Scheme – G

Sample Question Paper

Course Name : Computer Engineering Group

Course Code : CO/CD/CM/CWIF

Semester : Sixth

17625

Subject Title : Advanced Java Programming

Marks : 25

Q1. Which of the following methods can be used to remove java.awt. Component object from display? 1Mark

A. hide()
B. disappear()
C. remove()
D. delete()

Q2. What are controls or components? 1Mark

A. Controls or components allow users to interact with application
B. Controls or components do not allow users to interact with users
C. Controls or components allow users to interact with users
D. Controls or components allow application to interact with user

Q3. What are the subclasses of the Container class?

1M

A. Windows, Panel, ScrollPane
B. ScrollPane, Vector, String
C. Thread, Vector, String
D. Applet, InetAddress, Vector

Q4. Which object is needed to group Checkboxes to make them exclusive? 1Mark

A. CheckboxGroup
B. Checkbox
C. RadioButton
D. TextField

Q5. What is an event in delegation event model used by Java programming language? 1 Marks

a) An event is an object that describes a state change in a source.
b) An event is an object that describes a state change in processing.
c) An event is an object that describes any change by the user and system.

d) An event is a class used for defining object, to create events.

Q6. Which of these methods are used to register a mouse motion listener? 1Mark

a) addMouse()
b) addMouseListener()
c) addMouseMotionListner()
d) eventMouseMotionListener()

Q.7 Which of these methods can be used to determine the type of event? 1Mark

a) getID()
b) getSource()
c) getEvent()
d) getEventObject

Q8. Which components are needed to get above shown output 2 Marks

A. TextField, Label
B. List, Button
C. Choice, Button
D. Button, TextField

Q9. What components will be needed to get following output? 2 Marks

A. Label, TabbedPane, CheckBox
B. TabbedPane, List, Applet

C. Panel, TabbedPane, List
D. Applet, TabbedPane, Panel

Q10. Select the missing statement in given code **2 Marks**

```
// Demonstrate the mouse event handlers.
import java.awt.*;
import java.applet.*;
/*
<applet code="mouse" width=300 height=100>
</applet>
*/

public class  mouse extends Applet
implements MouseListener, MouseMotionListener
 {
String msg = "";
intmouseX = 0, mouseY = 0; // coordinates of mouse
public void init() {
}
// Handle mouse clicked.
public void mouseClicked(MouseEvent me)
 {

mouseX = 0;
mouseY = 10;
msg = "Mouse clicked.";
repaint();
}
// Handle mouse entered.
public void mouseEntered(MouseEvent me)
 {

mouseX = 0;
mouseY = 10;
msg = "Mouse entered.";
repaint();
}
// Handle mouse exited.
public void mouseExited(MouseEvent me)
 {

mouseX = 0;
mouseY = 10;
msg = "Mouse exited.";
repaint();
}
// Handle button pressed.

public void mousePressed(MouseEvent me)
 {
```

```
mouseX = me.getX();
mouseY = me.getY();
msg = "Down";
repaint();
}
// Handle button released.
public void mouseReleased(MouseEvent me)
 {

mouseX = me.getX();
mouseY = me.getY();
msg = "Up";
repaint();
}
// Handle mouse dragged.
public void mouseDragged(MouseEvent me)
 {

mouseX = me.getX();
mouseY = me.getY();
msg = "*";
showStatus("Dragging mouse at " + mouseX + ", " + mouseY);
repaint();
}
// Handle mouse moved.
public void mouseMoved(MouseEvent me)
{
showStatus("Moving mouse at " + me.getX() + ", " + me.getY());
}
// Display msg in applet window at current X,Y location.
public void paint(Graphics g)
 {
g.drawString(msg, mouseX, mouseY);
}
}
```

a)addMouseListener(this);

b)addMouseListener(this);
addMouseMotionListener(this);
import java.awt.event.*;

c) addMouseListener();
d) all of above

Q11. Which of these events will be notified if scroll bar is manipulated? 2 Marks

