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C# Review

Questions

Question 1 :
How can you overload a method?
Select Answer :

1. Different parameter data types
2. Different number of parameters
3. Different order of parameters
4. All of the above

Question 2 : What is the accessibility modifier for methods inside the interface?
Select Answer :

1. Private by default
2. Public by default
3. protected
4. Friend

Question 3: What's the top .NET class that everything is derived from ?
Select Answer:

1. System.Net.All
2. System.IO
3. System.Collections
4. System.Object

Question 4 :
What does the keyword virtual mean in the method definition?
Select Answer :

1. Overload
2. Virtual
3. Imaginary
4. over – ridden

Question 5 :
C# provides a default constructor for me. I write a constructor that takes a string as a parameter, but want to keep the no parameter one . How many constructors should I write?
Select Answer :

1. One
2. Two
3. Three
4. None of the above

Question 6:
Does C# support multiple inheritance?

Select Answer :

1. Yes
2. Partially
3. No
4. None of the above

Question 7 :
How do you inherit from a class on C#?
Select Answer:

1. Place a semicolon and then the name of the base class
2. Place a dot and then the name of the base class
3. Place a scope resolution and then the name of the base class
4. Place a colon and then the name of the base class

Question 8:
What's the implicit name of the parameter that gets passed in to the class' set method?
Select Answer :

1. value
2. Datatype
3. value and its datatype
4. none of the above

Question 9 :
How can you sort the elements of the array in descending order?
Select Answer :

1. Desc()
2. ASCReverse()
3. By calling Sort() and then Reverse() methods
4. By calling ascen() and then Reverse() methods

Question 10 :
Can you override private virtual methods?(no private virtual)
Select Answer

1. Yes
2. No
3. Either 1 or 2
4. None

Question 11 : What is a delegate?
Select Answer :

1. A Strongly typed function pointer
2. A light weight thread or process that can call a single method
3. A reference to an object in a different process
4. An inter – process message channel

Question 12 :

What is boxing in .net ?
Select Answer :

1. Encapsulating an object in a value type.
2. Encapsulating a copy of an object in a value type
3. Encapsulating a value type in an object
4. Encapsulating a copy of a value type in an object

Question 13 :
Which of these string definitions will prevent escaping on backslashes in C#?
Select Answer :

1. string s = #"n Test string";
2. string s = "n Test string"
3. string s = @"n Test string"
4. string s = "n Test string";

Question 14 : The C# keyword 'int' maps to which .NET type ?
Select Answer :

1. System.Int16
2. System.Int32
3. System.Int64
4. System.Int128

Question 15 : Loading of .Net Assembly in Windows 98/ME is different than execution in Windows XP.
Select Answer :

1. Yes
2. No
3. Cant say

Question 16 :
Which program control statements aways executes the internal statements at least once?
Select Answer :

1. do{Statements}j=j+1;
2. if(j!=1){Statements} j = j+1;
3. while(j!=1){Statements} j=j+1;

Question 17 :
Which is the default interface for any COM component?
Select Answer :

1. IUnknown
2. IEnumerable
3. Enumerator
4. Idisposable

Question 18 :
Which interface allows a collection to be navigated using the foraech statement?
Select Answer :

1. IEnumerable
2. IUnknown
3. IEnumerator
4. Idisposable

Question 19 :
Term for the process by which the Runtime uses to find an assembly?
Select Answer :
1. Searching
2. Probing
3. Sorting
4. Caching
5. Bubbling

Question 20 :
Difference between the C# statements “catch(Exception ex){}” and “catch{}”?
1. A try statement can only have one catch{} statement(general catch clause)
2. general clause; if one is present it must be the last catch clause
3. general clause ; may also catch exceptions from other languages
4. “catch(Exception ex){}” is more powerful
5. 1,2&3

Question 21:
If a method is marked as protected internal who can access it?
Select answer :
1. Classes that are both in the same assembly and derived from the declaring class.
2. Only methods that are in the same class as the method in question
3. Internal methods can be only be called using reflection
4. Classes within the same assembly, and classes derived from the declaring class

