**MS.NET – Multiple Choice questions with Answers**

**Q1: In C#, all binary operators are \_\_\_\_\_\_.**

A. Center-associative

B. Right-associative

C. Left-associative

D. Top-associative

**Q2: The theory of \_\_\_\_\_ implies that user can control the access to a class, method, or variable.**

A. Data hiding

B. Encapsulation

C. Information Hiding

D. Polymorphism

Q3: Which of the following components of the .NET framework provide an extensible set of classes that can be used by any .NET compliant programming language?

A. .NET class libraries

B. Common Language Runtime

C. Common Language Infrastructure

D. Common Type System

Q4: Which of the following .NET components can be used to remove unused references from the managed heap?

A. Common Language Infrastructure

B. CLR

C. Garbage Collector

D. CTS

Q5: Which of the following is a value types?

A. Integer

B. Array

C. String

D. Interface

Q6: Which of the following is the correct ways to set a value 3.14 in a variable pi such that it cannot be modified.

A. float pi = 3.14F;

B. #define pi 3.14F;

C. const float pi = 3.14F;

D. const float pi; pi = 3.14F;

Q7: Which of the following statements are correct about datatypes in C#.NET?

1. Every datatype is either a value type or a reference type.

2. Value types are always created on the heap.

3. Reference types are always created on the stack.

4. Mapping of every value type to a type in Common Type System facilitates Interoperability in C#.NET.

A. 1,3

B. 2,4

C. 1,4

D. 3,4

Q8: Which of the following are NOT Relational operators in C#.NET?

1. >=

2. !=

3. Not

4. <=

5. <>=

A. 1, 3

B. 2, 4

C. 3, 5

D. 4, 5

Q9: What data types do a Rangevalidator supports

A. Integer

B. String

C. Date

D. All of the above

Q10: Attribute that must be set on a validator control for the validation to work.

A. ControlToValidate

B. ControlToBind

C. ValidateControl

D. Validate

Q11: The data members of a class by default are ---------.

A. protected, public

B. private, public

C. Private

D. Public

Q12: What object can help you maintain data across users?

A. Session object

B. Application Object

C. Server Object

D. Response Object

Q13: A class that cannot be inherited is what type of class?

A. Sealed

B. Static

C. Gather

D. Construct

Q14: What is boxing?

A. Encapsulating an object in a value type.

B. Encapsulating a copy of an object in a value type.

C. Encapsulating a value type in an object.

D. Encapsulating a copy of a value type in an object type

Q15: An assembly is

A. A collection of files that appear to the programmer to be a single DLL or EXE.

B. properties of c#

C. events Of c#

D. declarative syntax of Java

Q.16 How can we get the number of records or rows in a table?

1. Using COUNT
2. Using NUM
3. Using NUMBER
4. Both a and c above

Q. 17 Can we define multiple unique constraints on a table?

1. Yes
2. No
3. Sometimes
4. Not Possible if contains null

Q18: Which of the following objects represents a LINQ to SQL O/R map?

A. DataSet

B. XElement

C. ObjectContext

D. DataContext

Q.19 Which is the default order of sort in ORDER BY clause?

1. Ascending
2. Descending

Q. 20 To eliminate duplicate rows ……………… is used

A) NODUPLICATE

B) ELIMINATE

C) DISTINCT

D) None of these

Q. 21 DCL stands for

A) Data Control Language

B) Data Console Language

C) Data Console Level

D) Data Control Level

**Q22: Which of the following statements is true?**

A. LINQ to SQL works with any database.

B. LINQ to SQL works with SQL Server.

C. LINQ to SQL is a CLR feature.

D. LINQ to SQL is a SQL Server feature.

**Q23: Which of the following statements is correct about Managed Code?**

A. Managed code is the code that is compiled by the JIT compilers.

B. Managed code is the code where resources are Garbage Collected.

C. Managed code is the code that runs on top of Windows.

D. Managed code is the code that is written to target the services of the CLR.

**Q24: Which of the following are NOT true about .NET Framework?**

1.It provides a consistent object-oriented programming environment whether object code is stored and executed locally, executed locally but Internet-distributed, or executed remotely.

2. It provides a code-execution environment that minimizes software deployment and versioning conflicts.

3. It provides a code-execution environment that promotes safe execution of code, including code created by an unknown or semi-trusted third party.

4. It provides different programming models for Windows-based applications and Web-based applications.

5. It provides an event driven programming model for building Windows Device Drivers.

A. 1, 2

B. 2, 4

C. 4, 5

D. 1, 2, 4

**Q25: Which of the following jobs are NOT performed by Garbage Collector?**

1. Freeing memory on the stack.
2. Avoiding memory leaks.
3. Freeing memory occupied by unreferenced objects.
4. Closing unclosed database collections.
5. Closing unclosed files.

A. 1, 2, 3

B. 3, 5

C. 1, 4, 5

D. 3, 4

**Q26: Which of the following statements correctly define .NET Framework?**

A. It is an environment for developing, building, deploying and executing Desktop Applications, Web Applications and Web Services.

B. It is an environment for developing, building, deploying and executing only Web Applications.

C. It is an environment for developing, building, deploying and executing Distributed Applications.

D. It is an environment for developing, building, deploying and executing Web Services.

**Q27: Which of the following is the root of the .NET type hierarchy?**

A. System.Object

B. System.Type

C. System.Base

D. System.Parent

**Q28: Which of the following statements is correct about the C#.NET code snippet given below?**

class Student s1, s2; // Here 'Student' is a user-defined class.

s1 = new Student();

s2 = new Student();

A. Contents of s1 and s2 will be exactly same.

B. The two objects will get created on the stack.

C. Contents of the two objects created will be exactly same.

D. The two objects will always be created in adjacent memory locations.

**Q29: Which of the following statements are correct?**

1. Instance members of a class can be accessed only through an object of that class.
2. A class can contain only instance data and instance member function.
3. All objects created from a class will occupy equal number of bytes in memory.
4. A class can contain Friend functions.
5. A class is a blueprint or a template according to which objects are created.

A. 1, 3, 5

B. 2, 4

C. 3, 5

D. 2, 4, 5

**Q30: Which of the following is the correct way to create an object of the class Sample?**

1. Sample s = new Sample();
2. Sample s;
3. Sample s; s = new Sample();
4. s = new Sample();

A. 1, 3

B. 2, 4

C. 1, 2, 3

D. 1, 4

**Q31: Which of the following statements are correct?**

1. Data members ofa class are by default public.
2. Data members of a class are by default private.
3. Member functions of a class are by default public.
4. A private function of a class can access a public function within the same class.
5. Member function of a class are by default private.

A. 1, 3, 5

B. 1, 4

C. 2, 4, 5

D. 1, 2, 3

**Q32: Which of the following statements is correct about the C#.NET code snippet given below?**

**int i;**

**int j = new int();**

**i = 10;**

**j = 20;**

**String str;**

**str = i.ToString();**

**str = j.ToString();**

A. This is a perfectly workable code snippet.

B. Since int is a primitive, we cannot use new with it.

C. 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.

**Q33. Which of the following are the methods to assign values to an array?**

i) double [ ] score = {234.0, 214.5, 572.0};

ii) int [ ] marks = new int [3] {33, 45, 67};

iii) int [ ] marks = new int [ ] {33, 45, 67};

A) i and ii only

B) ii and iii only

C) i and iii only

D) All i, ii, iii

**Q34: State whether the following statements are True or False.**

i) Unlike classes, structures cannot inherit other structures or classes.

ii) A structure can implement one or more interfaces.

iii) Structure members can be specified as abstract, virtual or protected.