a) ActionEvent

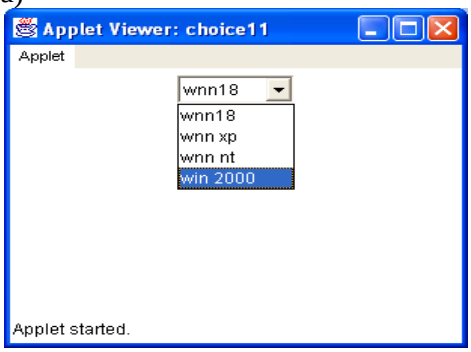
b) ComponentEvent

c) AdjustmentEvent
d) WindowEvent

Q12. Select output for given code **2 Marks**

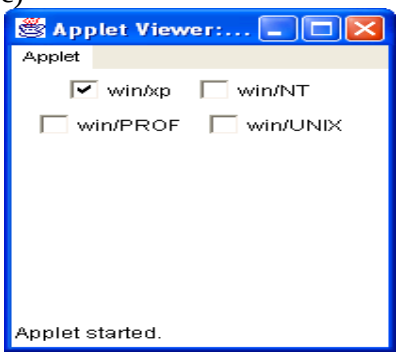
```
importjava.awt.event.*;
import java.awt.*;
importjava.applet.*;
public class checkbackg extends Applet implements ItemListener
{
Checkbox m1,m2,m3;
public void init()
{
m1=new Checkbox("A");
m2=new Checkbox("B");
m3=new Checkbox("C");
add(m1);
add(m2);
add(m3);
m1.addItemListener(this);
m2.addItemListener(this);
}
public void itemStateChanged(ItemEventie)
{
if(ie.getSource()==m1)
setBackground(Color.red);
if(ie.getSource()==m2)
setBackground(Color.green);
}
}
/*<applet code=checkbackg.class height=150 width=150>

</applet>*/
```

a)

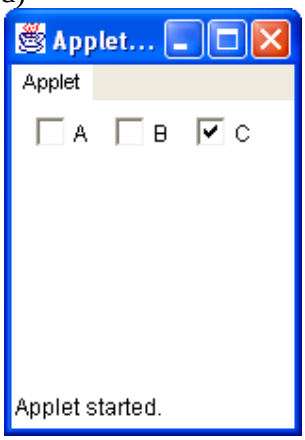


b)

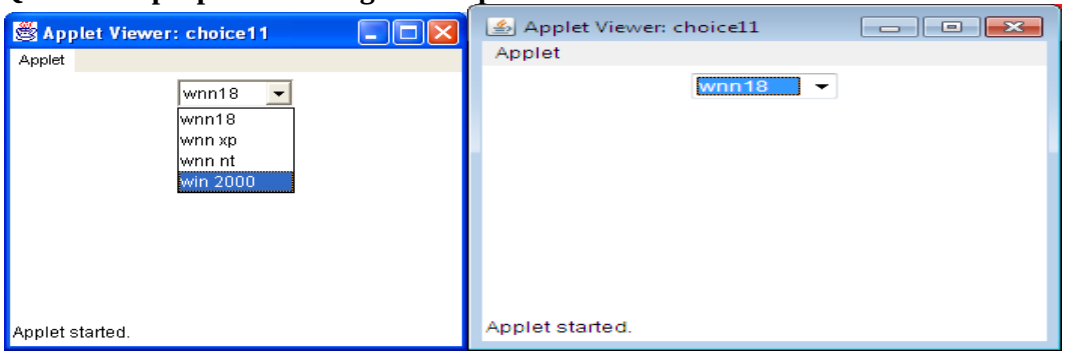
c)



d)



Q13. Select proper code for given output **2 Marks**



a) import java.awt.*;

```
import java.applet.*;
public class choice11 extends Applet
{
public void init()
{
Choice  os=new Choice();
os.add("wnn18");
os.add("wnnxp");
os.add("wnnnt");
os.add("win 2000");
add(os);
}
}
/*<applet code="choice11" height=200 width=300>
</applet>*/
```

b)

```
import java.awt.*;
import java.applet.*;
public class choice11 extends Applet
{
public void init()
{
Choice  os=new Choice();
os.add("wnn18");
os.add("wnnxp");
add(os);
}
}
/*<applet code="choice11" height=200 width=300>
</applet>*/
```

c)

```
import java.awt.*;
import java.applet.*;
public class choice11 extends Applet
{


public void init()
{
Choice  os=new Choice();
os.add("wnn18");
os.add("wnnxp");
os.add("wnnnt");
os.add("win 2000");
add(os);
```

```
}
}
```

