TY DIPLOMA - VIMP QUESTIONS
ADVANCE JAVA PROGRAMMING

Unit :01
Abstract Windowing Toolkit (AWT)

1) The various controls supported by AWT are
   a) Labels, push buttons
   b) Checkboxes, choice, list
   c) Scroll bars, text area, text field
   d) **All of these**

2) The concept of the menu bar can be implemented by using three java classes—
   a) MenuBar
   b) Menu
   c) MenuItem
   d) **All of these**

3) The constructor which the Text Event class defines.
   a) **TextEvent(Object source, int event_type)**
   b) textevent (Object source, int event_type)
   c) textevent (object Source, float event_type)
   d) textevent (Object source, string event_type)

4) In Java an event is an _____which specifies the change of state in the source.
   a) Class
   b) Object
   c) Int
   d) String

5) The classes and interfaces defined in AWT are contained within the _____ package.

a) java.awt.*

b) java.sql.*

c) java.io.*

d) java.int*

6) 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) Void setLayout(Layoutmanager lm)

7) The AWT container is an instance of the _____ class which holds various components and other containers

a) Graphics

b) **Container**

c) Eventobj

d) None of these

8) A checkbox is a control that consists of a

a) Combination of a small box

b) A label

c) Combination of a large box and a label

d) **Both a & b**

9) Java applets are used to create _____ applications

a) Graphical

b) User interactive

c) **Both a & b**

d) None of these

10) AWT means

a) **Abstract Window Toolkit**

b) Abstract Window Toollayout

c) Abstract Withdraw Tools

d) Abstract Window Title

11) An event is generated when the internal state of the event source is_____

a) Not changed

b) Changed

c) Either changed or not

d) None of these

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

a) **BorderLayout**

b) CardLayout

c) GridLayout

d) FlowLayout

13) Arranges the components as a deck of cards such that only one component is visible at a time

a) BorderLayout

b) **CardLayout**

c) GridLayout

d) FlowLayout

14) Arranges the components horizontally

a) BorderLayout

b) CardLayout

c) GridLayout

d) **FlowLayout**

15) Arranges the componemnts into grid

a) BorderLayout

b) CardLayout

c)GridLayout

d) FlowLayout

16) _____ creates a dropdown list of textual entries

a) Choice

b) Checkbox

c) Textbox

d) TextComponent

17) The Component class is an abstract class and so its _____ are used to create components.

a) Subclasses

b)Superclasses

c) Both a & b

d)None of these

18) The AWT classes can be roughly categorized into the following groups:

a) GUI Components

b) Layouts

c) Graphics Tools

d) Event Handlers

e) **All of these**

19) An Applet is a _____ of Panel:

a) Subclass

b) Superclass

c) Both a & b

d) None of these

20) The subclasses of Window are

a) Dialog

b) Frame

c) **Both a & b**

d) None of these

21) A menu bar represents

a) A list of menus which can be added to the top of a top-level window

b) A list of menus which can be deleted to the top of a top-level window

c) A list of menus which can be added to the bottom of a bottom-level window d) None of these

22) Each menu is associated with a _____ list of menu items:

a) Checkbox

b) **Drop-down**

c) Choice

d) None of these

23) 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

24) Regular menus are placed at the _____ of the application window within a menu bar

a) Top

b) Bottom

c) Top-down

d) Botttom-up

25) The text field and text area controls create a _____ area respectively

a) Single-line text

b) Multi-line text

c) **Both a & b**

d) None of these

26) A push button is an active control that has a _____ appearance

a) One dimensional

b) Two dimensional

c) **Three dimensional**

d) None of these

27) _____ is a superclass of TextField and TextArea classes that is used to create single-line or multiline textfields respectively:

a)TextBox

b)CheckBox

c)TextComponent

d)Choice

28) A label is a simple control which is used to display_____ on the window:

a) Text(non-editable)

b) Text(editable)

c) Both a & b

d) None of these

29) _____ is an abstract class that encapsulates all of the attributes of a visual component.

a)Component

b)Window

c)Frame

d) Panel

30) A ____object is responsible for remembering the current foreground and background colors

a)Window

b)Component

c)None

d)Both

31) Which class is a subclass of Component?

a) Container

b) Window

c) Frame

d) none

32)The _____ class is a concrete subclass of Container.

a) Container

b) Window

c) **Panel**

d) None

33)Panel is a superclass for _____.

a) Window

b) Frame

c) **Applet**

d) None

34) Which is a container that does not contain a title bar, menu bar, or border?

a)Window

b)Frame

c)Panel

d)Container

35)Name the class used to represent GUI component that has a title bar, menu bar, borders, and resizing corners.

a) Window

b) Container

c) **Frame**

d) Panel

36) How many Frame constructor are present?

a) 1

b) 2

c) 3

d) 4

37) Which method is used to set title for the Frame window?

a)Frame()

b)Frame(String title)

c) Frame(String title,int x,int y)

d) None

38) Which method is used to set the dimensions of the window?