Question 22 :
Which of these statements correctly declares a two-dimensional array in C# ?
Select Answer :
1. int[,] myArray;
2. int[][] myArray;
3. int[2] myArray;
4. System.Array[2] myArray;

Question 23 :
Is it possible to restrict the scope of a field/method of a class to the classes in the same namespace?
Select Answer ;
1. There is no way to
2. restrict to a namespace. Namespaces are never units of protection
3. But if you’re using assemblies, you can use the ‘internal’
4. access modifier to restrict access to only within the assembly

Question 24 :
How do you implement thread synchronization (Object.Wait,Notify, and CriticalSection) in C#?
Select Answer :

1. You want the lock statement, which is the same as Monitor Enter/Exit :
2. lock(obj){//code}translates to
3. try{CriticalSection.Enter(obj);//code}
4. finally{CriticalSection.Exit(obj)};
5. }

Question 25 :
Is it possible to have different access modifiers on the get/set methods of a property?
Select Answer :

1. No. The access modifier on a
2. property applies to both its get and set accessors
3. What you need to do if you want them to be different is make the property read –
4. only(by only providing a get accessor) and create a private/internal
5. set method that is separate from the property

Question 26 :
Is it possible to have a static indexer in C#?
Select Answer :

1. No. Static indexers are not allowed in C#?
2. Yes
3. Depend on some conditions.
4. I don’t know.

Question 27:
How do you specify a custom attribute for the entire assembly(rather than for a class)?
Select Answer :

1. Global attributes must appear
2. after any top – level using clauses and before the first type or namespace declarations
3. An example of this is as follows:
4. using System;
5. [assembly : MyAttributeClass] class X {}

Question 28 :
How do I simulate optional parameters to COM calls?
Select Answer :

1. You must use the Nissing class
2. and pass Missing .Value(in System.Reflection)
3. for any values that
4. have optional parameters

Question 29 :

I was trying to use an “out int” parameter in one of my functions. How should I declare the variable that I am passing to it?
Select answer :

1. You should declare the variable as an int, but when you pass in you must specify it as ‘out’
2. like the following;int i;foo(out i);
3. where foo is declared as follows:[return - type]
4. foo(out int o){}

Question 30 :
For which of the following protocols is The Internet Transfer control used ?
Select Answer :

1. TCP only
2. FTP and TCP
3. FTP and IPX
4. HTTP and TCP
5. FTP and HTTP

Question 31 :
How do you retrieve the value of the Name property ?
Scenario : A public string property called Name has been added to class called Employee
Select Answer :

1. Person.Name
2. Employee!Person.Name
3. Person ->Name
4. Person(“Name”)
5. Employee.Name

Question 32 :
Event handing in .NET is handled by which feature
Select Answer :

1. Reflection
2. Remoting
3. Delegates
4. web service

Question 33 :
What is the value for I ?

```
Int i=0;
While(i++<10)
;
Console.WriteLine(“i=”+i);
```

Select Answer :

1. Compile Error
2. Runtime Error
3. 10
4. 11

5. None of the above

Question 34 :
What is the term for assemblies that are marked for aspecific culture via their AssemblyCultureAttribute?
Select Answer :
1. Global assemblies
2. Satellite assemblies
3. Universal assemblies
4. Dynamic assemblies

Question 35 :
Which one of the following is the term used to describe the basic unit of deployment and versioning in the .NET Framework?
Select Answer :
1. Library
2. Managed Module
3. .NET Portable Executable (PE) file
4. Assembly

Question 36 :
Which one of the following statements is true about events and delegates ?
Select Answer :
1. Events must know what object handles its event
2. An event can only have one event handler
3. Delegates are not type – safe
4. A delegate can only hold methods that match the delegate's method signature

Question 37 :
What is the format of assembly version number ?
Select Answer :
1. Major.Minor.Build.Revision
2. Revision.Major.Minor.Build
3. Major.Minor.Revision.Build
4. Build.Major.Minor.Revision
5. Minor.Build.Major.Revision

