نماذج الاختبارات الشهرية



COLLEGE OF COMPUTERS & INFORMATION TECHNOLOGY FINAL EXAMINATION

Academic year: 2021-2022 Day and Date: 27/2/2022

Examiner: Mrs. Al-Rashedi, Qamar Taher

Time allowed one hours

constructor.

c) Constructors return any value.

Student Name:

Question One (10 points).

Semester: First
Level: level Second
Department: IT
Subject: OOP

4412				Service Printers and the service and the servi
1)	Which feature of	OOPS derives the clas	s from	m another class?
	a) Data hiding		b)	Encapsulation
	c) Inheritance		d)	Polymorphism
2)	In an inheritance, the derived class m a) 1,2	chain which of the f nembers (1-static, 2-p	ollow rotec b)	ring members of base class are accessible to eted, 3-private, 4- public, 5-internal) 1,2,5
	c) 1,3,4		d)	2,4,5
3)	If base class consist two static integers object?	t of two private integrand one private integ	ers, or	ne static integer and derived class consist of hat would be the size of derived class
	a) size of object d	epends on sizes of its	b)	size of object is calculated using sizeof() method
	c) Objects in the	CONTROL OF CASE OF CAS	d)	none of the mentioned
4)	Which among the f	oilowing is not a nece	ssary	condition for constructors?
		be same as that of	b)	
	c) It must contain	a definition body	d)	It can contains arguments
	What happens if no	static members are	used	in static member function?
	a) Executes if that not used		b)	Runtime error
	c) Executes fine		d)	Compile time error
	ion two (10 points):	Dalat out the correct	etate	ment
	a) Inheritance uses functionality of	the existing	b)	inheritance overrides the existing functionality of base class
•	functionality in		d)	All of the mentioned
) Static functions i		b)	this reference is passed to static functions.
c) Static functions of static data.		d)	None of these
) If we provide a or constructor then provides a zero-a	the compiler still	b)	If we do not provide a constructor, then the compiler provides a zero-argument constructor.

Constructors cannot be overloaded

Static methods are outside the class Static methods can access static data as b) well as instance data Static methods are invoked using Static methods are invoked using class d) objects of a class. Class 1 Object 1 = new Class 1; 10) a) Class_1 Object_1 = new Class_1(); b) Class 1 Object_1 new = Class_1(); c) Object 1 = new Class 1(); d) Question three (10 points): class A