a)setSize()

b)void setSize(int newWidth, int newHeight)

c)void setSize(Dimension newSize)

d)**All of the above**

39) The ____ method is used to obtain the current size of a window.

a) getSize()

b)setSize()

c)None

d)Both

40)Which method is used for hiding and showing a window in the frame window.

a)setVisible()

b)getVisible( )

c)both

d)None

41) To implement the windowClosing() method which interface is used?

a) ActionListener

b) ItemListener

c) WindowListener

c) None

42) Which of these packages contains all the classes and methods required for event handling

a) java.awt.Applet;

b) **java.awt.event;**

c) java.awt;

d) java.event;

43) On invoking repaint() method for a Component the method invoked by AWT is:

a)draw( )

b)show( )

c)update( )

d) paint( )

44) Which of these events will be generated if we close the applet?

a)ActionListener

b)ItemListener

c)MouseListener

d)WindowListener

45) _____ encapsulates a semantics-free window.

a)Frame

b)Panel

c)Canvas

d)None

46)The class at the top of the AWT hierarchy

a)Component

b)Frame

c)Window

d)Panel

47)Which class dispatches events to multiple listener

a)AWTEvent

b)AWTEventMulticaster

c)AWTEventManager

d) All of the Above

48) Add instance of the desired control to the window by calling ____ method, defined by ____ class.

a)add() , Container

b)add() , Component

c)addTo() , Container

d)addTo(), Component

49)To remove a control from a window ___ method is used.

a)removeControl()

b)remove()

c)removeAll()

d)None of the above

50)You can remove all controls by calling method.

a)remove()

b)removeFrom()

c)Remove()

d)removeAll( )

51)Label defines the following constructors:

a)Label( )

b)Label(String str)

c)Label(String str, int how)

d)All of the above

52)In the Label(String str, int how) constructor value of how will be-

a)Label.LEFT, Label.RIGHT, or Label.CENTER

b)Label.LEFT, Label.RIGHT, or Label.DOWN

c)Label.TOP, Label.BOTTOM, or Label.CENTER

d)Label.TOP, Label.BOTTOM, or Label.DOWN

53)To set or change the text in a label __ method and to obtain the current label by calling ___ method is used.

a)setTxt() , getTxt()

b)settext() , gettext()

c)setText() , getText()

d)getText() , setText()

54)To set the alignment of the string within the label by calling ___ method ,to obtain the current alignment ___ method is used.

a)getAlignment( ) ,setAlignment( )

b)setAlign( ) ,getAlign( )

c)setAlignment( ) ,getAlignment( )

d)getAlign( ) ,setAlign( )

55) Which packages will use for the following code:

/*

<applet code="LabelDemo" width=300 height=200>

</applet>

```
*/
public class LabelDemo extends Applet { public void
init() {
Label one = new Label("One");
Label two = new Label("Two");
Label three = new Label("Three"); //
add labels to applet window
add(one); add(two); add(three);
}
}
```

a) **import java.awt.*; import java.applet.*;**

b) import javax.swing.*; import java.awt.*;

c) import javax.swing.*; import java.applet.*;

d) d)import java.applet.*; import java.awt.event.*;

56) Button defines these two constructors:

a) Button( ), Button(Boolean str)

b) Button( ) ,Button(int str)

c) **Button( ), Button(String str)**

d) Button( ) ,Button(String str , int name)

57) Set label of a button by calling __ method and can retrieve its label by calling __ method.

a) getLabel( ) , setLabel( )

b) **setLabel( ) , getLabel( )**

c) getlabel( ) , setlabel( )

d) d)setlabel( ) , getlabel( )

58) Each time a button is pressed, an ___ is generated.

a) mouse event

b) Keyboard event

c) item event

d) action event

59) For button __ interface is implemented.

a)ActionListener

b)ItemListener

c)MouseListener

d)FocusListener

60) actionPerformed() method is used in ___ interface.

a)ActionListener

b)ItemListener

c)MouseListener

d)FocusListener

61)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

62) To retrieve the current state of a check box, call __ method , to set its state, call __ method.

a) setState( ) , getState( )

b) **getState( ) , setState( )**

c) setstate( ) , getstate( )

d) getstate( ) , setstate( )

63) Event handling in checkbox is done by __ listener and __ object is used.

a)ItemListener , ItemEvent

b)MouseListener , MouseEvent

c)ActionListener , ActionEvent

d)KeyListener , KeyEvent

64) Which method is defined by the ItemListener interface?

a)actionPerformed()

b)ActionPerformed()

c)itemStateChanged()

d)ItemstateChanged()

65) Choose the correct:

a)public class CheckboxDemo implement Applet extend ItemListener

b)public class CheckboxDemo extends Applet implements ItemListener

c)public class CheckboxDemo implements Applet extends ItemListener

d)public class CheckboxDemo extend Applet implement ItemListener

66) .It is possible to create a set of mutually exclusive check boxes in which one and only one check box in the group can be checked at any one time by using __ component.