Question 38 :
C# supports Inheritance
Select Answer :
1. Yes
2. No
3. Some Time
4. Don't know

Question 39 :

Can we have data members inside an interface ?
example:

```
interface ISample
{
   int sample ;
   void DisplaySample();
}
```

Is this a valid syntax
Select Answer :

1. No, We cannot have datamembers inside an interface.However, we can have properties.
2. No, We cannot have datamembers or properties inside an interface
3. Yes, the above example is valid
4. Yes, this is valid in c#. But not in VB.Net

Question 40 :
a class can inherit from how many interfaces?
Select Answer :

1. only one
2. two
3. ten
4. any number

Question 41 :
What is difference between Interface and abstract class
Select Answer :

1. Both are same
2. unlike interface abstracts class have no implementation
3. interface require inheritance

Question 42 :
What will the following code print ?

```
public  interface Employee
{
    int GetSalary();
    void GiveRaise(int amount);
}
public struct Clerk : Employee
{
    private int salary;
    public Clerk(int salary)
   {
         this.salary = salary;
   }
   public int GetSalary()
  {
```

```
        return salary;
    }
    public void GiveRaise(int amount)
    {
        salary+= amount;
    }
}
class Test
{
     static void Main(string[] args)
     {
        Clerk c= new Clerk(1000);
        ((Employee)c).GiveRaise(50);
        System.Console.WriteLine(c.GetSalary());
     }
}
```

Select Answer :

1. We will get a runtime error
2. We will get a compilation error
3. 1050
4. 1000

Question 44 :

What output would you expect from the following code ?

```
Using System;
Class A
{
   public  virtual void F()
   {Console.Write(“A”);}
}
class B : A
{
    public override void F()
    {Console.Write(“B”);}
}
class C : B
{
    new public virtual void F()
   {Console.Write(“C”);}
}
class D:C
{
    public override void F()
     {Console.Write(“D”);}
}
class Test
```

```
{
   static void Main()
   {
         D d =new D();
         A a = d;
         B b =d ;
         C c =d;
         a.F();
         b.F();
         c.F();
         d.F();
   }
}
```

Select Answer :

1. BBDD
2. BBCD
3. ABCD
4. ABBC

Question 46:

Threads are :

Select Answer :

1. static methods
2. objects
3. instance methods
4. events

Question 47 :

What is the printout of the following ?

```
byte b1 =1;
byte b2 = 255;
byte total = b1+b2;
Console.WriteLine(total);
```

Select Answer :

1. We will get a runtime error
2. We will get a compilation error
3. 256
4. 1

Question 48 :

Are private class- level variables inherited?

Select Answer :

1. No, Not at all
2. At times, based on the namespace
3. Yes, but they are not accessible
4. No idea

Question 49 :
Multiple data type store in a System.Array?
Select Answer :

1. Yes
2. No
3. I don’t know
4. All the above

Question 50 :
What are interface class?
Select Answer :

1. Implemented in inherited class
2. Not implemented in inherited class
3. Public abstract methods ddfined in abstract class must be implemented in inherited class
4. All the above

Question 51:
Will finally block get executed if the exception had not occurred ?
Select Answer :

1. No
2. Yes
3. Both
4. I don’t know

Question 52 :
Which is the main CLR System assembly which contains the classes for built – in CLR types?
Select Answer :

1. base
2. smcorlib
3. 1&2
4. none

Question 54 :
What is the output of following c# code ?

```
Using System;
Class MainClass
{
    MainClass(Pointer argPointer, int aNumber)
    {
       Console.WriteLine(new Pointer()argPointer)(aNumber) -1);
    }
    delegate int Pointer (int aVar);
    static int Increment (int aNumber)
    {
        Console.Write(aNumber);
```

```
        Return aNumber+1;
    }
    static void Main()
   {
        new MainClass(new Pointer(Increment),new  Pointer(Increment)(35));
   }
}
```

Select Answer :

1. 363536
2. 353637
3. 353536
4. 373635
5. 353636

Question 57 :

Which language supports operator overloading in .net

Select answer :

1. vb.net
2. c#
3. JScript.net
4. j#.net

Question 58 :

In C# properties and methods are non – virtual by default, which means they can't be overridden in a derived class

Select Answer :

1. true
2. false

Question 59 :

What is the default initial capacity of a hashtable?

