**A1.**

**a)-** invalid

**b)-** valid

**c)-** valid

d)- valid

**e)-** invalid

**f)-** invalid

**A2.**

**Do it yourself.**

**A3.** all in note and book

e) Listener-It is an object which is registered as a listener for the events (e.g. action events) of the sources(e.g. button).

Every time the event that is registered with a listener is fired, some defined method of the listener’s object will be invoked.

https://docs.oracle.com/javase/tutorial/uiswing/events/intro.html

**A4.**

a)- \n

b)- \007

**A5.-** init(),start(),stop(),destroy()

**A6.**

**a)-** true

b)- false

c)- false

d)- false

**A7.**

a)- concat()

b)- equals()

c)- length()

d)- Float.parseFloat()

**B1.**

**a)**

class Decrement

{

public static void main(String[] args)

{

int i=50;

while(i>=30)

{

System.out.println(i);

i=i-5;

}

}

}

**b)**

**-** Terminates the switch statement.

**c)**

**-**

import java.applet.\*;

import java.awt.\*;

public class DrawRectangle extends Applet

{

public void paint(Graphics g)

{

g.drawRect(85,50,45,56);

}

}

**d)**

**i)-** float d;

ii)- public static float checkExam(int w,float y)

iii)- Button button=new Button(“Exit”);

iv)- char[] status=new char[45];

v)- w=w+50;

**B2.­**

**a)**

**i)-**

**Error:** The value B is enclosed with double quote.

**Correction:** Enclose value B with a single quote.

**ii)-**

**Error:** There is a semicolon after while condition.

**Correction:** Remove the semicolon after the while condition.

**b)**

**-** The *length* attribute is used to get the total number of elements in an array.

Show a loop example………….!

**c)-**

**Diagram:try it yourself or there is an example in December 2010.**

**d)-**

**Try it yourself**

**B3.**

**a)**

**Try it yourself**

**b)**

**-** Try yourself

**c)**

**-**

i)- final keyword specifies that the variable is a constant i.e. values cannot be changed during the execution of the program.

ii)- final int noOfCountries=216;

**d)-**

**i)**

**-** public static int sum\_numbers(int x,int y)

{

int total;

total=x+y;

return total;

}

**ii)-**

public static void sum\_numbers()

**{**

int a=5+10;

System.out.println(a);

**}**

**e)**

**-** Search in NoteBook & Internet