A) i- True, ii- False, iii-True

B) i- False, ii- True, iii-True

C) i-True, ii-True, iii-False

D) i- False, ii- False, iii-True

**Q35: SOAP stands for \_\_\_\_\_\_\_\_\_\_.**

A. Simple Object Access Program

B. Simple Object Access Protocol

C. Simple Object Application Protocol

D. Simple Object Account Protocol

Q. 36

The .NET Framework Class Library (FCL) is also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Answer Choices

1. Base Class Library (BCL)
2. Common Class Library (CCL)
3. Global Class Library (GCL)
4. Public Class Library (PCL)

Correct Answer: A

Q. 37

Which of the following is a code that consists of CPU and platform-independent set of instructions, which can be easily converted to native code?

Answer Choices

1. JIT
2. FCL
3. DML
4. MSIL

Correct Answer: D

Q. No.38

Which of the following is/are the modules of Common Language Runtime (CLR)?

i) Thread Support

ii) Cross-language Integration

iii) Interoperability

Answer Choices

1. i and ii only
2. ii and iii only
3. i and iii only
4. All i, ii and iii

Correct Answer: D

Q. No. 39

Which one is responsible for allocating, freeing, and compacting memory?

Answer Choices

1. garbage collector
2. type checker
3. code manager
4. memory manager

Correct Answer: A

Q. No.40

Which of the following is a reference type?

Answer Choices

1. enum
2. struct
3. char
4. class

Correct Answer: D

Q. No. 41

Which namespace includes classes and interfaces that define the various collections of objects such as lists, queues, hash tables, arrays, etc.?

Answer Choices

1. system.collection
2. system
3. system.data
4. system.drawing

Correct Answer: A

Q. No.42

Code that works under the supervision of the Common Language Runtime (CLR) is known as\_\_\_\_\_\_\_\_\_\_\_\_.

Answer Choices

1. Unmanaged
2. Distributed
3. Legacy
4. Managed Code

Correct Answer: D

Q. No. 43

Which of the following is the root of the .NET type hierarchy?

Answer Choices

A. System.Object

B. System.Type

C. System.Base

D. System.Parent

Correct Answer: A

Q. No.44

What is the default access modifier/specifier of a class in C#.NET?

Answer Choices

1. Protected
2. Private
3. Public
4. Internal

Correct Answer: D

Q. No. 45

What is the type of class that can be inherited only and cannot be instantiated?

Answer Choices

1. Sealed
2. Abstract
3. Partial
4. Virtual

Correct Answer: B

Q. No.46

Which type is a type whose fields consist of a fixed set of constants?

Answer Choices

1. string
2. enum
3. struct
4. array

Correct Answer: B

Q. No.47

Which one is responsible for allocating, freeing, and compacting memory in .NET Framework?

Answer Choices

1. garbage collector
2. type checker
3. code manager
4. memory manager

Correct Answer: A

Q. No. 48

Which of the following statements about .NET Frameworks are TRUE or FALSE.

i. The .NET Framework Class Library is used to refer collection of object-oriented types

ii. The Common Language Runtime is a part of .NET Framework on which applications hosted and executed

Answer Choices

1. i-True, ii-False
2. i-False, ii-True
3. i-True, ii-True
4. i-False, ii-False

Correct Answer: C

Q. No. 49

Which feature(s) are provided by Visual Studio .NET?

Answer Choices

1. Application deployment.
2. Debugging
3. Syntax checking.
4. All of the above

Correct Answer: D

Q. No. 50

Which option is used to convert the managed code into native code and then execute the code?

Answer Choices

1. CLR
2. CTS
3. CLS
4. FCL

Correct Answer: A

Q. No. 51

Which instance method declaration includes the abstract modifier in C#.NET?

Answer Choices

1. Abstract method
2. Instance method
3. Sealed method
4. Expression method

Correct Answer: A

Q. No. 52

What is the name of methods that have the same name, but different parameter lists and different definitions?

Answer Choices

1. Method Overloading
2. Method Overriding
3. Method Overwriting
4. Method Overreading

Correct Answer: A

Q. No. 53

What is the nature of Inheritance?

Answer Choices

1. Commutative
2. Associative
3. Transitive
4. Iterative

Correct Answer: C

Q. No. 54

Which class is extended by every class directly or indirectly?

Answer Choices

1. System
2. Object
3. Drawing
4. Console

Correct Answer: B

Q. No. 55

What is the name of technique supported by C# which allows a method to specify explicitly the name of the interface it is implementing?

Answer Choices

1. Method Implementation
2. Implicit Interface Implementation
3. Explicit Interface Implementation
4. Iterative Interface Implementation

Correct Answer: C

Q. No. 56

Which keyword is used for correct implementation of an interface in C#.NET?

Answer Choices

1. interface
2. Interface
3. intfc
4. implement

Correct Answer: A

Q. No. 57

Which of the following are not types of arrays in C#.NET?

Answer Choices

1. Single-Dimensional
2. Multidimensional
3. Jazzed arrays
4. Jagged arrays

Correct Answer: C

Q. No. 58

What is the default access modifier for Struct’s data members?

Answer Choices

1. Protected
2. Public
3. Private
4. Default

Correct Answer: C

Q. No. 59

Which namespace includes classes and interfaces that define the various collections of objects such as lists, queues, hash tables, arrays, etc.?

Answer Choices

1. System.Collections
2. System
3. System.Data
4. System.Drawing

Correct Answer: A

Q. No. 60

Which among the given classes is present in System.Collections.Generic namespace?

Answer Choices

1. Stack<>
2. Tree
3. HashTable
4. None

Correct Answer: A

Q. No. 61

Which of the following statements is incorrect about delegate?

Answer Choices

1. Delegates are reference types.
2. Delegates are object oriented.
3. Delegates are type-safe.
4. Only one method can be called using a delegate.

Correct Answer: D

Q. No. 62

What is a delegate?

Answer Choices

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.

Correct Answer: A

Q. No. 63

Which keyword indicates the catching of an exception?

Answer Choices

1. Try
2. Throw
3. Catch
4. Finally

Correct Answer: C

Q. No. 64

Which class is the base class for all predefined system exception?

Answer Choices

1. System.ApplicationException
2. System.SystemException
3. System.IO.IOException
4. System.IndexOutOfRangeException

Correct Answer: B

Q. No. 65

What is the name of the namespace which should be included while making use of LINQ operations?

Answer Choices

1. System.Text
2. System.Collections.Generic
3. System.Linq
4. None of the above

Correct Answer: C

Q. No. 66

Which of the following objects represents a LINQ to SQL Object Relational map?

Answer Choices

1. DataSet
2. XElement
3. ObjectContext
4. DataContext

Correct Answer: D

Q. No. 67

Which one is a collection of types and resources that are built to work together and form a logical unit of functionality?

Answer Choices

1. Metadata
2. Assembly
3. CLS
4. CLR

Correct Answer: B

Q. No. 68

Determine whether the following statements about .NET assembly are True or False.

i) Assembly physically exists as DLLs or EXEs.

ii) Assembly can include any file types like image files, text files, etc. along with DLLs or EXEs.

iii) One assembly can contain only one file.

Answer Choices

1. i-True, ii-True, iii-True
2. i-False, ii-True, iii-True
3. i-True, ii-False, iii-True
4. i-True, ii- True, iii-False

Correct Answer: D

Q. No. 69

Which method for making a thread pause for a specific period of time?

Answer Choices

1. push()
2. wait()
3. sleep()
4. stack()

Correct Answer: C

Q. No. 70

What is name of the namespace which supports multithreading programming?

Answer Choices

1. System.net
2. System.Linq
3. System.Threading
4. None of the above

Correct Answer: C

Q. No. 71

Which of the following is not a feature of ASP.NET MVC?