Select answer :

1. 16
2. 0
3. 24
4. -1

Question 60 :

What would be the output of the following program?

```
ArrayList myArrayList = new ArrayList();
myArrayList.TrimToSize();
Console.WriteLine(myArrayList.Capacity.ToString());
```

Select Answer :

1. 16
2. 0
3. ArgumentNullException, since the ArrayList contains no values

Question 61 :
Predict the output.
ArrayList myArrayList = new ArrayList();
myArrayList.Add(“Thank you”);
myArrayList.Add(“For”);
myArrayList.Add(“Visiting”);
string mySTring = “\””;
Console.WriteLine(myArrayList.LastIndexOf(myString).ToString());
Select Answer :

1. 0
2. 1
3. -1
4. ArgumentNullException

Question 62 :
If my ArrayList is an ArrayList with the element “1” and myQueue is a Queue with the element “A”, what would be the output of the following program?
myArrayList.AddRange(myQueue);
foreach(string s in myArrayList)
Console.Write(s+”,”);
Select Answer :

1. 1, A
2. A,1
3. A
4. 1

Question 63:
Each time an ArrayList is enlarged, how is its capacity affected?
Select answer :

1. The capacity remains unchanged
2. The capacity is doubled
3. The capacity is tripled
4. The capacity is quadrupled

Question 64
What would be the output of the following program?
ArrayList myArrayList = new ArrayList();
Console.WriteLine(myArrayList.Capacity.ToString());
Select answer :

1. Ten
2. Twelve
3. Fourteen
4. Sixteen

Question 66

How many classes can a single .NET DLL contain?
Select answer :

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

Question 67 :
What is a satellite Assembly?
Select Answer :

1. Any DLL file used by an EXE file .
2. An assembly containing localized resources for another assembly
3. An assembly designed to alter the appearance or ‘skin ’ of application
4. A peripheral assembly designed to monitor per missions requests from an application

Question 68
How does VB.NET/C# achieve polymorphism
Select answer :

1. By Incapsulation
2. By Main function
3. By using Abstract classes/functions
4. By Using Implementation

Question 69 :
In Object Oriented Programming , how would you describe encapsulation?
Select answer :

1. The exposition of data
2. The runtime resolution of method calls
3. The separation of interface and implementation
4. The conversion of one type of object to another.

Question 70 :
How does assembly versioning in .NET prevent DLL Hell?
Select answer ;

1. The compiler offers compile time checking for backward compatibility
2. The runtime checks to see that only one version of an assembly is on the machine at any one time
3. .NET allows assemblies to specify the name AND the version of any assemblies they need to run
4. All Above

Question 71:
What will be the output of the code :

```
int  i = new byte();
string str;
i =2005;
str = “This is Year”;
str = str+i;
Console.WriteLine(str);
```
Select answer :

1. Compile time error – Cannot implicitly convert type ‘byte’ to ‘int’
2. Compile time error – Cannot convert from int to string
3. Run time error – Invalid Cast
4. This is Year 2005

Question 72 :

What is the output of the following ?

```
Byte a = 5 ;
Byte b = 255;
Byte total a+b ;
Console.WriteLine(total);
```
Select answer :

1. 260
2. 1
3. Run –time error
4. Compilation Error

Question 73

Choose the best choice for satellite assembly

Select answer :

1. COM + component
2. A .Net DLL
3. .Net executable file
4. contains user interface text information

Question 74:

What if you compare Null against Null

Ex :

```
if NULL = NULL
[True Part]
Else
[False Part]
```
Select answer :

1. True
2. False
3. Fatal Error

Question 75 :

What is the output of the following snippet in c#?

```
Using System :
Class main
{
    static long afield = 123 ;
    static main()
    {
       Console.WriteLine(afield);
    }
    main()
    {
       afield = 1000;
       Console.WriteLine(afield);
    }
    static void Main(String[] args)
    {
       main obj = new main();
    }
}
```

Select answer :

1. 1000 123
2. 123
3. no output
4. 123 1000

Question 76 :

Which is the correct statement in the following to set the alias name for namespace in C#?

