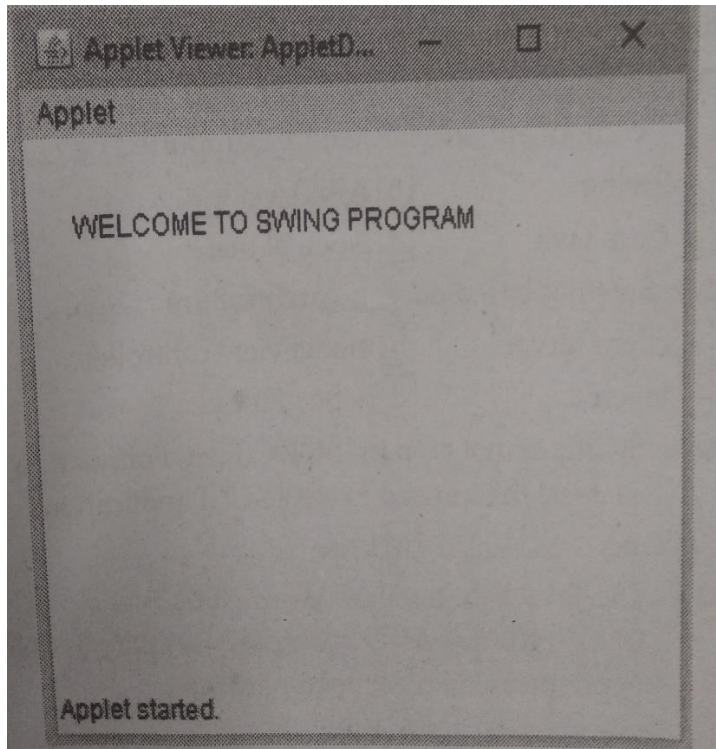
Q.6 In swing class hierarchy the class present at the root is _____.

- a) Component
- b) Window
- c) Container
- d) **Object**

Q.7 _____ pane can be used to add component to container.

- a) Glass
- b) **Content**
- c) Container
- d) All of above

Q.8 Select the correct source code using swing for generating following output.



a) <pre>public class AppletDemo extends JApplet { public void paint(Graphics g) { g.string("WELCOME TO SWING PROGRAM ",20,40); } }</pre>	b) <pre>public class AppletDemo extends JApplet { public void paint(Graphics g) { g.drawString("WELCOME TO SWING PROGRAM ",20,40); } }</pre>
c) <pre>public class AppletDemo { public void paint(Graphics g) { g.drawString("WELCOME TO SWING PROGRAM ",20,40); } }</pre>	d) <pre>public class AppletDemo extends JApplet { public void paint(Graphics g) { g.display("WELCOME TO SWING PROGRAM ",20,40); } }</pre>

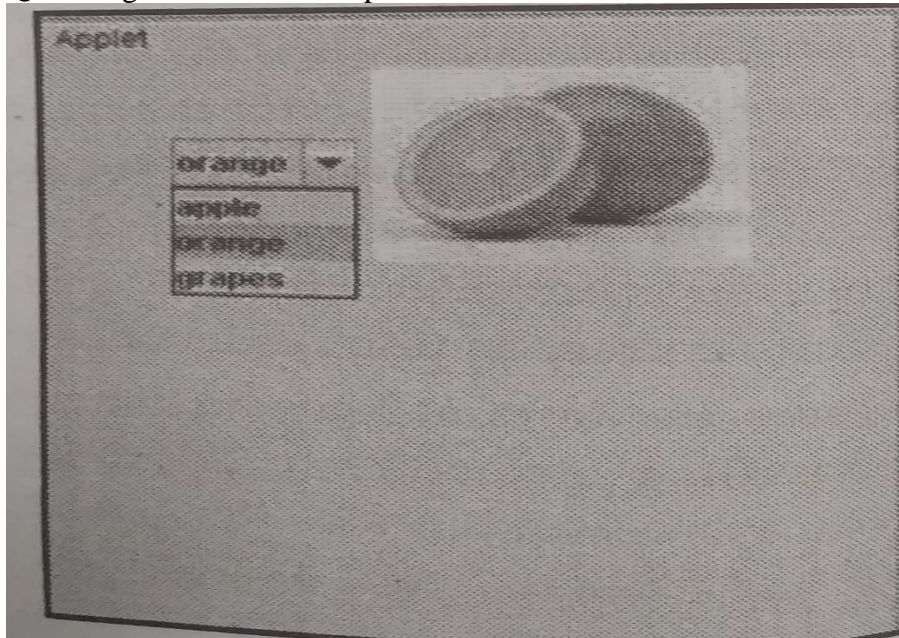
Q.9 To represent Icon file in swing label we use

- | | |
|-----------------|-------------------|
| a) seting | b) setIcon |
| c) setLabelIcon | d) None of these |

Q.10 Which of the following component allows multiple selection?