Answer Choices

1. Separation of Concerns
2. Testability
3. Built-in Authentication
4. View State

Correct Answer: D

Q. No. 72

Which of the following is not a valid HTTP method for an ASP.NET MVC action?

Answer Choices

1. GET
2. POST
3. DELETE
4. PUT

Correct Answer: C

Q. No. 73

What is the purpose of routing in ASP.NET MVC?

Answer Choices

1. To map URLs to controller actions
2. To manage session state
3. To authenticate users
4. To validate user input

Correct Answer: A

Q. No. 74

Which of the following is the correct syntax for defining a route in ASP.NET MVC?

Answer Choices

1. routes.MapRoute(name, url, defaults)
2. routes.DefineRoute(name, url, defaults)
3. routes.AddRoute(name, url, defaults)
4. routes.ConfigureRoute(name, url, defaults)

Correct Answer: A

Q. No. 75

What is the purpose of the ViewBag object in ASP.NET MVC?

Answer Choices

1. To pass data from the controller to the view
2. To pass data from the view to the controller
3. To store session data
4. To cache frequently accessed data

Correct Answer: A

Q. No. 76

What is the purpose of the @Html helper in ASP.NET MVC?

Answer Choices

1. To create HTML elements
2. To validate user input
3. To serialize data
4. To manage session state

Correct Answer: A

Q. No. 77

What is the purpose of the [HttpGet] attribute in an ASP.NET MVC controller action?

Answer Choices

1. To specify that the action only responds to GET requests
2. To specify that the action only responds to POST requests
3. To specify that the action only responds to PUT requests
4. To specify that the action only responds to DELETE requests

Correct Answer: A

Q. No. 78

What is the purpose of the web.config file in an ASP.NET MVC project?

Answer Choices

1. To store application-level settings and configurations
2. To store user-specific settings and configurations
3. To store session state data
4. To store data used by the application

Correct Answer: A

Q. No. 79

Which of the following is not a valid action result type in ASP.NET MVC?

Answer Choices

1. ViewResult
2. JsonResult
3. FileResult
4. QueryResult

Correct Answer: D

Q. No. 78

What is the name of the namespace reference that should be added to use the .NET Framework Data Provider for Microsoft SQL Server?

Answer Choices

1. System.Data.Client
2. System.Data.SqlClient
3. System.Data.Sql
4. None of the mentioned

Correct Answer: B

Q. No. 79

Which object is used to fill a DataSet/DataTable with query results in ADO.net?

Answer Choices

1. DataReader
2. DataCursor
3. DataAdapter
4. DataRelate

Correct Answer: C

Q. No. 80

Which of the following is NOT TRUE about the Entity Framework?

Answer Choices

1. It automatically generates the classes from the model and updates these classes dynamically when the model is changed.
2. It takes care of database connectivity.
3. It provides query syntax for querying the model
4. It does not provide any mechanism to track changes to the model’s object.

Correct Answer: D

Q. No. 81

SOAP stands for \_\_\_.

Answer Choices

1. Simple Object Access Program
2. Simple Object Access Protocol
3. Simple Object Application Protocol
4. Simple Object Account Protocols.

Correct Answer: B

Q. No. 82

Which option is used to open IIS configuration manager

Answer Choices

1. Inetmgr6
2. inetmrg
3. inetmgr
4. None

Correct Answer: C

Q. No. 83

Which among the below HTTP verbs will allow to remove the content of a resource?

Answer Choices

1. HTTP GET
2. HTTP PUT
3. HTTP POST
4. HTTP DELETE

Correct Answer: D

Q. No. 84

Which among the below HTTP verbs will allow to modify the content of a resource?

Answer Choices

1. HTTP GET
2. HTTP PUT
3. HTTP POST
4. HTTP DELETE

Correct Answer: B

Q. No.85

What is the use of garbage collector in the .NET framework?

Answer Choices

1. To allocate memory for objects
2. To optimize the performance of the application
3. To automatically reclaim unused memory and resources
4. To manage the execution of threads

Correct Answer: C) To automatically reclaim unused memory and resources

Q. No. 86

What is the use of AppDomains in the .NET framework?

Answer Choices

1. To manage application configuration settings
2. To handle multi-threading and concurrency
3. To provide a sandboxed environment for executing code
4. To manage database connections

Correct Answer: C) To provide a sandboxed environment for executing code

Q. No. 87

Can ILDASM be used to convert IL code back into the original source code?

Answer Choices

1. Yes, ILDASM can convert IL code into the original source code.
2. No, ILDASM can only generate IL code from the source code.
3. ILDASM can convert IL code into a high-level language representation.
4. ILDASM cannot convert IL code back into the original source code.

Correct Answer: D) ILDASM cannot convert IL code back into the original source code.

Q. No. 88

What is the main advantage of managed code over unmanaged code?

1. Improved performance and execution speed
2. Compatibility across different operating systems
3. Automatic memory management and exception handling
4. Direct access to system resources without restrictions

Answer: C) Automatic memory management and exception handling

Q. No. 89

Which of the statements is correct about the Common Type System (CTS)?

1. It provides a set of common data types used across all .NET languages.
2. It ensures compatibility and interoperability between different .NET languages.
3. It enforces type safety and prevents memory-related errors in .NET applications.
4. It defines the execution environment for .NET applications.

Answer: B) It ensures compatibility and interoperability between different .NET languages.

Q. No. 90

Can methods be overloaded based on their return type?

1. Yes, methods can be overloaded based on their return type
2. No, methods cannot be overloaded based on their return type
3. Methods can only be overloaded based on their parameter types
4. Methods can only be overloaded based on their access modifiers

Answer: B) No, methods cannot be overloaded based on their return type

Q. No.91

Given the following code snippet, what will be the output?

public class Count

{

private static int count = 0;

public static void Increment()

{

count++;

}

public static void DisplayCount()

{

Console.WriteLine("Count: " + count);

}

}

public class Program

{

public static void Main()

{

Count.Increment();

Count.DisplayCount();

Count.Increment();

Count.DisplayCount();

}

}

1. Count: 1, Count: 1
2. Count: 1, Count: 2
3. Count: 2, Count: 2
4. Count: 2, Count: 1

Answer: B) Count: 1, Count: 2

Q. No. 92

Wrapping up of data with its properties is called \_\_\_\_\_\_\_\_.

Answer Choices

1. Inheritance
2. Polymorphism
3. Abstraction.
4. Encapsulation

Correct Answer: D

Q. No.93

Which of the following statements is true regarding static members in C#?

1. Static members can only access non-static members.
2. Static members can only be accessed using an instance of the class.
3. Static members are shared among all instances of a class.
4. Static members can be overridden in derived classes.

Answer: C) Static members are shared among all instances of a class.

Q. No.94

What is the main use of an interface in C#?

1. To provide a concrete implementation of a class
2. To define a contract for classes to implement certain methods and properties
3. To restrict access to certain members of a class
4. To enable multiple inheritance in C#

Answer: B) To define a contract for classes to implement certain methods and properties

Q. No.95

Which of the following interfaces should a class implement to ensure proper resource cleanup in .NET?

1. IDisposable
2. IResource
3. IGarbageCollectible
4. IManagedResource

Answer: A) IDisposable

Q. No.96

What is the main use of an indexer in C#?

1. To allow access to an object's properties
2. To provide a way to iterate over a collection
3. To allow indexing of an object like an array
4. To enforce encapsulation in a class

Answer C) To allow indexing of an object like an array

Q. No.97

What happens when a method has an out parameter?