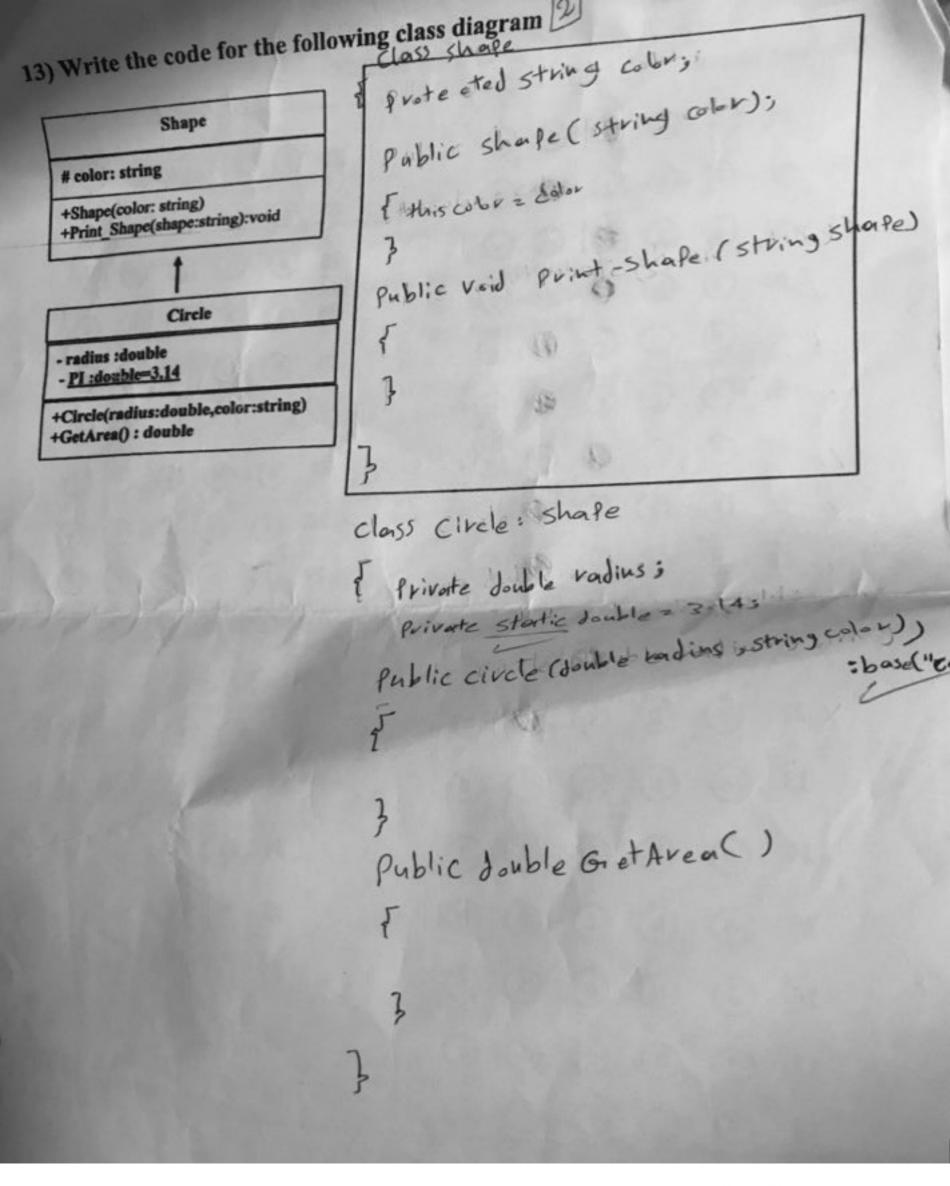
11) What will be the output of the following C# code?

- a) 12
- b) 10
- c) 13
- d) 21

```
public int i;
  protected int j;
class B : A
  public int j;
  public void display()
     base.j = 3;
     Console.WriteLine(i + " " + j);
class Program
  static void Main(string[] args)
    B obj = new B();
    obj.i = 1:
    obj.j = 2;
    obj.display():
```

- 12) Which is most appropriate comment on following program?
- Code runs successfully prints nothing a)
- b) Compile Time error
- Code runs successfully prints ClassA Display c)
- d) None of the mentioned

```
class ClassA
{ public int x = 100;
 public void Display1()
 { Console.WriteLine("ClassA Display"); }
class ClassB : ClassB A
{ public void Display2()
 { Console.WriteLine("ClassB Display"); }
class Program
  void Main(string() args)
{ ClassA a = new ClassA();
  a.Display2
```



Which is not feature of OOP i	n general definitions?
-------------------------------	------------------------

Code reusability a)

b) Reduce complexity

Efficient Code c)

- Duplicate/Redundant data d)
- Which feature of OOPS described the reusability of code
 - Abstraction

Polymorphism b)

Inheritance c)

- Encapsulation d)
- 3) A single program of OOPS contains classes?
 - Any number

b) Only 1

c) Only 100

- Only 999 d)
- If class C inherits class B. And B has inherited class A. Then while creating the object of class 4) C, what will be the sequence of constructors getting called?