Select Answer :

1. using System Data.OracleClient = aliasName;
2. using aliasName = System.Data.OracleClient ;
3. string aliasName = using.System.Data.OracleClient ;
4. both 1 & 2
5. both 2 & 3

Question 77 :

Which Class can not be inherited ?

Select answer :

1. Virtual Class
2. Sealed Class
3. Abstract Class
4. Final Class

Question 78 :

What is the output of following C# code ?

```
Using System ;
Class AClass
```

```
{
  ushort aField;
  public AClass(ushort aField)
  {
        Console.Write (this.aField =    aField);
  }
}
Class MainClass
{
    static void Main()
    {
        AnObj = new AClass(44);
    }
    AClass AnObj  = new AClass(33);
}
```

Select Answer :

1. 33
2. Syntax Error [Cannot access ‘AnObj’ in ‘static void Main()’]
3. 44
4. 3344
5. 4433

Question 79 :

What is the output of following C# code ?

```
Class AClass
{
    sbyte aField ;
    public AClass (sbyte aField)
   {
      this.aField = aField;
      System.Console.Write(aField);
   }
}
class MainClass
{
  AClass Third = new AClass(8);
  static void Main()
 {

 }
  static AClass Second = new AClass(7);
}
```

select answer :

1. 7
2. 8
3. 78

4. 87
5. No output

Question 80 :
Which of the following are/is value type datatypes of C#?
Select answer :
1. String
2. Object
3. Struct
4. 1&2
5. All

Question 81 :
While using C# language in .Net Framework which of the following datatype is valid ?
Select answer :
1. String
2. string
3. both 1 & 2
4. none
5. all

Question 82
What is the output of following C# code ?

```
Class AClass
{
   sbyte aField ;
   public AClass(sbyte aField)
  {
    this.aField = aField;
    System.Console.Write(aField);
  }
}
class MainClass
{
  static void Main(){}
  static MainClass()
  {
    First   = new AClass(5);
  }
  AClass Third = new AClass(9);
  static AClass First = null;
  static AClass Second = new AClass(-          2);
}
```

Select answer :
1. 5-2
2. 5-29

3. -25
4. -259
5. -295

Question 83
Which operating system has the .NET Framework and Common Language Runtime(CLR) natively installed?
Select answer :
1. Windows .NET Enterprise Servers
2. Windows XP Professional
3. Windows XP Home Edition
4. Windows 9x
5. Windows 2000

Question 84 :
From which one of the following locations does the garbage collector remove objects?
Select answer :
1. The download cache
2. The global assembly cache
3. The thread stack
4. The managed heap
5. The system registry

Question 85 :
Whether the following code will execute perfectly or not?

```
Static void Main(string[] args)
{
  int  i = 10 ;
  try
 {
    Console.Write("I= "+ i);
  }
  catch(Exception ex)
 {
    Console.WriteLine(ex.Message);
 }
 finally
 {
     return;
  }
}
```

Select answer :
1. yes
2. No

Question 86:
I have a class in C# (the project type is Class Library)

```
Class cls A
{
  //I am having two functions.
    Void f1()
   {
      /* do some coding here*/
   }
   void F1()
  {
       /*do some coding here*/
  }
}
```

Question 87 : Choose the correct differentces between a class and a structure from the following
Select answer :

1. Classes are reference types and structures are value types
2. Classes are value types and structures are reference types
3. The instance data for classes is allocated on heap and that of structures is allocated on stack
4. 1 &3
5. 2&3

Question 88 :
Which of the following is a valid statement ?
Select answer :

