CPG\_August 2016

A1.

- boolean

A2.

- java filename

A3.

- init()

A4.

- Encapsulation is the concept that binds together the data and functions that manipulate the data and that keeps both safe form outside interference or misuse.

//NOTE/BOOK

A5.

(a) char

(b) length

(c) procedures or methods [anyone]

(d) Button

(e) double

A6.

- import java.io.\*;

public class Determine

{

public static void main(String args[])throws Exception

{

BufferedReader input=new BufferedReader(new InputStreamReader(System.in));

System.out.print("Please enter a number :");

int num=Integer.parseInt(input.readLine());

if(num>0)

System.out.println(num+" is a positive category.");

else if(num<0)

System.out.println(num+" is a negative category.");

else

System.out.println(num+" is zero.");

}

}

A7.

- final double MAX=2.67;

B1.

(a)

(i) String[] status=new String[100];

(ii)

-

for(int i=0;i<status.length;i++)

{

status[i]= “available”;

}

(b)

(i) invalid

(ii) valid

(iii)valid

(iv) invalid

(v) invalid

(c)

- if(course=='S')

System.out.println("special course");

else if(course=='E')

System.out.println("express course");

else if(course=='N')

System.out.println("normal course");

else

System.out.println("no such course");

B2.

(a)

(i) boolean send;

(ii) w.equals(g);

(iii)float data=4.5f;

(iv)System.out.println("java exam");

(v) public static int digest(int w)

(b)

- Binary search

**Note/Book**

(c)

- public class multiply

{

public static void main(String args[])throws Exception

{

int num;

int i=5;

while(i<=15)

{

num=i\*5;

System.out.println(i+" \*5 is "+num);

i=i+5;

}

}

}

B3.

(a)

- Five type of containers found inside Java are:

1. Window

2. Panel

3. Dialog

4. Frame

5. FileDialog

(b)

- import java.applet.\*;

import java.awt.\*;

public class drawing extends Applet

{

public void paint(Graphics g)

{

g.drawOval(200,300,250,350);

g.setColor(Color.YELLOW);

g.fillOval(200,300,250,350);

}

}

(c)

- /\*

<applet code="drawing.class" width=400 height=400></applet>

\*/

(d)

- Two ways to activate java applet program are:

1. applet viewer

2. browser