1. The method must assign a value to the out parameter before returning.
2. The method cannot assign a value to the out parameter.
3. The method can optionally assign a value to the out parameter.
4. The method must declare the out parameter as a reference type.

Answer A) The method must assign a value to the out parameter before returning.

Q. No.98

What are generic constraints used for in C# programming?

1. To restrict the type parameters that can be used with a generic class or method.
2. To specify the default values for the type parameters.
3. To define the number of type parameters that can be used with a generic class or method.
4. To determine the order in which type parameters are applied.

Answer: A) To restrict the type parameters that can be used with a generic class or method.

Q. No.99

Which among the following is the correct way to find out the number of elements currently present in an ArrayListCollection called arr?

Answer Choices

1. arr.Capacity
2. arr.Count
3. arr.MaxIndex
4. arr.UpperBound

Correct Answer: B

Q. No. 100

Which of the following collections is the I/O based on a key?

Answer Choices

1. List
2. Dictionary
3. Queue
4. Stack

Correct Answer: B

Q. No.101

To implement delegates, the necessary condition is?

Answer Choices

1. Class declaration
2. inheritance
3. runtime polymorphism
4. Exceptions

Correct Answer: A

Q. No.102

Choose the incorrect statement among the following about the delegate?

Answer Choices

1. delegates are of reference types
2. delegates are object oriented
3. delegates are type safe
4. None of the mentioned

Correct Answer: D

Q. No.103

When an exception will be raised?

Answer Choices

A. before the execution of a program

B. during the execution of a program

C. after the execution of a program

D. none of the above

Correct Answer: B

Q. No. 104

Which class is the base class for all predefined system exception?

Answer Choices

1. System.ApplicationException
2. System.SystemException
3. System.IO.IOException
4. System.IndexOutOfRangeException

Correct Answer: B

Q. No.105

Which of the following objects represents a LINQ to SQL O/R (Object Relational) map?

Answer Choices

1. DataSet
2. XElement
3. ObjectContext
4. DataContext

Correct Answer: D

Q. No. 106

What is name of the namespace to make use of LINQ operations?

Answer Choices

1. System.Text
2. System.Collections.Generic
3. System.Linq
4. None of the mentioned

Correct Answer: C

Q. No.107

Which among the following does not belong to the C#.NET namespace?

Answer Choices

1. class
2. struct
3. enum
4. data

Correct Answer: D

Q. No. 108

Which of the following is not JIT compiler type?

Answer Choices

1. Pre-JIT
2. ECONO-JIT
3. Normal-JIT
4. Abnormal-JIT

Correct Answer: D

Q. No.109

Which method for making a thread pause for a specific period of time?

Answer Choices

1. push()
2. wait()
3. sleep()
4. stack()

Correct Answer: C

Q. No. 110

What is name of the namespace which supports multithreading programming?

Answer Choices

1. System.net
2. System.Linq
3. System.Threading
4. All of the above

Correct Answer: C

Q. No.111

If a developer of ASP.NET MVC defines style information in a common location. Then that location is called as\_\_\_\_\_\_\_\_\_\_\_\_\_.

Answer Choices

1. Master Page/Layout Page
2. Theme
3. Customization
4. None of the Above

Correct Answer: A

Q. No.112

In MVC, @Html.DropDownListFor replaces which of the HTML tags?

Answer Choices

1. < Option >
2. < Select >
3. < List >
4. None

Correct Answer: B

Q. No. 113

What namespace does the MVC Web page belong in the .NET Framework class hierarchy?

Answer Choices

1. System.Web.Mvc
2. System.Windows.Page
3. System.Web.page
4. System.Configuration.Web

Correct Answer: A

Q. No. 114

Which method do you invoke on the DataAdapter control to load your generated dataset with data?

Answer Choices

1. Load
2. Fill
3. GetAll
4. None

Correct Answer: B

Q. No. 115

Which of the following are the Filters in MVC?

Answer Choices

1. Result Filters
2. Exception Filters
3. Both A and B
4. None

Correct Answer: C

Q. No. 116

Which of the following is the extension of MVC Razor view when using C#.NET?

Answer Choices

1. .cshtml
2. .vbhtml
3. Both A & B
4. None

Correct Answer: A

Q. No.117

What is the name of default Viewstart Page in ASP.Net MVC?

Answer Choices

1. \_ViewStart.cshtml
2. B\_Login.cshtml
3. \_Layout.cshtml
4. None

Correct Answer: A

Q. No. 118

In model-view-controller (MVC) architecture, model defines the \_\_\_\_\_\_\_\_\_\_\_\_\_.

Answer Choices

1. Data-access layer
2. Business-logic layer
3. Presentation layer
4. Interface layer

Correct Answer: B

Q. No.119

What is strongly typed view in MVC?

Answer Choices

1. view created with the model class
2. view having the same name as the class
3. view created with strong keyword
4. view created with a controller class

Correct Answer: A

Q. No. 120

How can you comment using Razor Syntax?

Answer Choices

1. \*@ Comment me \*@
2. @\* Comment me \*@
3. @\* Comment me @\*
4. \*@ Comment me @\*

Correct Answer: B

Difficulty Level: Easy

Q. No.121

Which attributes can be used for data validation in MVC.

Answer Choices

1. DataAnnotations
2. Fluent API
3. DataModel
4. HtmlHelper

Correct Answer: A

Q. No. 122

Which special character is used in the Razor View Engine to render server side content.

Answer Choices

1. @
2. <%= %>
3. Both A & B
4. None

Correct Answer: A

Q. No. 123

What is the correct HTML for making a drop-down list?

Answer Choices

1. <select>
2. <list>
3. <input type="dropdown">
4. <input type="list">

Correct Answer: A

Q. No. 124

MVC is composed of three components. These are\_\_\_\_\_\_\_\_\_\_\_.

Answer Choices

1. Member, Vertical and Controller
2. Model, Variable and Centered
3. Model, View and Controller
4. Member, View and Controller

Correct Answer: C

Q. No.125

What is the full form of IIS?

Answer Choices

1. Intelnet Information Server
2. Internet Information Services
3. Inter Information Server
4. Interactive Information Services

Correct Answer: B

Q. No. 126

What is IIS?

Answer Choices

1. Web Browser
2. Web crawler
3. Web Server
4. None of the above

Correct Answer: C

Q. No.127

Which protocol is supported by Web API?

Answer Choices

1. SOAP Protocol
2. HTTP Protocol
3. TCP Protocol
4. FTP Protocol

Correct Answer: B

Difficulty Level: Intermediate

Q. No. 128

Which of the following .NET framework supports Web API?

Answer Choices

1. .NET 1.0
2. .NET 2.0
3. .NET 3.0
4. .NET 4.5

Correct Answer: D

Q. No.129

Which of the following components of the .NET framework provide an extensible set of classes that can be used by any .NET compliant programming language?

Answer Choices

1. .NET class libraries/FCL
2. Common Language Runtime
3. Common Language Infrastructure
4. Component Object Model

Correct Answer: A

Q. No. 130

Which of the following .NET components can be used to remove unused references from the managed heap?

Answer Choices

1. Common Language Infrastructure
2. CLR
3. Garbage Collector
4. Class Loader

Correct Answer: C

Difficulty Level: Intermediate

Q. No.131

Which of the following is/are the modules of Common Language Runtime (CLR)?

i) Thread Support

ii) Cross-language Integration

iii) Interoperability

Answer Choices

1. i and ii only
2. ii and iii only
3. i and iii only
4. All i, ii and iii

Correct Answer: D

Q. No. 132

Which of the following constitutes the .NET Framework?

1. ASP.NET Applications
2. CLR
3. Framework Class Library
4. WinForm Applications
5. Windows Services

Answer Choices

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

Correct Answer: B

Difficulty Level: Intermediate

Q. No.5

Which type is a type whose fields consist of a fixed set of constants?