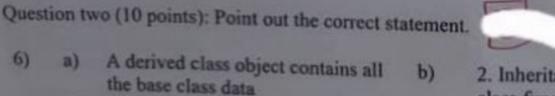
d)

- Constructor of A then B, finally C
- b) Constructor of C then B, finally of A
- Constructor of C then A, finally B c)
- Constructor of A then C, finally of B d)
- What happens if non-static members are used in static member function? 5)
 - Executes fine

b) Runtime error

Compile time error c)

Executes if that member function is not use d)



- 2. Inheritance cannot suppress أخنى the base class functionality.
- the ترسع Inheritance cannot extend base class functionality.
- All of the mentioned
- Encapsulation is the mechanism that 7) keeps data safe from misuse
- b) Encapsulation is implemented by using access modifiers
- Encapsulation = Information Hiding (2)
- d) All of the mentioned
- Class name Obj1 = new Obj1(); 8) a) Obj1 = new Class name; C)
- b) Class name Obj1 = new Class name(); d) Class name Obj1 = Class name;
- 9) Destructors have a return value A class can have more than one c) destructor
- b) Destructor can be overloaded.
- 10) Static methods are invoked using objects of a class.
- d) Destructors are not called directly in the source code
- Static methods are outside the class 6) scope
- b) Static methods can access static data as well as instance data
- Static methods are invoked using class



COLLEGE OF COMPUTERS & INFORMATION TECHNOLOGY FINAL EXAMINATION



Academic year: 2021-2022 Day and Date: 3/2/2022

Examiner: Mrs. Al-Rashedi, Qamar Taher

Time allowed one hours

Student Name:

B

Semester: First Level: level Second Department: IT Subject: OOP

Que	stion (One (16 points): Choose the correct s	MAYE	<u> </u>		
1)	Wh	ich is not feature of OOP in general de	finitio	ns?		
"	a)	Code reusability	b)	Reduce complexity		
	c)	Efficient Code	d)	Duplicate/Redundant data		
2)	Wh	ich feature of OOPS described the reus	ability	of code		
-,	a)	Abstruction	b)	Polymorphism		
	e)	Inheritance	d)	Encapsulation		
3)	Wh	What is the implicit return type of constructor?				
-,	a)	A class object in which it is defined	b)	No return type		
	0)	void	d)	None of the mentioned		
4)	Wh	Which of the following functions can be inherited from the base class?				
70	a)	constructor	b)	Static		
	c)	Destructor	d)	None of the mentioned		
5)	Whi	What happens if static members are used in the instance member function?				
7.	a).	Executes fine	b)	Runtime error		
	e)	Compile time error	d)	Executes if that member function is not use		
Que	stion.t	wo (10 points): Point out the correct sta	stemer	Ma.		
6)	a)	A derived class object contains all	b)	2. Inheritance cannot suppress ثنني the base		
-	-	the base class data		class functionality.		
	c)	Inheritance cannot extended the base class functionality.	d)	All of the mentioned		
7)	a)	Encapsulation is the mechanism that keeps data safe from misuse	b)	Encapsulation is implemented by using access modifiers		
	c)	Encapsulation = Information Hiding	d)	All of the mentioned		
8)	a)	Object Oriented Programming paradigm stresses on dividing the logic into smaller parts and writing procedures for each part.	b)	Procedural Programming paradigm is different than structured programming paradigm		
	c)	Object Oriented Programming paradigm gives equal importance to data and the procedures that work on the data	d)	Classes and objects are corner stones of structured programming paradigm.		
9)	a) c)	Destructors have a return value A class can have more than one	b) d)	Destructor can be overloaded. Destructors are not called directly in the		

- a) Static methods are invoked using objects of a class.
 - Static methods are outside the class scope

b):

d)

- Static methods can access static data as well as instance data
- Static methods are invoked using class

Question three (10 points):

11) What will be the output of the following C# code?