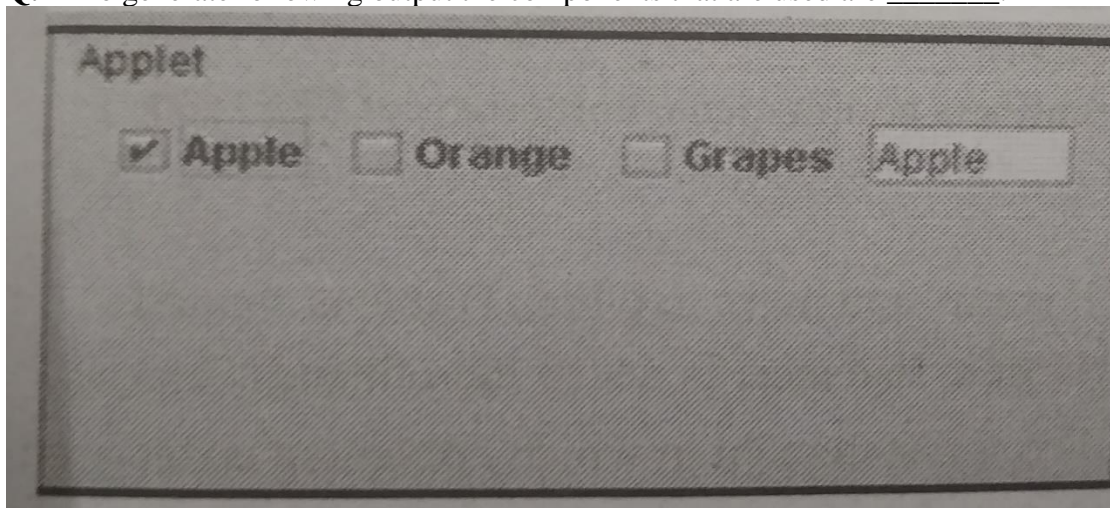
- a) **JList**
- b) JComboBox
- c) JLabel
- d) All of the above

Q.11 To generate above output we need _____.



- a) List, choice, Button, ImageIcon
- b) ComboBox, ImageIcon, Label
- c) List and Image Icon
- d) **ComboBox and ImageIcon**

Q.12 To generate following output the components that are used are _____.



- a) **Checkbox, Textbox**
- b) Radiobutton, Textbox
- c) Checkbox, Button
- d) List, Textbox

Q.13 The subclass of JToggleButton is _____.

a) **JButton**

c) **JRadioButton**

b) **JCheckBox**

d) Both b and c

Q.14 The swing component classes that are used in Encapsulates a mutually exclusive set of buttons?

a) **AbstractButton**

c) **JButton**

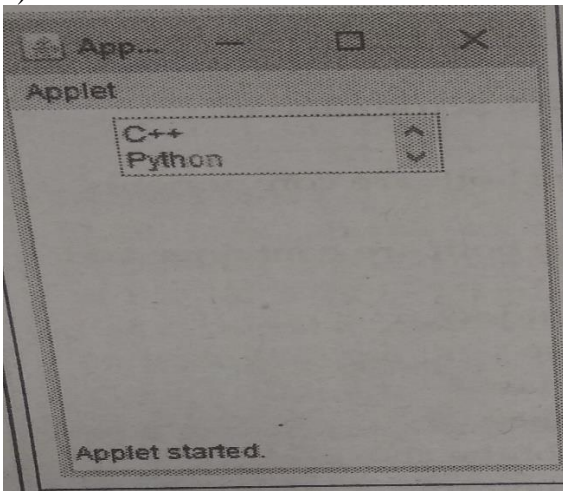
b) **ButtonGroup**

d) **ImageIcon**

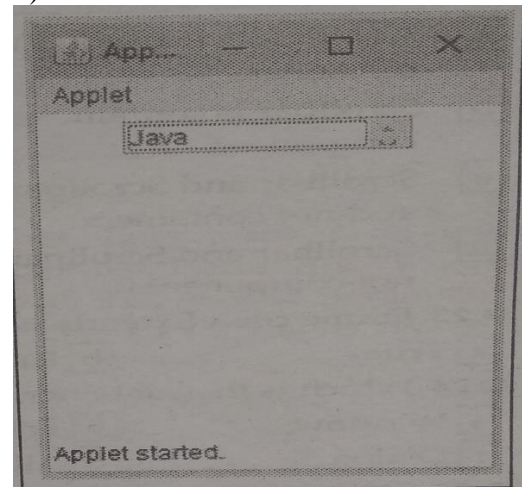
Q.15 Select the correct output generated by following code