1. I = Integer.Parse(S)'Where I is an integer and S is a string
2. I = Parse(S)'Where I is an integer and S is a string
3. S = Parse(I)'Where I is an integer and S is a string
4. None

Question 89 :
The implicit conversion of value types to reference types is called
Select Answer :

1. Parsing
2. Boxing
3. Buffering
4. None

Question 90 :
The following namespace facilitates file access in .net
Select Answer :

1. System.file
2. System.FileIO
3. System.IO
4. System.Access

Question 91 :
When creating an array of reference types , declaring and initializing an array implies
Select answer :

1. an array is created that is filled with members of that type
2. an array of null references is created that can point to that type
3. array of new object is created
4. None of the above

Question 92 :
What is the output of following C# code?

```
class MainClass
{
   static long afield = 1212;
   static MainClass()
  {
     System.Console.Write(aField);
  }
  MainClass()
  {
     aField = 1000;
     System.Console.Write(aField);
  }
  static void Main()
  {
  }
}
```

Select answer :

1. 1212
2. 1000
3. No output
4. Syntax Error[Class MainClass already defines a member ‘MainClass()’]
5. Syntax Error [No executable statements in entry point ‘Main()’]

Question 93 :
What is the output of following C# code ?

```
Class MainClass
{
   static MainClass()
   {
      System.Console.Write(“Static ”);
   }
   public MainClass()
  {
     System.Console.Write(“Instance”);
  }
}
```

```
class AClass
{
  static void Main()
  {
    new MainClass();
  }
}
```
Select answer :

1. Syntax Error [ambiguous call'static MainClass()' and 'MainClass()']
2. Instance
3. Static
4. Instance Static
5. Static instance

Question 94 :

What is the output of following C# code?

```
class  MainClass
{
  static void Main()
 {
    int i = 10 ;
    uint j =2 ;
    i = i + j;
    System.Console.Write(i);
 }
}
```
Select Answer :

1. Throws 'InvalidCastException'
2. 12
3. Syntax Error[Cannot implicitly convert type 'long' to 'int']
4. Syntax Error [Cannot implicitly convert type 'int' to 'uint']
5. Syntax Error [Cannot implicitly convert type 'uint' to 'int']

Question 95 :

What is the output of following C# code ?

```
Class MainClass
{
  static void Main()
 {
    int I = 10;
    uint j =2;
    i+ = j;
    System.Console.Write(i);
 }
}
```
Select Answer :

1. Throws ‘InvalidCastException’
2. 12
3. Compiler Warning [Cannot implicitly convert type ‘int ’ to ‘uint’]
4. Syntax Error [Cannot implicitly convert type ‘int’ to ‘uint’]
5. Syntax Error [cannot implicitly convert type ‘uint’ to ‘int’]

Question 96:
What is the C# equivalent of System.Single?
Select answer :
1. float(16 -bit)
2. float(32 -bit)
3. float(64 - bit)
4. float(128 -bit)
5. decimal(128 - bit)

Question 97 :
Which data type has maximum level of precision?
Select answer :
1. System.Float
2. System.Single
3. System.Decimal
4. System.Double
5. System.Real

Question 98 :
What is the default value of System.Boolean?
Select answer :
1. false in C# (False in VB.NET)
2. true in C# (True in VB.NET)
3. No default value
4. 0
5. null in C#(Nothing in VB.NET)

Question 99 :
If a method is marked as protected internal who can access it?
Select Answer :
1. Classes that are both in the same assembly and derived from the declaring class
2. Only methods that are in the same class as the method in question
3. Internal methods can be only be called using reflection
4. Classes within the same assembly, and classes derived from the declaring class

Question 100 :
What is the output of following C# code?

```
using System;
class MainClass
{
```

```
  static void Main()
  {
    Console.Write("{0}{1}{2}{3}",true^true,true^false, false^true,false^false);
  }
}
```

Select answer

1. True false false True
2. False True True True
3. True False False False
4. True True True False
5. False True True False

Question 101:

What is the default datatype of enumeration constants ?

