**A1.**

**a)-** float c,weight;

**b)-**

Label lbl=new Label(“Enter a mark”);

add(lbl);

**c)-**

if(price>5000)

{

System.out.println(“expensive”);

}

**d)**

**-**

public static char checkEmail(String str)

**A2.**

**a)-** logical

**b)-** selection

**c)-** return

**d)-** comment

**e)-** add()

f)- object

g)- drawOval()

h)- string

i)- length

j)- non-printing

**A3.**

**Output:**

3 9 15 21 27

**A4.**

a)- double

b)- int

c)- char

d)- String

e)- Date

**A5.**

switch(code)

{

case 'P':

price=20;

break;

case'N':

case'M':

price=40;

break;

default:

price=-1;

}

**B1.**

**a)**

**i)-**

x.equals(y)

**ii)-**

b.concat(“welcome”)

**b)**

**-**

import java.io.\*;

class SearchBook

{

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

{

BufferedReader input=new BufferedReader(new

InputStreamReader(System.in));

String[] book\_list={"JAVA PROGRAMMING","YOU CAN WIN",

"HOW TO WIN FRIENDS","C# FUNDAMENTALS","COMPUTER INFORMATION AND PROCESSING",

"HOW TO EXERCISE"};

String search;

System.out.print("Enter a book title to search:");

search=input.readLine();

boolean found=false;

for(int i=0;i<book\_list.length;i++)

{

if(search.toUpperCase().equals(book\_list[i]))

{

found=true;

break;

}

}

if(found==true)

{

System.out.println("Book title exists.");

}

else

{

System.out.println("No such Book title.");

}

}

}

**c)**

**-**

Page 8-10 or in note

**d)-**

Page 8-2 or in note

**B2.**

**a)**

class PrintIntegers

{

public static void main(String[] args)

{

int i=50;

do

{

System.out.println(i);

i=i+4;

}while(i<=200);

}

}

**b)**

**-**

**i)-**

3

**ii)-**

-4

**iii)**

8

**iv)-**

18

**v)-**

2.1

vi)-

9

**c)**

**-**

import java.io.\*;

class Discount

{

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

{

BufferedReader input=new BufferedReader(new

InputStreamReader(System.in));

double amount;

System.out.print("Enter purchase amount: ");

amount=Double.parseDouble(input.readLine());

if(amount>=2300.5 && amount<=5200.3)

{

System.out.println("Discount given is 10%");

}

else

{

System.out.println("No discount will be given.");

}

}

}

**B3.**

**a)**

**-** destroy()

**b)**

**-**

**i)**

* GridLayout

**ii)**

* FlowLayout and BorderLayout

**c)**

- Any 3 of the following:

Window, Frame, Panel, ScrollPane, Dialog, FileDialog

**d)**

**- i)**

**-** Button log=new Button(“check in”);

ii)

* TextField id=new TextField(20);

**e)**

**-**

import java.applet.\*;

import java.awt.\*;

public class DrawRectangle extends Applet

{

public void paint(Graphics g)

{

g.drawRect(45,30,300,145);

setBackground(Color.blue);

g.setColor(Color.yellow);

g.fillRect(45,30,300,145);

}

}

**f)-**

<html>

<head>

<title>Rectangle</title>

</head>

<body>

<applet code= “DrawRectangle.class” width=500 height=500 >

</applet>

</body>

</html>

g)

-

getImage() method: to get images.

drawImage() method: to display images on the screen.