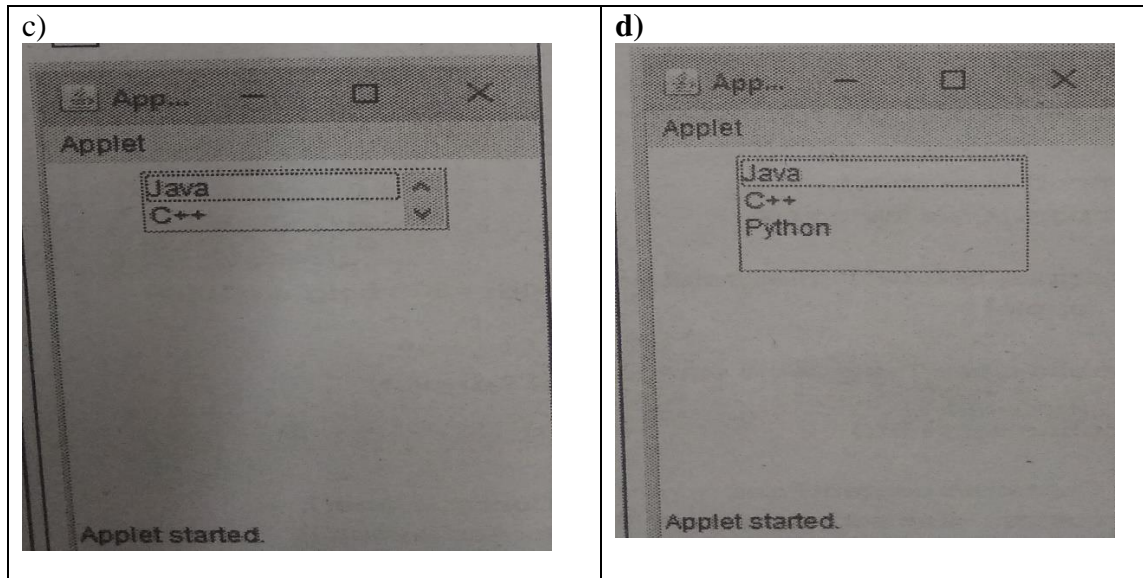
```
import java.awt.*;
import java.applet.*;
/*<applet code=Test.class height=200 width=200>
</applet>*/Public class Test extends Applet
{
Public void init()
{
List l=new List(2,true);
l.add("Java");
l.add("C++");
l.add("Python");
add(l);
}
}
```

a)



b)





Q.16 Which method of the component class is used to set the position and size of a component.

- a) setPosition
- b) **setBounds**
- c) setSize
- d) None of these

Q.17 The difference between Scrollbar and Scrollpane is

- a) **Scrollbar is component and Scrollpane is container**
- b) Scrollbar is container and Scrollpane is component
- c) Scrollbar and Scrollpane both are components and not containers
- d) Scrollbar and Scrollpane both are containers and not components

Q.18 Which is the container class?