- a) 102 510
- b) 102 102
- c) 510 510
- d) 510 102

```
class Sample
   1
        int x, y;
        public void SetDuta(int x, int y)
           this.x = x;
           this.y - y:
     public void Display()
        Console.Writeline("{0} {1}",x,y);
   class Program
       static void Main(string[] args)
           Sample s1 = new Sample();
           s1.5etData(10, 2);
           Sample s2 = new Sample();
           s2.SetData(5, 10);
           s2 = s1;
            s1.Display();
            s2.Display();
           Console.ReadKey();
```

- 12) Which is most appropriate comment on following program?
- a) The code will not compile since we cannot explicitly use this.
- Using this in this program is not necessary to properly set the values in the object.
- c) The call to SetDate() is wrong since we have not explicitly passed the this reference to it
- d) None of the mentioned

```
class Sample
{
   int i, j;
   public void SetData(int ii, int jj)
   {
      this.i = ii;
      this.j = jj;
   }
} class Program
{
   static void Main(string() args)
   {
      Sample s1 = new Sample();
      s1.SetData(10, 2);
      Sample s2 = new Sample();
      s2.SetData(5, 10);
      Console.ReadKey();
   }
}
```



HADHRAMAUT UNIVERSITY COLLEGE OF COMPUTERS & INFORMATION TECHNOLOGY FINAL EXAMINATION

A



Academic year: 2021-2022 Day and Date: Sunday 3/3/2022

Examiner: Mrs. Al-Rashedi, Qamar Taher

Time allowed: one hours

Student Name:

Level: level Second Department: IT

Subject: OOP

Semester: First

Ouestion One (10 points): Choose the correct answer,

- How can the concept of encapsulation be achieved in the program?
 - a) By using the concept of Abstraction
 - c) By using the Access specifiers
- b) By using only private members
- By using the concept of Inheritance
- What does the access modifier do in C#
 - a) To maintain the syntax
 - c) To access the variables defined inside the class
- To define a variable inside the class b)
- To control the visibility of class members
- Total types of constructors in c# are?
 - a) 1
 - c) 2

- b) 3
- d) 4
- When is the object created with a new keyword?
 - a) At run time
 - c) At compile time

- Depends on the code
- None of the mentioned
- What is the implicit return type of constructor?
 - a) No return type
 - c) void

- A class object in which it is defined
- None of the mentioned

Question two (10 points): Point out the wrong statement

- a) In inheritance chain, object construction begins from base class towards derived class
 - c) A derived class may not be able to access all the base class data.
- Inheritance cannot extend base class b) functionality
- All of the mentioned d)
- a) Static functions can access only static
 - c) Static functions cannot call instance functions.
- a) If we provide a one-argument constructor then the compiler still
 - c) Constructors can be overloaded.
 - provides a zero-argument constructor.
- a) A private function of a class can access
 - default public
- a public function within the same class
 c) Member functions of a class are by
- 10) a) to apply a sealed keyword on a method
 - c) to apply a sealed keyword on a filed

- It is necessary to initialize static data.
- Instance functions can call static functions and access static data.
- b) If we do not provide a constructor, then the compiler provides a zero-argument constructor.
- d) Constructors are never called explicitly.
- b) Member function of a class are by default private.
- None of the mentioned
- b) to apply a scaled keyword on a filed
- d) None of the mentioned

11) What will be the output of the following C# code?