a) **CheckboxGroup**

b) Radio Button

c) Checkbox

d) Choice

67) You can determine which checkbox in a group is currently selected by calling __ method.

a)getselectedCheckbox( )

b)GetSelectedCheckbox( )

c)getSelectedCheckbox( )

d)None of the above

68)To set a checkbox which method is used-

a)setselectedCheckbox( )

b)setSelectedCheckbox( )

c)getselectedCheckbox( )

d)getSelectedCheckbox( )

69)In which of the following the only one checkbox will be selected.

a)Checkbox Win98 = new Checkbox("Windows 98/XP", cbg, false);

b)Checkbox Win98 = new Checkbox("Windows 98/XP", cbg, true);

c)Checkbox Win98 = new Checkbox("Windows 98/XP", true);

d)Checkbox Win98 = new Checkbox("Windows 98/XP", false);

70) Which class is used to create a pop-up list of items from which the user may choose.

a) **Choice**

b) List

c) Checkbox

d) CheckboxGroup

71) Method used to add items in a choice-

a)addItem()

b)additem()

c)Add()

d)add()

72)To determine which item is currently selected, you may call either ___ or ____ method.

a)setSelectedItem( ),setSelectedIndex( )

b)GetSelectedItem( ),GetSelectedIndex( )

c)getSelectedItem( ),getSelectedIndex( )

d)getselectedItem( ),getselectedIndex( )

73)The getItemCount( ) method is used to-

a)To obtain the value of items in the list

b)To obtain the number of items in the list

c)Both a & b

d)None of the above

74) Constuctors of scrollbar are-

a) Scrollbar( ) ,Scrollbar(int style) ,Scrollbar(int style, int initialValue, int thumbSize)

b) Scrollbar( ), Scrollbar(int style) ,Scrollbar(int style, int initialValue, int thumbSize, int min

c) Scrollbar( ),Scrollbar(int style),Scrollbar(int style, int initialValue, int thumbSize, int max)

d) **Scrollbar( ),Scrollbar(int style),Scrollbar(int style, int initialValue, int thumbSize, int min, int max)**

75) Scrollbar uses which two constants to create horizontal and vertical scrollbar.

a)Scrollbar.Vertical , Scrollbar.Horizontal

b)Vertical.SCROLLBAR , Horizontal.SCROLLBAR

c)Scrollbar.VERTICAL , Scrollbar.HORIZONTAL

d)None of the above

76) To obtain the current value of the scroll bar, call ___, to set the current value, call __ method.

a) setvalue( ), getvalue( )

b) setValue( ) , getValue( )

c) getvalue( ). setvalue( )

d) **getValue( ) , setValue( )**

77) You can retrieve the minimum and maximum values of scrollbar by __ and___ method

a)getMinimum( ), getMaximum( )

b)getMax(), getMin()

c)setMinimum(), setMaximum()

d)setMax(), setMin()

78) Which interface is implemented for handling scrollbars. a)ActionListener

b)AdjustmentListener

c)MouseMotionListener

d)ItemListener

79) The_____ class implements a single-line text-entry area

a)TextArea class

b)TextField class

c)both a & b

d)none of the above

80) Which of these is not aTextField Constructor

a)TextField( )

b)TextField(intnumChars)

c)TextField(int rows)

d)TextField(Stringstr)

81) To obtain the text currently in the text field, which method is used?

a) getWord()

b) getString()

c)**getText()**

d) getRow()

82) Program can obtain the currently selected text by calling _____

a) **getSelectedText()**

b) getText()

c) getSelected()

d) getEdit()

83) Contents of a text field may be modified by the user by calling

a) **setEditable( )**

b) getEditable()

c) isEditable()

d) None of the above

84) The echoing of the characters as they are typed by calling

a) setPassword()

b) **setEchoChar( )**

c) hideText()

d) setChar()

85) The AWT includes a simple multiline editor called

a)TextField

b)TextArea

c)Editor

d)Label

86)Which of the following is not a constructor of TextArea

a)TextArea(String str)

b)TextArea(intnumLines, intnumChars)

c)TextArea(Stringstr, intnumLines, intnumChars, intsBars)

d)TextArea(Stringstr, intsrows)

87) Which methods is not supported by TextArea

a) getText()

b) **setFormat()**

c) setText()

d) SetEditable()

88) The_____method appends the string specified by str to the end of the current text.

a)append()

b)insertText()

c)attach()

d)editText()

89) ____ method inserts the string passed in str at the specified index.

a)append()

b)attachText()

c)insert()

d)join()

90) To replace a text, which method is called?

a) replaceText()

b) changeText()

c) editText()

d) replaceRange()

91) Each _____ object has a layout manager associated with it.

a) Applet

b) Frame

c) Panel

d) **Container**

92) A layout manager is an instance of any class that implements the _____ interface.

a) **LayoutManager**

b) ActionListener

c) ItemListener

d) MouseListener

93) The layout manager is set by which method.

a) setText()

b) getText()

c) **setLayout( )**

d) setVisible()