Answer Choices

1. enum
2. struct
3. char
4. class

Correct Answer: A

Q. No. 133

Which namespace includes classes and interfaces that define the various collections of objects such as lists, queues, hash tables, arrays, etc.?

Answer Choices

1. system.collection
2. system
3. system.data
4. system.drawing

Correct Answer: A

Q. No.134

In C#, keyword "new" is used for \_\_\_\_\_\_\_\_ the objects.

Answer Choices

1. Creating
2. Modifying
3. Allocating memory for.
4. De-allocating memory of.

Correct Answer: C

Difficulty Level: Difficult

Q. No. 135

Which of the following is the root of the .NET type hierarchy?

Answer Choices

A. System.Object

B. System.Type

C. System.Base

D. System.Parent

Correct Answer: A

Q. No.136

Which statements among the following are correct about the Collection Classes available in Framework Class Library?

1. Elements of a collection cannot be transmitted over a network
2. Elements stored in a collection can be modified only if all the elements are of similar types
3. Elements stored in a Collection can be retrieved but cannot be modified
4. Collection classes make use of efficient algorithms to manage the collection, hence improving the performance of the program

Answer: D) Collection classes make use of efficient algorithms to manage the collection, hence improving the performance of the program

Q. No.137

What is the default access modifier/specifier of class members in C#.NET?

Answer Choices

1. Protected
2. Private
3. Public
4. Internal

Correct Answer: B

Difficulty Level: Intermediate

Q. No. 10

What is the type of class that can be instantiated only and cannot be inherited?

Answer Choices

1. Sealed
2. Abstract
3. Partial
4. Virtual

Correct Answer: A

Difficulty Level: Intermediate

Q. No.11

Which class provides forward-only and read-only access to data?

Answer Choices

1. DataReader
2. DataSet
3. DataView
4. DataTable

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 12

Wrapping up of data with its properties is called \_\_\_\_\_\_\_\_.

Answer Choices

1. Inheritance
2. Polymorphism
3. Abstraction.
4. Encapsulation

Correct Answer: D

Difficulty Level: Intermediate

Q. No.13

Which function provides string representation of the object?

Answer Choices

1. ToString().
2. GetType().
3. Equals().
4. Finalize().

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 14

Which of the following collections is the I/O based on a key?

Answer Choices

1. List
2. Dictionary
3. Queue
4. Stack

Correct Answer: B

Difficulty Level: Intermediate

Q. No.15

To implement delegates, the necessary condition is?

Answer Choices

1. Class declaration
2. inheritance
3. runtime polymorphism
4. Exceptions

Correct Answer: A

Q. No. 16

Static class can have \_\_\_\_\_\_\_\_\_ members.

Answer Choices

1. static
2. abstract
3. static and non static.
4. void

Correct Answer: A

Difficulty Level: Intermediate

Q. No.17

When an exception will be raised?

Answer Choices

A. before the execution of a program

B. during the execution of a program

C. after the execution of a program

D. none of the above

Correct Answer: B

Q. No. 18

Which class is the base class for all predefined system exception?

Answer Choices

1. System.ApplicationException
2. System.SystemException
3. System.IO.IOException
4. System.IndexOutOfRangeException

Correct Answer: B

Q. No.19

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an initially undifferentiated area of memory that can be referred to by items placed on the stack.

Answer Choices

1. Linked list
2. List
3. Heap
4. Queue

Correct Answer: C

Q. No. 20

What is name of the namespace to make use of Generic Collections?

Answer Choices

1. System.Text
2. System.Collections.Generic
3. System.Linq
4. System.Collections

Correct Answer: B

Q. No.21

Which among the following does not belong to the C#.NET namespace?

Answer Choices

1. class
2. struct
3. enum
4. data

Correct Answer: D

Q. No. 22

Which block of code is designed to handle the exception you have thrown?

Answer Choices

1. Structs
2. Errors
3. Indexers
4. Exception handler

Correct Answer: D

Q. No.23

Which method for making a thread pause for a specific period of time?

Answer Choices

1. push()
2. wait()
3. sleep()
4. stack()

Correct Answer: C

Q. No. 24

What is name of the namespace which supports multithreading programming?

Answer Choices

1. System.net
2. System.Linq
3. System.Threading
4. All of the above

Correct Answer: C

Q. No.25

If a developer of ASP.NET MVC defines style information in a common location. Then that location is called as\_\_\_\_\_\_\_\_\_\_\_\_\_.

Answer Choices

1. Master Page/Layout Page
2. Theme
3. Customization
4. None of the Above

Correct Answer: A

Q. No. 26

In MVC, @Html.DropDownListFor replaces which of the HTML tags?

Answer Choices

1. < Option >
2. < Select >
3. < List >
4. None

Correct Answer: B

Q. No. 27

What namespace does the MVC Web page belong in the .NET Framework class hierarchy?

Answer Choices

1. System.Web.Mvc
2. System.Windows.Page
3. System.Web.page
4. System.Configuration.Web

Correct Answer: A

Q. No. 28

Which method do you invoke on the DataAdapter control to load your generated dataset with data?

Answer Choices

1. Load
2. Fill
3. GetAll
4. None

Correct Answer: B

Q. No. 29

Which of the following are the Filters in MVC?

Answer Choices

1. Result Filters
2. Exception Filters
3. Both A and B
4. None

Correct Answer: C

Q. No. 30

Which of the following is the extension of MVC Razor view when using VB.NET?

Answer Choices

1. .cshtml
2. .vbhtml
3. Both A & B
4. None

Correct Answer: B

Q. No. 31

What is the name of default Viewstart Page in ASP.Net MVC?

Answer Choices

1. \_ViewStart.cshtml
2. B\_Login.cshtml
3. \_Layout.cshtml
4. None

Correct Answer: A

Q. No. 32

Which filter will be executed at first using ASP.Net MVC?

Answer Choices

* 1. Action filters
  2. Authorization filters
  3. Response filters
  4. Exception filters

Correct Answer: B

Q. No. 33

What is strongly typed view in MVC?

Answer Choices

1. view created with the model class
2. view having the same name as the class
3. view created with strong keyword
4. view created with a controller class

Correct Answer: A

Q. No. 34

In which App folder, AuthConfig.cs file is specified?

Answer Choices

* 1. App\_Data
  2. App\_Start
  3. Content
  4. Filters

Correct Answer: B

Q. No.35

Which attributes can be used for data validation in MVC.

Answer Choices

1. DataAnnotations
2. Fluent API
3. DataModel
4. HtmlHelper

Correct Answer: A

Q. No. 36

Which special character is used in the Razor View Engine to render server side content.

Answer Choices

1. @
2. <%= %>
3. Both A & B
4. None

Correct Answer: A

Q. No. 37

What is the correct HTML for making a drop-down list?

Answer Choices

1. <select>
2. <list>
3. <input type="dropdown">
4. <input type="list">

Correct Answer: A

Q. No. 38

Which are three components of MVC?

Answer Choices

1. Member, Vertical and Controller
2. Model, Variable and Centered
3. Model, View and Controller
4. Member, View and Controller

Correct Answer: C

Q. No.39

What is the full form of IIS?

Answer Choices

1. Intelnet Information Server
2. Internet Information Services
3. Inter Information Server
4. Interactive Information Services

Correct Answer: B

Q. No.40

Which protocol is supported by Web API?

Answer Choices

1. SOAP Protocol
2. HTTP Protocol
3. TCP Protocol
4. FTP Protocol

Correct Answer: B

Q. No.1

What is meant by the term generics?