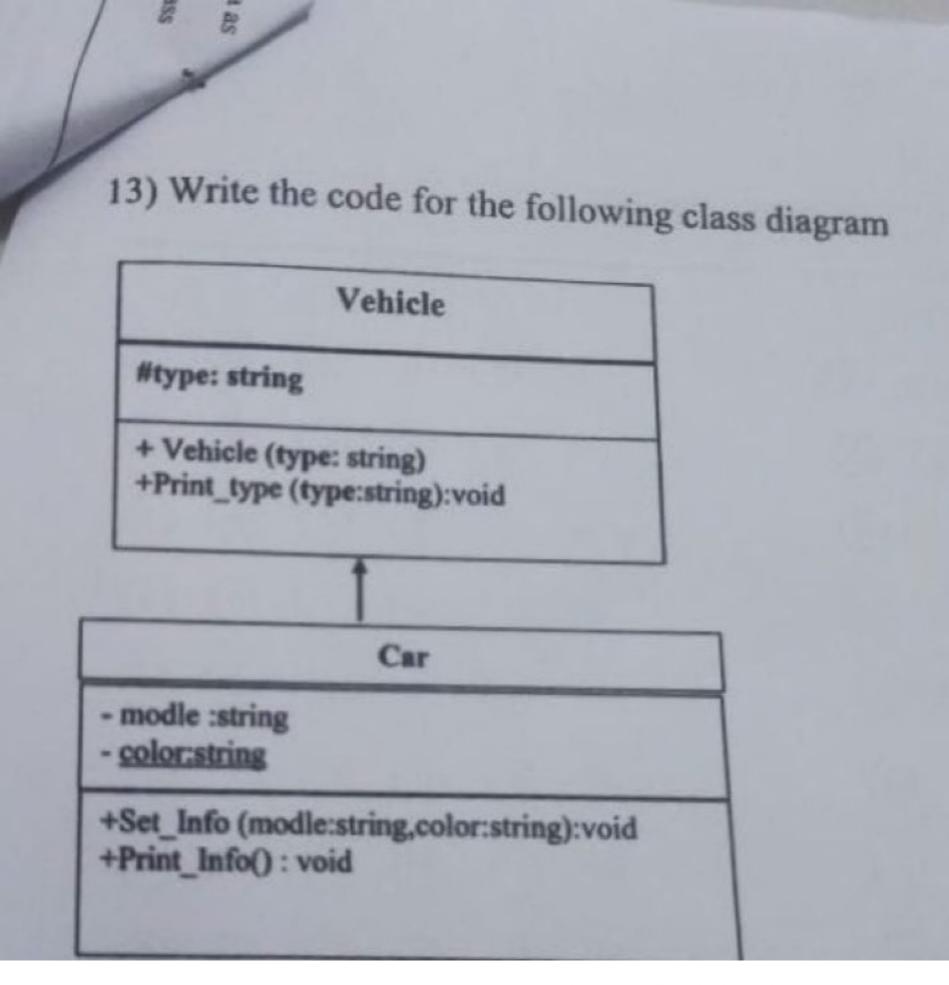
- a) 102 510
- b) 102 102
- c) 510 510
- d) 510 102

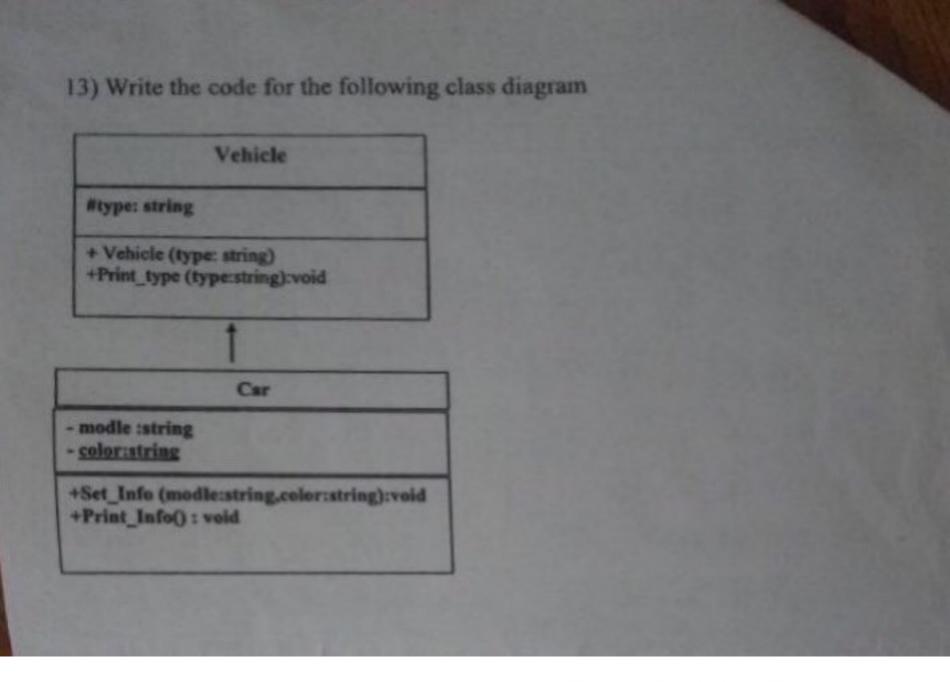
```
class Sample
{
   int x, y;
   public void SetData(int x, int y)
   {
      this.x * x;
      this.y * y;
   }
   public woid Display()
   {
      Console.Writeline("{0} {1}".x.y);
   }
}

class Program
{
   static void Main(string[] args)
   {
      Sample si * new Sample();
      si.SetData(10, 2);
      Sample s2 * new Sample();
      s2.SetData(5, 10);
      s2 * s1;
      s1.Display();
      s2.Display();
      console.ReadKey();
   }
}
```