Select Answer :

1. System.Byte
2. System.Int 16
3. System.Int 32
4. System.Int 64
5. System.Int 128

Question 102

Which of the following statements are wrong ?

A static modifier can be used with events.

B static modifier can be used with types

C static modifier can be used with indexers

D static modifier can be constructors

E static modifier can be used with destructors

F static modifier can be used with local variables declared within a method

Select answer :

1. Only B,C,E & F
2. Only A,D,E & F
3. Only B,D,E & F
4. Only C,D,E& F
5. Only D, E & F

Question 103

What are the access levels of MainClass and innerClass?

```
class MainClass
{
   class InnerClass
   {
   }
}
```

Select answer :

1. public and private

2. public and public
3. public and protected
4. private and private
5. public and internal

Question 104:
What is the access level of InnerClass?

```
Internal class MainClass
{
   public class InnerClass
   {

   }
}
```

Select answer :
1. private
2. public
3. protected
4. internal
5. protected internal

Question 105 :
What is the output of following C# code?

```
Class MainClass
{
      static void Main()
                {         System.Console.Write(int)(Vibgyor.Red);
      }
}
enum Vibgyor : byte
{
  Violet,
  Indigo,
  Blue,
  Green,
  Yellow,
  Orange = 255,
}
```

Select answer :
1. 0
2. 256
3. Syntax Error [enumerator value ‘Vibgyor.Red’ is too large to fit in its type]
4. Syntax Error [cannot cast ‘vibgyor.Red’ to ‘int’]
5. 1

Question 106

Which of A,B,C,D,E is/are wrong ?
A.

```
static int Main(string []args)
{
  //block of statements
   return (0);
}
```

B.

```
static void Main()
{
     //block of statements
     return ;
}
```

C.

```
static int Main()
{
    //block of statements
    return 1;
}
```

D.

```
static uint Main(string []str)
{
     //block of statements
     return 0;
}
```

E.

```
Static public void Main(System.String [] s)
{
    //block of statements
}
```

Select answer :

1. D& E
2. D
3. A& C
4. B
5. A&D

Question 107:
What is managed and unmanaged code ?
Select answer :

1. Managed code mean over the runtime control
2. unmanaged code out of the runtime control

Question 108
Work Order of Garbedge Collector(GC) in .NET ?
Select answer :

1. Mark - >Generation -> Compact - > Allocation
2. Compact ->Allocation - > Mark -> Generation
3. Generation -> Allocation -> Mark -> Compact
4. Allocation - > Mark -> Generation - > compact
5. None

Question 109 :
.NET Garbedge Collector (GC) mark object as?
Select answer :
1. 0 sate, 1 sate, 2 state
2. 1 sate, 2 state, 3 state
3. A sate, B sate, Cstate
4. B sate , C state , D state
5. None

Question 110 :
Arrays in C# are of which type
Select answer :
1. Value type
2. Reference type

Question 111:
We can make a property Write – only , by
Select answer :
1. Removing Set accessor
2. Removing Get accessor

Question 112 :
We can make a property read – only by
Select answer :
1. Removing Set accessor
2. Removing Get accessor

Question 113 :
Advantages of writing a managed code application instead of unmanaged code application
Select answer :
1. Automatic garbage collection
2. Memory management
3. Support for versioning and Security
4. None of the first above three answer
5. All of the first above three answer

Question 114 :
In which assembly does a Strong Name is required?
Select answer :
1. Private Assembly

2. Shared Assembly
3. Can be used in both Private and Shared Assembly
4. In Private assembly but with certain conditions
5. In Shared assembly but with certain conditions

Question 115:
In C# single line comments are implemented by
Select answer
1. !—Data
2. //Data
3. /*Data
4. –Data

Question 116:
In C# multiline comments are implemented by
Select answer :
1.
2. //Data//
3. /*Date*/
4. ←Data-->

Question 117:
A null value is an Empty value
Select answer
1. True
2. fasle
3. Not a relevant comparison