Answer Choices

1. parameterized types
2. class
3. structure
4. interface

Correct Answer: A

Q. No. 2

Which of the following components of the .NET framework provide an extensible set of classes that can be used by any .NET compliant programming language?

Answer Choices

1. .NET class libraries (FCL)
2. Common Language Runtime
3. Common Language Infrastructure
4. Common Type System

Correct Answer: A

Q. No.3

In C#, all binary operators are \_\_\_\_\_\_.

Answer Choices

1. Center-associative
2. Right-associative
3. Left-associative
4. Top-associative

Correct Answer: C

Q. No. 4

Code that targets the Common Language Runtime is known as\_\_\_\_\_\_\_\_\_.

Answer Choices

1. Unmanaged
2. Distributed
3. Legacy
4. Managed code

Correct Answer: D

Q. No.5

Which of the following is not a value types?

Answer Choices

1. int
2. Array
3. enum
4. char

Correct Answer: B

Q. No. 6

Which of the following is the correct ways to set a value 3.14 in a variable pi such that it cannot be modified.

Answer Choices

1. float pi = 3.14F;
2. #define pi 3.14F;
3. const float pi = 3.14F;
4. const float pi; pi = 3.14F;

Correct Answer: C

Q. No.7

Which of the following statements are correct about datatypes in C#.NET?

1. Every data type is either a value type or a reference type.

2. Value types are always created on the heap.

3. Reference types are always created on the stack.

4. Mapping of every value type to a type in Common Type System facilitates

Interoperability in C#.NET.

Answer Choices

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

Correct Answer: C

Difficulty Level: Difficult

Q. No. 8

Which of the following are NOT Relational operators in C#.NET? Choose best suitable answer only.

1. >=

2. !=

3. Not

4. <=

5. <>=

Answer Choices

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

Correct Answer: C

Difficulty Level: Difficult

Q. No.9

The data members of a class by default are --------- in C#.NET.

Answer Choices

1. Protected
2. Private
3. Public
4. Internal

Correct Answer: B

Difficulty Level: Intermediate

Q. No. 10

A class that cannot be inherited is what type of class?

Answer Choices

1. Sealed
2. Abstract
3. Partial
4. Virtual

Correct Answer: A

Difficulty Level: Intermediate

Q. No.11

Which among the given classes present in System.Collection.Generic.namespace?

Answer Choices

1. Stack
2. Tree
3. Sorted Array
4. All of the mentioned

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 12

Select the wrong statements among the following?

Answer Choices

1. A structure can contain properties
2. A structure can contain constructors
3. A structure can contain protected data members
4. A structure can contain constants

Correct Answer: C

Difficulty Level: Difficult

Q. No.13

Which of the following is used when you need last-in, first-out access of items?

Answer Choices

1. List
2. Stack
3. Array
4. Queue

Correct Answer: B

Difficulty Level: Easy

Q. No. 14

which one is I/O index based among the given collections?

Answer Choices

1. ArrayList
2. List
3. Stack
4. Queue

Correct Answer: A

Difficulty Level: Intermediate

Q. No.15

To implement delegates, the necessary condition is?

Answer Choices

1. Class declaration
2. inheritance
3. runtime polymorphism
4. Exceptions

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 16

Choose the incorrect statement among the following about the delegate?

Answer Choices

1. delegates are of reference types
2. delegates are object oriented
3. delegates are type safe
4. None of the mentioned

Correct Answer: D

Difficulty Level: Difficult

Q. No.17

When an exception will be raised?

Answer Choices

A. before the execution of a program

B. during the execution of a program

C. after the execution of a program

D. none of the above

Correct Answer: B

Difficulty Level: Intermediate

Q. No. 18

Which class is the base class for all predefined system exception?

Answer Choices

1. System.ApplicationException
2. System.SystemException
3. System.IO.IOException
4. System.IndexOutOfRangeException

Correct Answer: B

Difficulty Level: Intermediate

Q. No.19

Which of the following objects represents a LINQ to SQL O/R (Object Relational) map?

Answer Choices

1. DataSet
2. XElement
3. ObjectContext
4. DataContext

Correct Answer: D

Difficulty Level: Difficult

Q. No. 20

LINQ query can work with\_\_\_\_\_\_\_\_.

Answer Choices

1. DataSet
2. List<T>
3. Array
4. All of the above

Correct Answer: D

Difficulty Level: Difficult

Q. No.21

What namespace does the MVC Web page belong in the .NET Framework class hierarchy?

Answer Choices

1. System.Web.Mvc
2. System.Windows.Page
3. System.Web.page
4. System.Configuration.Web

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 22

How do we Delete, Update, Select data in a Dataset?

Answer Choices

1. Using SQLDataAdapter
2. Using SQLDataReader
3. Using SQLCommand
4. None

Correct Answer: A

Difficulty Level: Difficult

Q. No.23

What is MVC application life cycle?

Answer Choices

1. Creating the request object
2. Creating Response object
3. Both A and B
4. None

Correct Answer: C

Difficulty Level: Intermediate

Q. No. 24

An assembly is \_\_\_\_\_\_\_\_\_\_.

Answer Choices

1. A collection of files that appear to the programmer to be a single DLL or EXE.
2. properties of c#
3. events Of c#
4. declarative syntax of Java

Correct Answer: A

Difficulty Level: Difficult

Q. No.25

What are the parts/segments used for routing?

Answer Choices

1. ControllerName
2. ActionMethodName
3. Parameters
4. All of the above

Correct Answer: D

Difficulty Level: Difficult

Q. No. 26

What are the Filters in MVC?

Answer Choices

1. Result Filters
2. Exception Filters
3. Both A and B
4. None

Correct Answer: C

Difficulty Level: Difficult

Q. No. 27

Which of the following is the extension of MVC view when using C#.net?

Answer Choices

1. .cshtml
2. .vbhtml
3. Both A & B
4. None

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 28

What is the name of default Viewstart Page in ASP.Net MVC?

Answer Choices

1. \_ViewStart.cshtml
2. \_Login.cshtml
3. \_Layout.cshtml
4. None

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 29

In model-view-controller (MVC) architecture, model defines the \_\_\_\_\_\_\_\_\_\_\_\_\_.

Answer Choices

1. Data-access layer
2. Business-logic layer
3. Presentation layer
4. Interface layer

Correct Answer: B

Difficulty Level: Easy

Q. No. 30

How can you open a link in a new tab/browser window?

Answer Choices

1. <a href="url" target="\_blank">
2. <a href="url" target="new">
3. <a href="url" new>
4. None

Correct Answer: A

Difficulty Level: Easy

Q. No. 31

How can you comment using Razor Syntax?

Answer Choices

1. \*@ Comment me \*@
2. @\* Comment me \*@
3. @\* Comment me @\*
4. \*@ Comment me @\*

Correct Answer: B

Difficulty Level: Easy

Q. No. 32

Which attributes can be used for data validation in MVC?

Answer Choices

1. DataAnnotations
2. Fluent API
3. DataModel
4. HtmlHelper

Correct Answer: A

Difficulty Level: Difficult

Q. No. 33

The Razor View Engine uses\_\_\_\_\_\_\_\_ to render server side content.

Answer Choices

1. @
2. <%= %>
3. Both A & B
4. None

Correct Answer: A

Difficulty Level: Easy

Q. No. 34

What is a partial view in MVC?

Answer Choices

1. Partial view in MVC renders a portion of view content.
2. Partial view in MVC renders a complete view content.
3. Partial view represents method of Partial Class.
4. Partial view represents properties of Partial Class.

Correct Answer: A

Difficulty Level: Intermediate

Q. No.35

How to Print value from Controller to View in MVC ?