94) Which method is used to determine position and shape of a component manually

a) setBounds()

b) setPosition()

c) **Both a and b**

d) None

95) Which of the following LayouManager is/are consulted whenever the container needs to be resized

a) minimumLayoutSize( )

b) preferredLayoutSize( )

c) **Both**

d) None

96) _____ and _____ are contained by each Layout manager

a) getPrefferedSize(),getMinimumSize( )

b) getPrefferedsize(),getMinimumsize( )

c) getprefferedSize(),getminimumSize( )

d) None

97) Which of these is the default Layout Manager

a) FlowLayout()

b) BorderLayout()

c) GridLayout()

d) CardLayout()

98) Constructors of FlowLayout

a) FlowLayout( )

b) FlowLayout(int how)

c) FlowLayout(int how, int horz, int vert)

d) **All of the above**

99) In the constructor FlowLayout(int how, int horz, int vert) what is the value of how

a) FlowLayout.LEFT,FlowLayout.CENTER,FlowLayout.RIGHT

b) FlowLayout.TOP,FlowLayout.BOTTOM,FlowLayout.CENTE

c) FlowLayout.EAST,FlowLayout.WEST, FlowLayout.CENTER

d) None

100) Constructors of BorderLayout

a) BorderLayout( ),

b) BorderLayout(int horz, int vert)

c) BorderLayout(int how, int horz, int vert)

d) Both a and b

101) Constants of BorderLayout

a) BorderLayout.CENTER,BorderLayout.SOUTH,BorderLayout.EAST, BorderLayout.WEST, BorderLayout.NORTH

b) BorderLayout.CENTER, BorderLayout.TOP, BorderLayout.BOTTOM, BorderLayout.LEFT, BorderLayout.RIGHT

c) BorderLayout.CENTER, BorderLayout.LEFT, BorderLayout.RIGHT,

d) None of the above

102) GridLayout lays out components in a _____ grid.

a) One-dimensional

b) Three-dimensional

c) Multi-dimensional

d) **Two-dimensional**

103) Construcors of GridLayout

a) GridLayout( )

b) GridLayout(int numRow,numColumns)

c) GridLayout(int numRows, int numColumns, int horz, int vert)

d) **All of the Above**

104) The CardLayout class is _____ among the other layout managers in that it stores several different _____.

a) unique,classes

b) **unique,layout**

c) antique,methods

d) special,packages

105) Constructors of CardLayout are:

a) CardLayout( ), CardLayout(int horz, int vert)

b) CardLayout( ),CardLayout(inthorz,intvert), CardLayout(int numRows, int numColumns, int horz, int vert)

c)Both

d)None

106) The cards are held in an object of type _____

a) Frame

b) Applet

c) **Panel**

d) Container

107) Methods of CardLayout void

first(Container deck) void

last(Container deck) void

next(Container deck) void

previous(Container deck)

void show(Container deck, String cardName)

a)All

b)only first 2

c)Both

d)None

108) Dialog box maybe _____ or

_____

a) Fixed,Variable

b) static,dynamic

c) manual,automated

d) **modal,modeless**

109) Which of these is true of modal dialog box

a) **You cannot access other parts of your progra**m until you have closed the dialog box.

b) Input focus can be directed to another window in your program.

c) Both a and b

d) None

110) Which of these is true of modeless dialog box

a) You cannot access other parts of your program until you have closed the dialog box.

b) **Input focus can be directe**d to another window in your program.

c) Both a and b

d) None

111) Constructors of dialog box

a) Dialog(Frame parentWindow, boolean mode), Dialog(Frame parentWindow, String title, boolean mode)

b) Dialog(Frame parentWindow, boolean mode) ,Dialog(Frame parentWindow, String title, boolean mode, int horz, int vert)

c) Dialog(Frame parentWindow, boolean mode), Dialog(Frame parentWindow, String title, boolean mode,int rows,int column)

d) Dialog(Frame parentWindow, boolean mode) ,Dialog(Frame parentWindow, String title)

112) To create a file dialog box, instantiate an _____ of type FileDialog.

a) Method

b) Class

c) **Object**

d) Package

113) Constructor of FileDialog

a) FileDialog(Frame parent, String boxName), FileDialog(Frame parent, String boxName, int how,int horz,int vert), FileDialog(Frame parent) b) FileDialog(Frame parent, String boxName),

c) Fi**leDialog(Frame parent, String boxName) ,FileDialog(Frame parent, String boxName, int how) FileDialog(Frame parent**)

d)FileDialog(Frame parent, String boxName),FileDialog(Frame parent, String boxName, int how)

114) For the file to be in reading mode which method is used

a) FileDialog.SAVE

b) FileDialog.WRITE

c) **FileDialog.LOAD**

d) FileDialog.READ

115) For the file to be in writing mode which method is used

a) **FileDialog.SAVE**

b) FileDialog.WRITE

c) FileDialog.LOAD

d) FileDialog.READ

116) Select the correct Menubar classes from the following options

a) MenuBar, Menu, MenuItem

b) menubar, menu, menuitem

c) Both

d) None of these

117) Which menu option of types will have a checkmark next to them when they are selected?

