Q1:

Choose the correct answer (Choose all that apply):

1. Which of these C statements initializing variables?

a. num==2;

d. int num;

e. num < 2;

d. int num=2;

e. Both A and D

2. Considering the following code fragment:

int x 2 , y = 4, z = 6;

z+=x\*x-2\*x\*y+y-10;

Console.WriteLine(z);

The output Of the printf() function will be:

a. 76

b, 12

c. zero

d. -6

e. 6

3.considering the following struct

struct Employee

{

int ID;

string Name;

float Salary;

public Employee()

{

ID=10;

Name=”Aly”;  
Salary=900;  
}  
}

public static void Main()  
{

Employee e=new Employee();  
Console.WriteLine(e.ID);  
}

The output would be  
a. 0

b. Compile Error with one Error

c. 10

d. Compile Error With 2 Error

4. What is the output for this code

using System;

public class Program

{

public static void Main()

{

float x;

x=l;

switch(x)

{

case I:

Console. WriteLine("the value of the variable is I”);

case 2:

Console. WriteLine("the value of the variable is 2");

break;

}

}

}

a. the value of the variable is I

b. the value of the variable is I & the value of the variable is 2

c. Compile Error

5.int ctr=0;

int[,]arr=new int[2,3];

for (int i=0; i<3; i++)  
{

for (int H); j<2; j++)

{

For (int j=0;j<2;j++)  
{

arr(j,i]=ctr;  
ctr++;  
}  
}

Console. WriteLine(arr[ I ,2]);

What is the Output of the sample code above?

1. 1
2. 2
3. 3
4. 4
5. 5

6. int x = 0;

for (x=l ; x<4; x++);

Console.WriteLine(x);

What will be printed when the sample code above is executed?

1. x=0
2. x=1
3. x=3
4. x=4
5. x=5

7. int x, counter;

X=3;

counter = 0;

while ((x-1))

{

++counter;

--x;

}

Console. WriteLine(x);

Referring to the sample code above, what is the output.

a) Complier Error

b) Counter=I

c) Counter=2

d) Counter=3

e) Counter=4

8. public static void Main()

{

int []arr=new Int[]{1,5,7};

method 1( arr);

Console.WriteLine(arr[0]);  
}

public static void method 1( into []x)  
{

x=new int[]{3,4,5};  
}

Referring to the sample code above, what is the output.

1. Complier Error
2. 1
3. 3
4. 5

9. int x=3;

If(x==2);  
x=0;  
if(x==3)  
x++;

else

x+=2;

What value will x contain when the sample code above is executed?

1. 1
2. 2
3. 3
4. 4
5. 5
6. None of the above "compile error”

10.

int z, x=5,y=-10,a=4,b=2;  
z=x++ - --y \*b/a;

What is the value of z in the sample code above contain?

1. 5
2. 6
3. 10
4. 11
5. 12

Question #2:

Draw the figure below using \* character given that the width =80, height =20. and the draw is

equally for each line i.e. For each line height=width =20