Answer Choices

1. ViewBag.Detail = "my message"; and in view @ViewBag.Detail
2. ViewBag.Detail = "my message"; and in view ViewBag.Detail
3. ViewBag.Detail = "my message"; and in view ViewBag.Title
4. None

Correct Answer: A

Difficulty Level: Difficult

Q. No. 36

Which filter will be execute at last using ASP.Net MVC?

Answer Choices

1. Action filters
2. Authorization filters
3. Exception filters
4. Response filters

Correct Answer: C

Difficulty Level: Difficult

Q. No. 37

Which webserver is developed by Microsoft?

Answer Choices

1. Apache Tomcat
2. Caudium
3. Internet Information Services (IIS)
4. WEBrick

Correct Answer: C

Difficulty Level: Easy

Q. No. 38

Which of the following .NET framework supports Web API?

Answer Choices

1. .NET 1.0
2. .NET 2.0
3. .NET 3.0
4. .NET 4.5

Correct Answer: D

Difficulty Level: Intermediate

Q. No.39

Which symbols are used to mark the beginning and end of a code block in C#.NET?

Answer Choices

1. Square brackets []
2. Curly braces {}
3. Round brackets ()
4. Double-quotes ""

Correct Answer: B

Difficulty Level: Easy

Q. No. 40

What will be the output of the following C# code, if the input is 123?

using System;

namespace MyApplication {

class Program {

static void Main(string[] args) {

Console.WriteLine("Enter a number:");

int num = Console.ReadLine();

Console.WriteLine("Given number is: " + num);

}

}

}

Answer Choices

1. Given number is:123
2. Given number is: 123
3. Given number is: "123"
4. Compilation Error

Correct Answer: D

Difficulty Level: Intermediate

1.Which of the following statements are TRUE about the .NET CLR?

1. It provides a language-neutral development & execution environment.
2. It ensures that an application would not be able to access memory that it is not authorized to access.
3. It provides services to run "managed" applications.
4. The resources are garbage collected.
5. It provides services to run "unmanaged" applications.

A.Only 1 and 2

B.Only 1, 2 and 4

C.1, 2, 3, 4

D.Only 4 and 5

Answer: Option C

2.Which of the following are valid .NET CLR JIT performance counters?

1. Total memory used for JIT compilation
2. Average memory used for JIT compilation
3. Number of methods that failed to compile with the standard JIT
4. Percentage of processor time spent performing JIT compilation
5. Percentage of memory currently dedicated for JIT compilation

A.1, 5

B.3, 4

C.1, 2

D.4, 5

Answer: Option B

3.Which of the following statements is correct about Managed Code?

A.Managed code is the code that is compiled by the JIT compilers.

B.Managed code is the code where resources are Garbage Collected.

C.Managed code is the code that runs on top of Windows.

D.Managed code is the code that is written to target the services of the CLR.

Answer: Option D

4.Which of the following utilities can be used to compile managed assemblies into processor-specific native code?

A.gacutil

B.ngen

C.sn

D.dumpbin

Answer: Option B

5.Which of the following are NOT true about .NET Framework?

1. It provides a consistent object-oriented programming environment whether object code is stored and executed locally, executed locally but Internet-distributed, or executed remotely.
2. It provides a code-execution environment that minimizes software deployment and versioning conflicts.
3. It provides a code-execution environment that promotes safe execution of code, including code created by an unknown or semi-trusted third party.
4. It provides different programming models for Windows-based applications and Web-based applications.
5. It provides an event driven programming model for building Windows Device Drivers.

A.1, 2

B.2, 4

C.4, 5

D.1, 2, 4

Answer: Option C

6.Which of the following components of the .NET framework provide an extensible set of classes that can be used by any .NET compliant programming language?

A..NET class libraries

B.Common Language Runtime

C.Common Language Infrastructure

D.Component Object Model

Answer: Option A

7.Which of the following jobs are NOT performed by Garbage Collector?

1. Freeing memory on the stack.
2. Avoiding memory leaks.
3. Freeing memory occupied by unreferenced objects.
4. Closing unclosed database collections.
5. Closing unclosed files.

A.1, 2, 3

B.3, 5

C.1, 4, 5

D.3, 4

Answer: Option C

8.Which of the following .NET components can be used to remove unused references from the managed heap?

A.Common Language Infrastructure

B.CLR

C.Garbage Collector

D.Class Loader

Answer: Option C

9.Which of the following statements correctly define .NET Framework?

A.It is an environment for developing, building, deploying and executing Desktop Applications, Web Applications and Web Services.

B.It is an environment for developing, building, deploying and executing only Web Applications.

C.It is an environment for developing, building, deploying and executing Distributed Applications.

D.It is an environment for developing, building, deploying and executing Web Services.

Answer: Option A

10.Which of the following constitutes the .NET Framework?

1. ASP.NET Applications
2. CLR
3. Framework Class Library
4. WinForm Applications
5. Windows Services

A.1, 2

B.2, 3

C.3, 4

D.2, 5

Answer: Option B

11.Which of the following assemblies can be stored in Global Assembly Cache?

A.Private Assemblies

B.Friend Assemblies

C.Shared Assemblies

D.Public Assemblies

Answer: Option C

12.Code that targets the Common Language Runtime is known as

A.Unmanaged

B.Distributed

C.Legacy

D.Managed Code

Answer: Option D

13.Which of the following statements is correct about the .NET Framework?

A..NET Framework uses DCOM for achieving language interoperability.

B..NET Framework is built on the DCOM technology.

C..NET Framework uses DCOM for making transition between managed and unmanaged code.

D..NET Framework uses DCOM for creating unmanaged applications.

E..NET Framework uses COM+ services while creating Distributed Applications.

Answer: Option C

14.Which of the following is the root of the .NET type hierarchy?

A.System.Object

B.System.Type

C.System.Base

D.System.Parent

Answer: Option A

15.Which of the following benefits do we get on running managed code under CLR?

1. Type safety of the code running under CLR is assured.
2. It is ensured that an application would not access the memory that it is not authorized to access.
3. It launches separate process for every application running under it.
4. The resources are Garbage collected.

A.Only 1 and 2

B.Only 2, 3 and 4

C.Only 1, 2 and 4

D.All of the above

Answer: Option D

16.Which of the following security features can .NET applications avail?

1. PIN Security
2. Code Access Security
3. Role Based Security
4. Authentication Security
5. Biorhythm Security

A.1, 4, 5

B.2, 5

C.2, 3

D.3, 4

Answer: Option C

17.Which of the following jobs are done by Common Language Runtime?

1. It provides core services such as memory management, thread management, and remoting.
2. It enforces strict type safety.
3. It provides Code Access Security.
4. It provides Garbage Collection Services.

A.Only 1 and 2

B.Only 3, 4

C.Only 1, 3 and 4

D.All of the above

Answer: Option D

18.Which of the following statements are correct about a .NET Assembly?

1. It is the smallest deployable unit.
2. Each assembly has only one entry point - Main(), WinMain() or DLLMain().
3. An assembly can be a Shared assembly or a Private assembly.
4. An assembly can contain only code and data.
5. An assembly is always in the form of an EXE file.

A.1, 2, 3

B.2, 4, 5

C.1, 3, 5

D.1, 2

Answer: Option A

19.Which of the following statements are correct about JIT?

1. JIT compiler compiles instructions into machine code at run time.
2. The code compiler by the JIT compiler runs under CLR.
3. The instructions compiled by JIT compilers are written in native code.
4. The instructions compiled by JIT compilers are written in Intermediate Language (IL) code.
5. The method is JIT compiled even if it is not called

A.1, 2, 3

B.2, 4

C.3, 4, 5

D.1, 2

Answer: Option A

20.Which of the following are parts of the .NET Framework?