a) CheckboxMenuItem

b) CheckedItem

c) MenuItem

d) None of these

118) You can disable or enable a menu item by using the _____method.

a) setStatus()

b)**setEnabled( )**

c) setMenuStatus()

d)None of these

119) Which of these constructor throws HeadlessException?

a) CheckboxMenuItem()

b) CheckboxMenuItem(String itemName)

c) CheckboxMenuItem(String itemName, boolean on)

d) **All of these**

120) Which sets the command name of the action event that is fired by this menu item?

a) **setActionCommand()**

b) setMenuCommand()

c) Both

d) None of these

121) To check an item, pass ____ to _____.

a) **true, setState()**

b) check, setItemStatus()

c) check, setItemState()

d) None of these

122) Constuctors of checkbox are -

a) Checkbox( )

b) Checkbox(String str)

c) Checkbox(String str, boolean on, CheckboxGroup cbGroup)

d) **All of the above**

123) import
java.awt.*; import
java.applet.*; import
java.util.*;

```
/*
<applet code="BorderLayoutDemo" width=400 height=200>
</applet>
*/
public class BorderLayoutDemo extends Applet
{ public void init() {
add(new Button("north."),BorderLayout.NORTH);
add(new Button("south"),BorderLayout.SOUTH);
add(new Button("Right"), BorderLayout.EAST);
add(new Button("Left"), BorderLayout.WEST); String
msg = "this is in center"; add(new TextArea(msg),
BorderLayout.CENTER); }
}
```

a) SetLayout(new BorderLayout());
b) **setLayout(new BorderLayout());**
c) setLayout(new Borderlayout());
d) setLayout(new borderLayout());

124) What should be written in blank space.

```
import java.awt.*; import
java.awt.event.*; import
java.applet.*;
/*
<applet code="CBGroup" width=250 height=200>
</applet>
*/
public class CBGroup extends Applet
{
String msg = "";
Checkbox Win98, winNT; CheckboxGroup
cbg;
public void init()
{
cbg = new CheckboxGroup();
Win98 = new Checkbox("Windows 98/XP",      , true); winNT = new
Checkbox("Windows NT/2000",      , false);
add(Win98);
add(winNT);
```

```
Win98.addItemListener(this); winNT.addItemListener(this);
}
}
```

a) Win98
b) winNT
c)cbg
d)this

125) Find error in following code.

```
import java.awt.*; import
java.awt.event.*;
import java.applet.*;

public class ChoiceDemo extends Applet
{
Choice os; String
msg = ""; public
void init()
{
os = new Choice();

// add items to os list os.add("Windows
98/XP");
os.add("Windows NT/2000");

add(os);

}
```

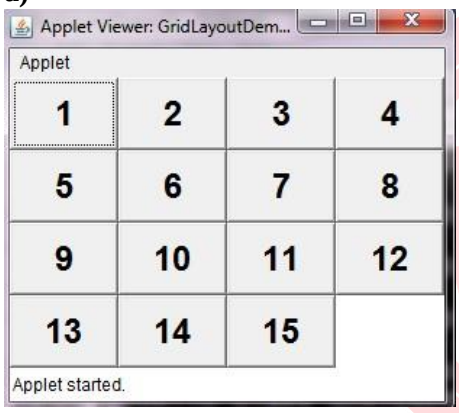
a)Listener missing
b)applet code is missing
c)package missing
d)All

126) **What will be the output for following code?**

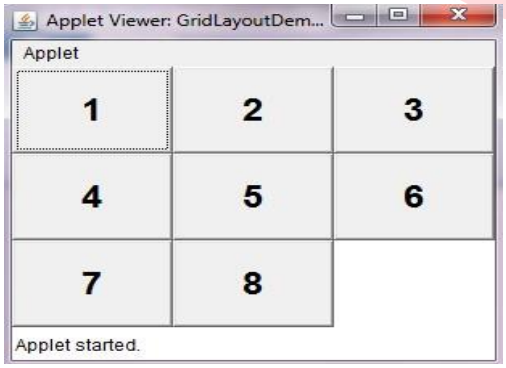
```
import java.awt.*; import java.applet.*;
/*
<applet code="GridLayoutDemo11" width=300 height=200>
</applet>
*/
```

```
public class GridLayoutDemo11 extends Applet {
static final int n = 4; public void init() {
setLayout(new GridLayout(n, n)); setFont(new
Font("SansSerif", Font.BOLD, 24));
for(int i = 0; i < n; i++) {
for(int j = 0; j < n; j++) {
int k = i * n + j; if(k > 0)
add(new Button("" + k));
}
}
}
}
```