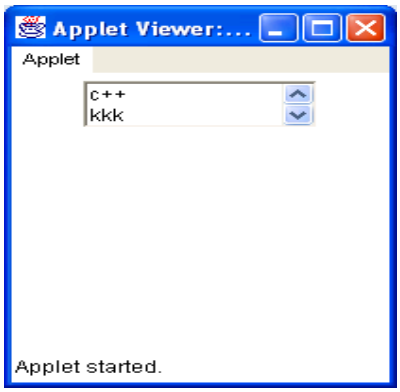
d)

```
    import java.awt.*;
import java.applet.*;
public class choice11 extends Applet
{


public void init()
{
Choice  os=new Choice();
os.add("wnn18");
os.add("wnnxp");
os.add("wnnnt");
os.add("win 2000");
}
}
/*<applet code="choice11" height=200 width=300>
</applet>*/
```

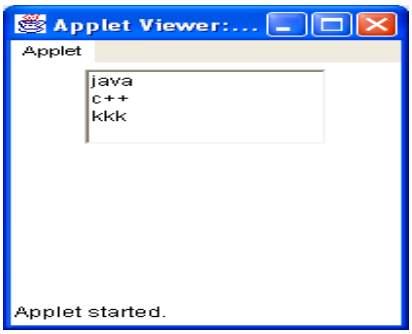
Q14. select the proper output for following code **2 Marks**

```
import java.awt.*;
import java.applet.*;
public class list2 extends Applet
{
public void init()
{
List l= new List(2,true);
l.add("java");
l.add("c++");
l.add("kkk");
add(l);
}
}
/*<applet code=list2.class height=200 width=200>
</applet>*/
```

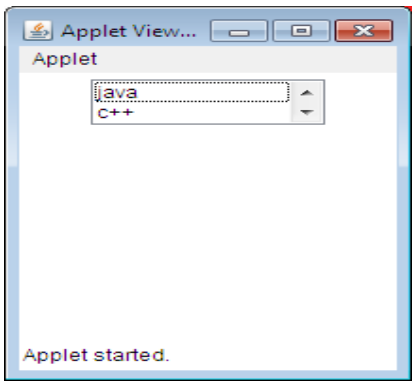
a)


Applet Viewer:...
Applet
c++
kkk
Applet started.

b)


Applet Viewer:...
Applet
java
c++
kkk
Applet started.

c)


Applet View...
Applet
java
c++
Applet started.

d)


Applet Viewer:...
Applet
java
Applet started.

Q15. Debug the following program **2 Marks**

```
import java.awt.*;
import javax.swing.*;
/*
<applet code="JTableDemo" width=400 height=200>
</applet>
*/
public class JTableDemo extends JApplet
 {
public void init() {
Container contentPane = getContentPane();
contentPane.setLayout(new BorderLayout());
final String[] colHeads = { "emp_Name", "emp_id", "emp_salary" };
final Object[][] data = {
{ "Ramesh", "111", "50000" },
{ "Sagar", "222", "52000" },
{ "Virag", "333", "40000" },
{ "Amit", "444", "62000" },
{ "Anil", "555", "60000" },
};
JTable table = new JTable(data);
int v = ScrollPaneConstants.VERTICAL_SCROLLBAR_AS_NEEDED;
int h = ScrollPaneConstants.HORIZONTAL_SCROLLBAR_AS_NEEDED;
JScrollPane jsp = new JScrollPane(table, v, h);
contentPane.add(jsp, 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 the above**

Q16. What will be the output of the following program? **2 Marks**

```
import java.awt.*;
import java.applet.*;
public class LayoutDemo5 extends Applet
{
public void init()
{
int i,j,k,n=4;

setLayout(new BorderLayout());
Panel p1=new Panel();
Panel p2=new Panel();
```

```
p1.setLayout(new FlowLayout());
p1.add(new TextField(20));
p1.add(new TextField(20));

p2.setLayout(new GridLayout(5,3));
p2.add(new Button("OK"));
p2.add(new Button("Submit"));

add(p1,BorderLayout.EAST);
add(p2,BorderLayout.WEST);
}
}
/*<applet code=LayoutDemo5.class width=300 height=400>
</applet>*/
```

A. The output is obtained in Frame with two layouts: Frame layout and Flow Layout.
B. The output is obtained in Applet with two layouts: Frame layout and Flow Layout.
C. The output is obtained in Applet with two layouts: Frame layout and Border Layout.
D. The output is obtained in Applet with two layouts: Border layout and Flow Layout.

Answer key

1. Answer: C
2. Answer: A
3. Answer : A
4. Answer: A
5. Answer: A
6. Answer: C
7. Answer: A
8. Answer: B
9. Answer: C
10. Answer: B
11. Answer: C
12. Answer: B
13. Answer: A
14. Answer: C
15. Answer :A
16. Answer: D