Question 118 :
A null is equal to only another null
Select answer
1. True
2. False
3. Not a relevant comparison

Question 119 :
The Basic Object – Oriented Concepts are
Select Answer :
1. Abstraction, Encapsulation, OverLoading, Overriding
2. Abstraction, Encapsulation, Overriding, Inheritance
3. Abstraction, Encapsulation, Polymorphism, Inheritance
4. Abstraction, Encapsulation, OverLoading, Inheritance

Question 120 :
By default, C# compiler create shared assembly
Select answer :

1. True
2. False
3. I don’t know

Question 121 :
Which tool use to register a shared assembly to global assemblies cache?
Select answer :
1. Just copy to <drive>:\<Windows NT dir>\assembly
2. sn –k
3. gacutil – i
4. tblimp

Question 122 :
We can add new element to an array name MyArray by :
Select answer :
1. MyArray.Add(new value)
2. MyArray[MyArray.Length] = new value
3. Cannot do that
4. MyArray[MyArray.Length -1] = new value

Question 123 :
What wrong with this snippet of code?

```
class ClassA
{
    /*Do something*/
}
interface interfaceB : ClassA
{
   /*Do something*/
}
class  MainClass
{
 static public void Main(System.String     [] s)
  {
    //block of statements
  }
}
```

Select answer :
1. Nothing wrong
2. Compiler error
3. Runtime erro
4. Whatever

Question 124:
What’s the .NET datatype that allows the retrieval of data by a unique key?
Select answer :

1. Primary
2. Integer
3. Unique Identifier
4. HashTable

Question 125
In C#, Default access modifier for class and fields is
Select answer :
1. public
2. private
3. internal
4. protected

Question 126 :
A character in C# is an
Select Answer :
1. signed 32 bit integer
2. unsigned 16 bit integer
3. signed 16 bit integer
4. Unsigned 32 bit integer

Question 127 :
If there are two interfaces having a same function which have same signature and we are implementing both the interfaces in C# class then how will we define the methods in our C# class?
Select answer :
1. Gives compilation error
2. Results in run – time error
3. Interface name dot method name will give you the access to particular method
4. Always calls the function in the first interface

Question 128:
What is the difference between a virtual function and a abstract function ?
Select answer :
1. No difference
2. A virtual function can be overridden but an abstract cannot be overridden
3. A abstract function can be overridden but an virtual function cannot be overridden

Question 129
What will be the output of the following snippet code?
```
int  i =12 ;
object obj = i;
i = 34;
Console.WriteLine(obj);
```
1. 12
2. 34

3. Compile error
4. Runtime it caught Exception

Question 130
How do you return more than one value in a function ?
Select answer :
1. using return keyword
2. using multiple return keywords
3. using out or ref parameters
4. not possible

Question 131 :
In C#, the members inherited from the base class may not include which of the following ?
Select answer :
1. constants
2. fields
3. methods
4. properties
5. None of the above choices

Question 132 ;
The following code is meant to handle exceptions. Explain why this code is not correct
1. try
2. {
3. …
4. }
5. catch(Exception){…}
6. catch(IOException){…}

Select answer :
1. We can't use the type of IOException class as catch parameter here as such class doesn't exist
2. The code generates a compile time error because the most general exception is caught first
3. The type of class Exception can't be used as catch parameter
4. This code is absolutely correct

Question 133 :
To convert a private assembly to a shared assembly which of the following should you perform ?
Select answer :
1. Create a key pair
2. Sign the assembly with the key pair
3. Place the assembly in the global assembly cache
4. All of the above
5. None of the above

Question 134

It is possible for a derived class to define a member that has the same name as the member in its base class. Which of the following keywords would you use If your intent is to hide the base class member?
Select answer
1. virtual
2. sealed
3. ref
4. new

Question 135
Identifiers in C# can be the same as reserved keywords [True/False]
Select answer :
1. False
2. True, you do this by prefixing the identifier with an @ symbol
3. True, you do this by suffixing the identifier with an @ symbol
4. True, you do this by suffixing the identifier with an & symbol