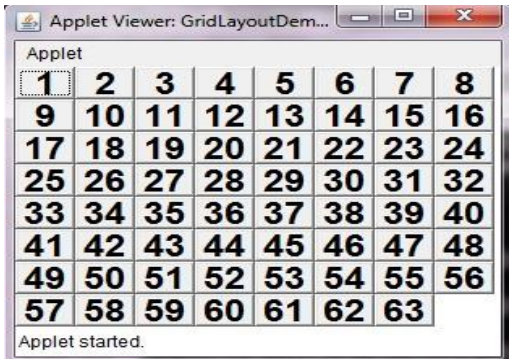
a)



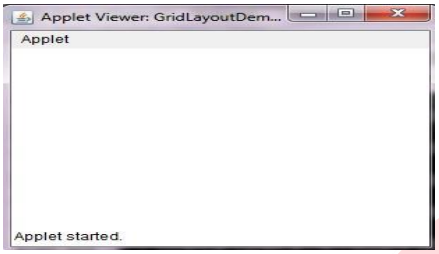
b)



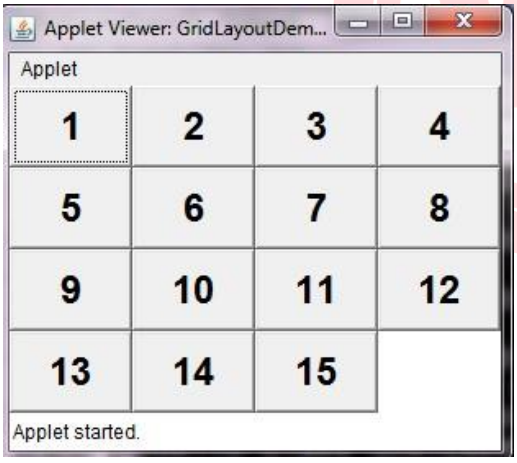
c)



d)



Answer: a)



127) Consider the following program. Find the error.

```
immport java.awt.*; import java.applet.*; import
java.awt.event.*;
/*<applet code=demo width=100 height=100>
</applet>  */

public class demo extends Applet
{
```

```
public void init()
{ firstlabel =new Label("Label 1");
secondlabel =new Label("Label 2");
b1=new Button("Enter");
add(l1); add(l2);
add(b1);

} }
```

a) Firstlabel object is not declared
b) Secondlabel object is not declared
c) b1 object is not declared
d) **All of above**

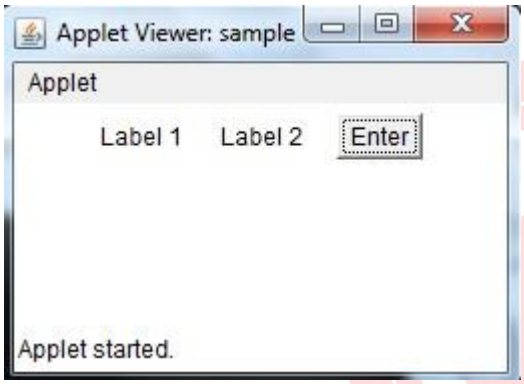
128) What will be the missing statement in java to get following output:


```
import java.awt.*; import
java.applet.*;
/*<applet code=fontc width=500 height=500>
</applet> */ public class fontc
extends Applet
{
public void init()
{
Font f=new Font("Times New Roman",Font.ITALIC,30)
setFont(f); }
```

```
public void paint(Graphics g)
{
g.setColor(Color.red);
g.drawString("SAGAR",10,50);
}
}
```

A. Missing {
B. Missing }
C. **Missing semicolon**
D. Missing ()

129) What is the code to get the following output:



a)
```
import java.awt.*;
import java.applet.*; import
java.awt.event.*;
/*<applet code=sample width=100 height=100>
</applet>
*/
public class sample extends Applet
{
Label l1,l2;
Button b1;
String msg="";
public void init()
{
l1=new Label("Label 1"); l2=new
Label("Label 2"); b1=new
Button("Enter");
add(l1); add(l2);
add(b1);
}
}
```

b) import java.awt.*;
import java.applet.*; import
java.awt.event.*;
/*<applet code=sample width=100 height=100>
</applet>
*/
public class sample extends Applet
{
Label l1;
Button b1;
String msg=""; public void
init() { l1=new
Label("Label 1"); b1=new
Button("Enter"); add(l1);

add(b1); }
}

c) import java.awt.*;
import java.applet.*; import
java.awt.event.*;
/*<applet code=sample width=100 height=100>
</applet>
*/
public class sample extends Applet
{
Label l1,l2;
Button b1;
String msg=""; public void
init() { l1=new
Label("Label 1"); l2=new
Label("Label 2");