- 12) Which is most appropriate comment on following program?
- The code will not compile since we cannot explicitly use this.
- Using this in this program is not necessary to properly set the values in the object.
- c) The call to SetData() is wrong since we have not explicitly passed the this reference to it
- d) None of the mentioned

```
class Sample
{
   int i, j;
   public void SetData(int ii, int jj)
        this.i - ii;
        this.j - jj;
   }
} class Program
{
   static void Main(string() args)
   {
        Sample s1 - new Sample();
        s1.SetData(10, 2);
        Sample s2 - new Sample();
        s2.SetData(5, 10);
        Console.ReadKey();
   }
}
```







HADHRAMAUT UNIVERSITY COLLEGE OF COMPUTERS & INFORMATION TECHNOLOGY FINAL EXAMINATION



Academic year: 2021-2022

Day and Date: 3/2/2022 Examiner: Mrs. Al-Rashedi, Qamar Taher

Time allowed one hours

Semester: First Level: level Second Department: IT Subject: OOP

Time and Name:	correct	answer.
Student Name: Ouestion One (10 points): Choose the	COLL	
Ouestion One (15)		multiple?
commof OOP in I	general de	AFFRICALIST A SECRET
Which is not feature of OOP in pability		b) Reduce complexity Duplicate/Redundant data
a) Code reusaouny		0)
e) Efficient Code		water of code
-roops describe	d the reus	ability of cooc b) Polymorphism
Efficient Code Which feature of OOPS described Abstraction		b) Polylika p d) Encapsulation
a) Absure		0)
c) Inheritance		
What is the implicit return type of	construc	b) No return type
What is the implicit return type of a) A class object in which it is	defined	b) No return type d) None of the mentioned
a) A CHAS UDJect		U/
c) void 4) Which of the following functions of		anied from the base class.
was a set following functions of	an be inn	b) Static None of the mentioned
4) Which of the following		d) None of the
a) constructor		member function:
c) Destructor	sed in the	e instance income error
a) constructor c) Destructor 5) What happens if static members are in the static members are in	Ь	Runtime error Executes if that member function is not use
What happens if state a) Executes fine	d) Executes in
c) Compile time error		
c) Compact	act states	ment. :: I the hase
Question two (10 points): Point out the con	CLI	nent. 2. Inheritance cannot suppress the base
Outside the Live Francisco	all b	2. Inheritance carrier
6) a) A derived class object contains	an	
A Brand of the Park		All of the mentioned
a) Inheritance cannot exicing	10 0)	
base class functionality.		L-mented by using
	(b)	Encapsulation is implemented by using
a) Encapsulation is the mechanism tha	. 0,	access modificis
bases data safe from misus		All of the mentioned
- Information - Information Hiding	d)	
c) Encapsulation - Illicon		Procedural Programming paradigm is
a) Object Oriented Programming	b)	different than structured programming
a) Object Oriented Programmes paradigm stresses on dividing the		different than structured programme
logic into smaller parts and writing		paradigm
logic into smaner part		
procedures for each part.		
	d)	Classes and objects are corner stones of
c) Object Oriented Programming	٠,	structured programming paradigm.
paradigm gives equal importance to		Structured programms r
data and the procedures that work		
on the data		
		and the same of the same
Destructors have a return value	b)	Destructor can be overloaded.
	d)	Destructors are not called directly in the
A class can have more than one		
destructor	4	source code

