

Scheme – G

Sample Question Paper

Course Name : Computer Engineering Group

Course Code : CO/CD/CM/CWIF

Semester : Sixth

Subject Title : Advanced Java Programming

Marks : 25

17625

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.

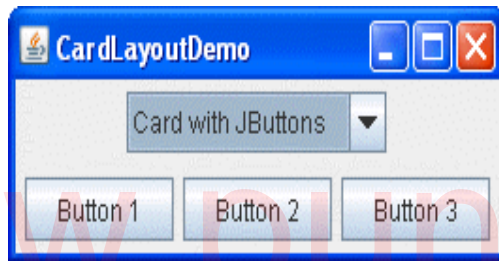
d) An event is a class used for defining object, to create events.

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

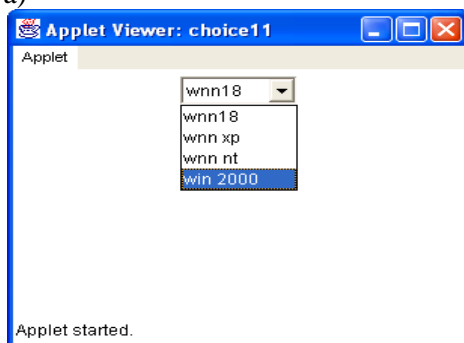
2 Marks

```
import java.awt.event.*;
import java.awt.*;
import java.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(ItemEvent ie)
{
if(ie.getSource()==m1)
setBackground(Color.red);
if(ie.getSource()==m2)
setBackground(Color.green);
}
}
/*<applet code=checkbackg.class height=150 width=150>

</applet>*/
```

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a)



b)



c)

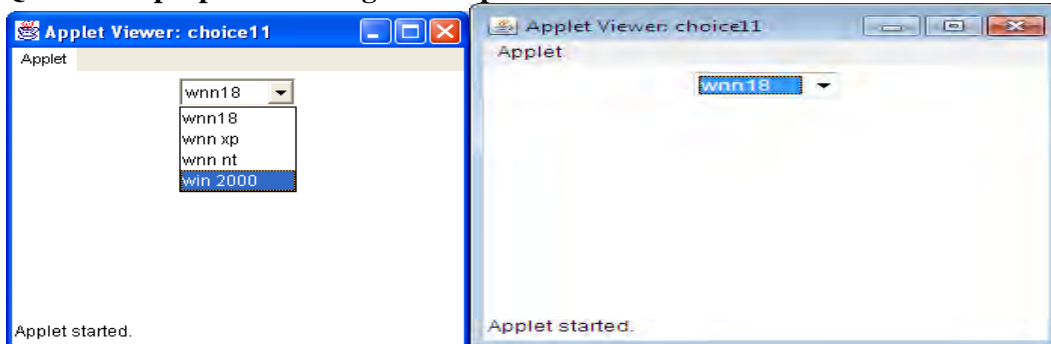


d)



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>*/
```

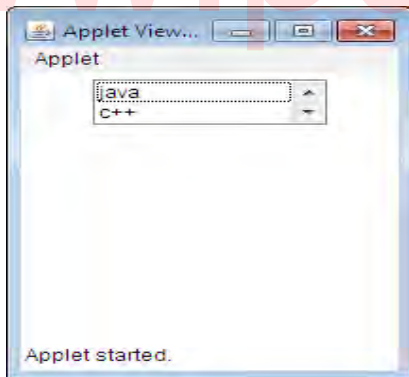
a)



b)



c)



d)



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