add(l1);
add(l2); }
}

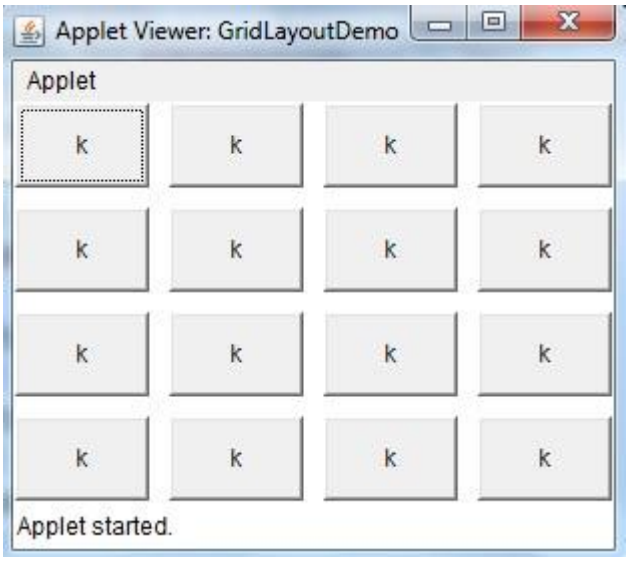
d) import java.awt.*;
import java.applet.*; import
java.awt.event.*;

```
/*<applet code=sample width=100 height=100>
</applet>
*/
public class sample extends Applet
{
Label l1,l2;
Button b1;
String msg=""; public void
init() { l1=new
Label("Label 1"); l2=new
Label("Label 2"); b1=new
Button("Enter"); add(l1);
add(l2);
add(b1);
}
}
```

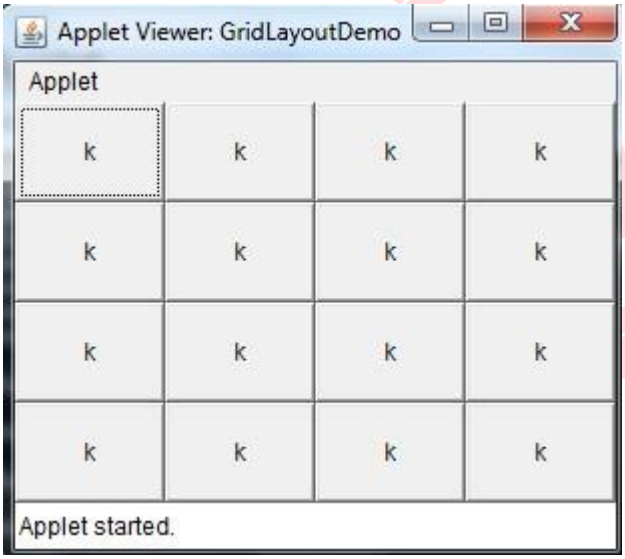
130) What is the output of the following code:

```
import java.awt.*; import
java.applet.*;
/*
<applet code="GridLayoutDemo" width=300 height=200></applet>
*/
public class GridLayoutDemo extends Applet
 {  int n = 4;
public void init()
{
setLayout(new GridLayout(n,n,10,10));

for(int i = 0; i <n; i++)
{
for(int j = 0; j <n; j++)
{
add(new Button("k"));
}
}
} }
```

a)



b)



c)none of the above
d)all of these

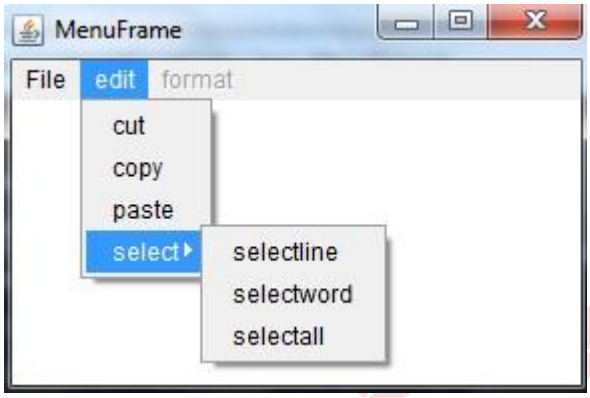
131) What will be the output of following code

```
import java.awt.*; import
java.awt.event.*; import
java.applet.*;
```

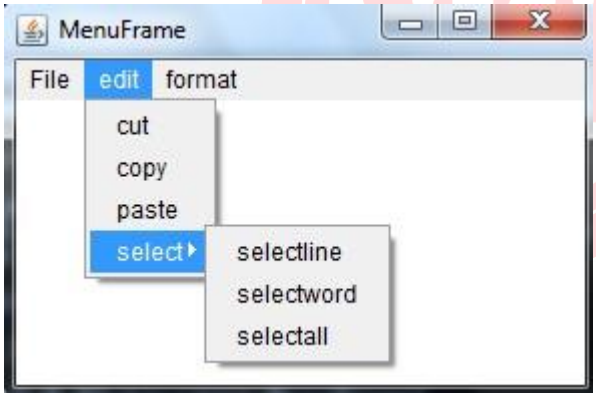
```
class MenuFrame1 extends Frame
{
String msg = "";
MenuBar mbar;
MenuItem copy,paste,selectline,selectword,selectall;
CheckboxMenuItem open,cut;
TextField t1; Menu
file,edit,select,format;
public MenuFrame1()
 {  mbar =new MenuBar();
setMenuBar(mbar); file =
new Menu("File");
 open = new CheckboxMenuItem("open");
 file.add(open); mbar.add(file); edit=
 new Menu("edit"); cut = new
 CheckboxMenuItem("cut"); copy = new
 MenuItem("copy");
paste = new MenuItem("paste");     edit.add(cut);
 edit.add(copy);  edit.add(paste);  select =new
 Menu("select");  selectline = new
 MenuItem("selectline");   selectword = new
 MenuItem("selectword");  selectall = new
 MenuItem("selectall");
 selectall.setEnabled(false);
 select.add(selectline);  select.add(selectword);
 select.add(selectall);  edit.add(select);
 mbar.add(edit);  format =new
 Menu("format");  format.setEnabled(false);
 mbar.add(format);
 addWindowListener(new MyWindowAdapter1());

 }
 public static void main(String[] args)
 {
 MenuFrame1 mf =new MenuFrame1();
 mf.setTitle("MenuFrame");
 mf.setSize(300,200); mf.setVisible(true);
 }

 class MyWindowAdapter1 extends WindowAdapter {
   public void windowClosing(WindowEvent we) {
```

```
    System.exit(0);
  }
}
}
```