- Static methods are invoked using 10) a) objects of a class.
 - Static methods are outside the class d) (2) всоре
- Static methods can access static data as well as instance data
 - Static methods are invoked using class

Question three (10 points):

11) What will be the output of the following C# code?

- a) 102 510
- b) 102 102
- 5 10 5 10
- d) 510 102

```
class Sample
       public void SetData(int x, int y)
         this.x = x;
         this.y = y;
    public void Display()
       Console.WriteLine("{0} {1}",x,y);
 class Program
     static void Main(string[] args)
         Sample s1 = new Sample();
         s1.SetData(10, 2);
         Sample s2 = new Sample();
         s2.SetData(5, 19);
         $2 - $1;
         s1.Display();
         s2.Display();
         Console.ReadKey();
```

- 12) Which is most appropriate comment on following program?
- a) The code will not compile since we cannot explicitly use this.
- b) Using this in this program is not necessary to properly set the values in the object.
- The call to SetData() is wrong since we have not explicitly passed the this reference to it

None of the mentioned

```
class Sample
       int 1, j;
       public void SetData(int ii, int jj)
          this.1 = 11;
          this.j - jj;
  class Program
     static void Main(string[] args)
         Sample s1 = new Sample();
         s1.SetData(10, 2);
         Sample s2 = new Sample();
         s2.SetData(5, 10);
        Console.ReadKey();
```

1)	Co	rrect syntax of the do while loop is					
00500	a)	do{while(<test>);<code be="" looped="" to="">}</code></test>	b)	do { <code be="" looped="" to="">} white(<test>);</test></code>			
	c)	do (while(<test>)<code be="" looped="" to="">)</code></test>	d)	do{ <code be="" looped="" to="">} while(<test>)</test></code>			
2)	The	e initialization of an object is called its					
-,	a)	creation	6.4	and the state of t			
	c)	destruction	M	construction			
	.,	destruction	d)	declaration			
3)	Ho	How many values does a methods return?					
	a)	1	b)	2			
	()	0	d)	any number of values			
4)	All	All C# applications begin execution by calling the method					
97	a).	Main()	b)	Class[]			
	c)	Submain()	d)	Namespace			
			uj	- This is a second of the seco			
5)		ss's data members are by default					
	a)	Default	b)	Protected			
	c)	Public	d)	Private			
Qu	estion	two (10 points): Point out the wrong stater	nent.				
J)	a)	. A static method does not depend on an instance of	b)	The static methods are typically used to create helper			
		the class.		classes.			
	3)	Instance methods can call static methods and	d)	Static methods can access static data as well as instance			
		access static data.		data			
21	0	A constructor be can be called many times.	(b)	A construction of the			
-	ar.			A constructor can have zero or more parameters.			
	c)	A constructor does not have an explicitly declared return type.	d)	Classes with no constructor have an implicit constructor called the default constructor			
n	a)	The this keyword is used to distinguish class	b)	this reference is passed to static methods.			
	150	members from other data.	7200	Manager St. Company of the Company o			
	c)	The this keyword refers to the current object	d)	The this keyword is used inside the class			
4	a)	A class can have one destructor only	b)	Destructors cannot be inherited or overloaded			
	9	Destructors can have modifiers	d)	All of above mentioned			
	4	The state that the state of the	u)	All of above membred			
5)	a)	To call another constructor from the same class,	b)	Both a & d			
	~	we use the this keyword.					
	O	Constructor Chaining is a very useful technique for avoiding data redundancy	d) _e	When a constructor invokes another constructor in the same class known as constructor chaining			