- a) Window
- b) Frame
- c) Dialog
- d) **All of the above**

Q.19 Following is uneditable control

- a) Button
- b) TextField
- c) **Label**
- d) List

Q.20 Debug following program

```
import javax.swing.*;
import java.awt.*;
import javax.swing.tree.*;
/*<applet code="TableDemo" width=300 height=100>
</applet>*/
public class TableDemo extends JApplet
{
    public void init ()

    {
```

```

Container contentPane=getContentPane();
contentPane.setLayout(new BorderLayout());
final String[] th={"Name","City","Salary","Designation"};
final Object[][] mytable={
    {"Arun","Pune","5000","Accountant"},
    {"Archana","Mumbai","7000","Executive"},
    {"Shivani","Bangalore","10000","Manager"},
    {"Priyanka","Chennai","8000","Programmer"},
    {"Monika","Hyderabad","10000","Designer"},
    {"Shilpa","Hyderabad","12000","Director"},
    {"Anuja","Delhi","17000","Director"},
    {"Kumar","Pune","10000","Manager"},
};
JTable table=new JTable(mytable);
int vscrollbar=ScrollPaneConstants.VERTICAL_SCROLLBAR_AS_NEEDED;
int hscrollbar=ScrollPaneConstants.HORIZONTAL_SCROLLBAR_AS_NEEDED;
JScrollPane mypane=new JScrollPane(table,vscrollbar,hscrollbar);
contentPane.add(mypane,BorderLayout.CENTER);
}
}

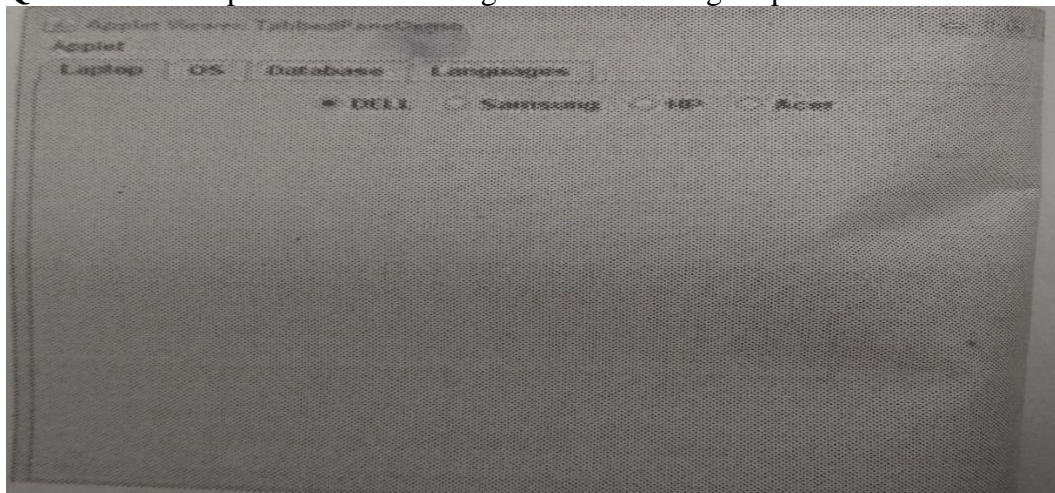
```

- a) **Error in statement in which JTable is created.**
- b) Error in statement in which JScrollPane is created
- c) Error in statement in which applet tag is declared
- d) None of these

Q.21 JPanel and Applet use _____ as their Default Layout.

- a) **FlowLayout**
- b) GridLayout
- c) BorderLayout
- d) GridBagLayout

Q.22 Which components are used to generate following output?



- a) **Panel, Tabbed Pane, Radio Button**
- b) Tabbed Pane, List
- c) Tabbed Pane, Panel

d) Label, Tabbed Pane, Checkbox

Q.23 MVC stands for _____.

- a) Model Version Control
- b) **Model View Controller**
- c) Mini View Controller
- d) Major View Controller

Q.24 In Swing _____ gives the visual representation of the component

- a) Model
- b) **View**
- c) Controller
- d) None of these

Q.25 In swing the event handling task is carried out by _____.

- a) Model
- b) View
- c) **Controller**
- d) None of these

Q.26 _____ represents enterprise data and the business rules that gives access to enterprise data.

- a) **Model**
- b) View
- c) Controller
- d) None of these

Q.27 A _____ is component that represents a hierarchical view of data .

- a) JTable
- b) **JTree**
- c) JMenuBar
- d) None of these

Q.28 We can use _____ pane to add component to container

- a) **contentpane**
- b) rootpane
- c) glasspane
- d) all

Q.29 In swing, the content pane can be obtained via method _____.

- a) **getContentPane**
- b) addContentPane
- c) both a&b
- d) None of these

Q.30 In a swing _____ is a component that display rows and columns of data.

- a) **table**
- b) card
- c) both a&b
- d) None of these

Q.31 In a swing, tables are implemented by the _____ class.

- a) JPanel
- b) **JTable**
- c) JTree
- d) None of these

Q.32 To use the swing components _____ package is imported.

- a) java.awt
- b) java.swing
- c) **javax.swing**
- d) None of these

Q.33 _____ is base class for all swing components.

- a) **Object**
- b) JComponent
- c) Container
- d) None of these

Q.34 The _____ is a fundamental swing class.

- a) JApplet
- b) **JFrame**
- c) JPanel
- d) None of these

Q.35 The JTextField is extended from _____ class.

- a) JApplet
- b) **JComponent**
- c) JFrame
- d) All of these

Q.36 JTextField has _____ number of constructors.

- a) 5
- b) **4**
- c) 3
- d) 2