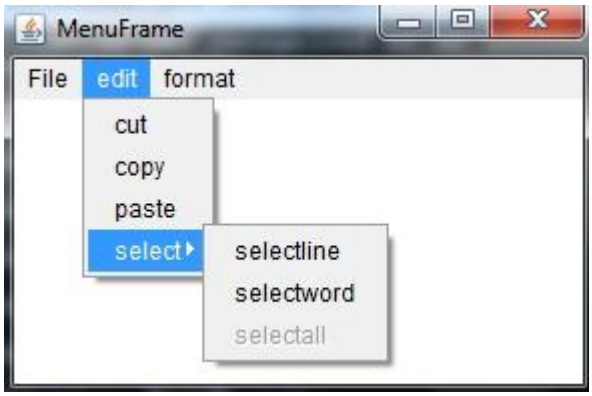
a)



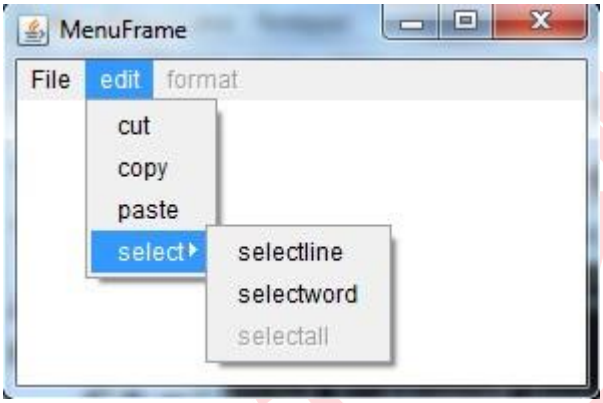
b)



c)



d)



132) Which constructor creates a TextArea with 10 rows and 20 columns?

a) **new TextArea(10, 20)**

b) new TextArea(20, 10)

c) new TextArea(new Rows(10), new columns(20))

d) new TextArea(200)

133) 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)

134) Which method will cause a Frame to be displayed?

a) show( )

b) setVisible( )

c) display( )

d) displayFrame( )

e) **both a and b**

135) The Choice component allows multiple selection.

a) True

b) **False**

136) The List component does not generate any events.

a) True

b) **False**

137) Which of the following components allow multiple selections?

a) Non-exclusive Checkboxes

b) Radio buttons

c) Choice

d) List

e) **Both a and d**

138) Which containers use a BorderLayout as their default layout?

a) Window

b) Frame

c) Dialog

d) **All of above**

139) Which containers use a FlowLayout as their default layout?

a) Panel

b) Applet

c) **both a and b**

d) only d

140) Which method returns the preferred size of a component?

a) **getPreferredSize( )**

b) getPreferred( )

c) getRequiredSize( )

d) getLayout( )

141) Which layout should you use to organize the components of a container in a tabular form?

a) CardLayout

b) BorederLayout

c) FlowLayout

d) **GridLayout**

142) What is the default layouts for a applet, a frame and a panel?

a)**Flow layout, Border layout, Flow layout**

b)Flow layout, Flow layout, Border layout

c)Border layout, Flow layout, Flow layout

d)Border layout,Border layout, Flow layout

143) An Applet has its Layout Manager set to the default of FlowLayout. What code would be the correct to change to another Layout Manager?

a)setLayoutManager(new GridLayout());

b)setLayout(new GridLayout(2,2));

c)setGridLayout(2,2,))

d)setBorderLayout();

144) Which is a dual state menu item?

a) CheckboxMenuItem

b)Menu

c)MenuItem

d) All of above

145) Which method can be used to enable/diable a checkbox menu item?

a)setState(boolean)

b) setstate(boolean)

c)setEnabled(boolean)

d)setenabled(boolean)

146) Which of the following may a menu contain?

a)A separator

b) A check box

c) A menu

d) A button

e)both a and c

Answer Key