Question one(10 points): Choose the correct answer.

given below?

```
11)
```

```
namespace IndiabixConsoleApplication
-
    class Sample
     1
         double i:
        bool it
        public void SetData(double (, bool ))
              1 = 11
              3 " 32
         public void Display()
             Console.WriteLineti . " " . 91;
     class MyProgram
     1
         atetic world Main(string) | ange)
             Sample sl = new Sample():
             gl.SetData(10.5, turn);
             st.Display();
                  10.5 ture
            世
 Output:
                  10.500 ture
            b)
                  10.5 false
             c)
                  0 false
             d)
                  None of the above
            (c)
```

```
12)
int A:
int | = new intil:
1 - 10;
5 = 20:
String str;
str = 1.ToString();
str = j.ToString();
```

- 国国 This is a perfectly workable code snippet
 - Since int is a primitive, we cannot use new with it
 - Since an int is a primitive, we cannot call the method ToString() using it.
- d) i will get created on stack, whereas j will get created on heap.
- Both i and j will get created on heap c)

Ques	tion one (10 points): Choose the correct answer	
D	The default case in the switch atatements is a) executed if any of the case is not executed	b) never executed
	c) executed if all the cases execute successfully	d) executed in some special cases
2)	Implicit Conversion Tellows the order of conversion as per c a) float < chor < float c) mi < chor < float	b) char < int < float if) float < int < char
3)	In col the constructors are called using the keyword	
	a) cons c) coad	b) new d) invoke
4)	Correct system for do while loop is a) do: statement, while (condition). c) do: statement; while (condition)	b) B, do(condition) [statement; [while; d) ydo [statement;]while (condition);
	There are two types of constructors in Ca a) Default c) Both a and d	b) Built in d) parameterized
Quest	ion two (10 points): Point out il : correct statemen	it.
	Classes and objects are corner stones a procedures of programming paradigm	b) Object Oriented Programming paradigm known as inline programming takes a top-down approach.
	e) Both a & b	d) Object Oriented Programming paradigm gives equal importance to data and the procedures that work on the data
	23 If we do not provide a constructor, then the compiler provides a zero-organical constructor	b) A constructor cannot be averloaded
	c) Constructors are never called explicitly.	d) If we provide a one-argument constructor then the compiler still provides a zero-argument constructor.
	a) To call another constructor from the same class, we use the new keyword	b) Constructor Chaining is a very useful technique for avaiding data redundancy.
	When a constructor invokes another constructor in the same class known as constructor chaining	d) d) All of the mentioned
	a) Destructors have a return value	b) Destructors are not called directly in the source code
	23 Destructor can be overloaded.	d). A class can have toose than one destructor
	at State sections are invoked using objects of a class.	b) Static methods can access static data as well as instance data
		d) Static methods are invoked using class.

```
Question three (10 point) Which of the following statements are correct about the CANET code snippets
  given below?
  11)
  Class Sample
      PELVALS INC 14
      public double it
      private void ClapTayData ()
           Change to Approximate a - - + 111
      public void mostars is
          Change and serious to a a a a to
             a comen be declared in public.
              DisplayDate() connot secess y
        743
             (SuplayDamg) current for declared as private.
             Show Dir () comot averiant i.
        413
              There is no cross in this class.
        23
32)
 susceptive festables our telepolication
         public sold felliraling J. dauble 11
    CLASS SYPESSION
             Sample at a pass Sample (act)
             gl. bettmta110, 5,411/
             el.Ciapleyits
Output
            93
            99
                 105.4
                 19:5(400000)
                 Name of the above
```