1. The Common Language Runtime (CLR)
2. The Framework Class Libraries (FCL)
3. Microsoft Published Web Services
4. Applications deployed on IIS
5. Mobile Applications

A.Only 1, 2, 3

B.Only 1, 2

C.Only 1, 2, 4

D.Only 4, 5

Answer: Option B

21. CLR is the .NET equivalent of \_\_\_\_\_\_\_\_\_.

A. Java Virtual Machine

B. Common Language Runtime

C. Common Type System

D. Common Language Specification

Ans: A

22. The CLR is physically represented by an assembly named \_\_\_\_\_\_\_.

A. mscoree.dll

B. mcoree.dll

C. msoree.dll

D. mscor.dll

Ans: A

23. SOAP stands for \_\_\_\_\_\_\_\_\_\_.

A. Simple Object Access Program

B. Simple Object Access Protocol

C. Simple Object Application Protocol

D. Simple Object Account Protocol

Ans: B

24.The infrastructure that supports dynamic operations at run time is called the\_\_\_\_\_\_\_\_\_\_.

A.CLR

B.CTS

C.CLS

D.DLR

Ans: D

25. Which of the following jobs are NOT performed by Garbage Collector?

1.Freeing memory on the stack.

2.Avoiding memory leaks.

3.Freeing memory occupied by unreferenced objects.

4.Closing unclosed database collections.

5.Closing unclosed files.

(A) 1, 2, 3

(B) 1, 4, 5

(C) 3, 5

(D) 3, 4

Ans: B

26. Which of the following statements is correct about Managed Code?

A. Managed code is the code that runs on top of Windows.

B. Managed code is the code that is written to target the services of the CLR.

C. Managed code is the code where resources are Garbage Collected.

D. Managed code is the code that is compiled by the JIT compilers.

Ans: B

27. How does assembly versioning in .NET prevent DLL Hell?

A. The runtime checks to see that only one version of an assembly is on the machine at any one time.

B. The compiler offers compile time checking for backward compatibility.

C. .NET allows assemblies to specify the name AND the version of any assemblies they need to run.

D. It doesn.t.

Ans: C

28. Which of the following constitutes the .NET Framework?

1. ASP.NET Applications

2. CLR

3. Framework Class Library

4. WinForm Applications

5. Windows Services

(A) 2, 5

(B) 2, 1

(C) 2, 3

(D) 3, 4

Ans: C

29. Managed methods will be marked as ------------ in MSIL code

A. mscorjit

B. cil

C. dgclr

D. None

Ans: B

30. Which of the following .NET components can be used to remove unused references from the managed heap?

A. Class Loader

B. Garbage Collector

C. CTS

D. CLR

Ans: B

31. Every class directly or indirectly extends the\_\_\_\_\_\_class.

A. System

B. Object

C. Drawing

D. Console

Ans: b

32.NET Framework Is An Internal \_\_\_\_\_ Component That Supports The Execution Of Applications Created By Using Various Programming Languages.

1. Internet
2. Windows
3. Hardware
4. language

Ans. Option B

33.What Is CLR?

1. Common language runtime
2. Compiler language runtime
3. Compiler library runtime
4. Common library runtime

Ans. Option A

34. Which Is The Following Is Not A Component Of The CLR?

1. Class loader
2. Garbage collector
3. .NET Framework
4. JIT Compiler

Ans. Option C

35. Which Of The Following Provides Automatic Memory Management And Resolves The Issue Of Memory Leaks And Invalid Memory References

1. Security engine
2. Garbage collector
3. JIT compiler
4. Debugger

Ans. Option B

36. What Is CTS?

1. Common type specification
2. Common type-safe
3. Compiler type structure
4. Common type system

Ans. Option D

37. What Is CLS?

1. Compiler library specification
2. Common library specification
3. Compiler language specification
4. Common language specification

Ans. Option D

38. What Is DLL

1. Dynamic-link language
2. Direct link language
3. Dynamic-link library
4. Direct link library

Ans. Option C

39. Which Of The Following Namespace Provides The Classes That Allow You To Debug Your Application Step By Step?

1. System
2. System .Diagnostics
3. System.Object
4. System.Security

Ans. Option B

40. What Is GAC?

1. Garbage collector
2. Global assembly collector
3. Global access cache
4. Global assembly cache

Ans. Option D

41. What Is COM?

1. Component object model
2. Common object model
3. Computer oriented model
4. Common oriented model

Ans. Option A

42.If a namespace is present in a library then which of the following is the correct way to use the elements of the namespace?

A. Add Reference of the namespace.Use the elements of the namespace.

B. Add Reference of the namespace.Import the namespace.Use the elements of the namespace.

C. Import the namespace.Use the elements of the namespace.

D. Copy the library in the same directory as the project that is trying to use it.Use the elements of the namespace.

Answer: Option B

43. Which of the following is NOT a namespace in the .NET Framework Class Library?

A. System.Process

B. System.Security

C. System.Threading

D. System.Drawing

Answer: Option A

44. Which of the following statements is correct about a namespace in C#.NET?

A. Namespaces help us to control the visibility of the elements present in it.

B. A namespace can contain a class but not another namespace.

C. If not mentioned, then the name 'root' gets assigned to the namespace.

D. It is necessary to use the using statement to be able to use an element of a namespace.

Answer: Option A

45. Which of the followings are NOT a .NET namespace?

1. System.Web
2. System.Process
3. System.Data
4. System.Drawing2D
5. System.Drawing3D

A. 1, 3

B. 2, 4, 5

C. 3, 5

D. 1, 2, 3

Answer: Option B

46.Which of the following statements is correct about namespaces in C#.NET?

A. Namespaces can be nested only up to level 5.

B. A namespace cannot be nested.

C. There is no limit on the number of levels while nesting namespaces.

D. If namespaces are nested, then it is necessary to use using statement while using the elements of the inner namespace.

Answer: Option C

47. Which of the following CANNOT belong to a C#.NET Namespace?

A. class

B. struct

C. enum

D. Data

E. interface

Answer: Option D

48. Which of the following statements is correct about a namespace used in C#.NET?

A. Nested namespaces are not allowed.

B. Importing outer namespace imports inner namespace.

C. Nested namespaces are allowed.

D. If nested, the namespaces cannot be split across files.

Answer: Option C

49. The global assembly cache:

1. Can store two dll files with the same name
2. Can store two dll files with the same name, but different version
3. Can store two dll files with the same name and same version
4. Cannot store dll files with the same name

Answer: Option B

50. Which of the following statements is correct with regard to .NET framework managed web pages?

* 1. They interact directly with the runtime
  2. They do not execute in the native code language
  3. They are interpreted and scripted
  4. All of the above

Answer: Option D

Q. No.51

ICollection is a generic interface that represents a non-generic collection of objects.

Which of the following statements about Action, Func, and Predicate delegates in C# is true?

1. Action is a delegate used for methods that do not return a value, Func is used for methods that return a value, and Predicate is used for methods that perform a condition check.
2. Action, Func, and Predicate are all delegates used for methods that do not return a value.
3. Action is a delegate used for methods that return a value, Func is used for methods that perform a condition check, and Predicate is used for methods that do not return a value.
4. Action, Func, and Predicate are all delegates used for methods that return a value.

Answer: A) Action is a delegate used for methods that do not return a value, Func is used for methods that return a value, and Predicate is used for methods that perform a condition check.

Q. No.52

Which of the following statements about anonymous methods in C# is true?

1. Anonymous methods can only be used in event handlers.
2. Anonymous methods are defined using the anonymous keyword.
3. Anonymous methods can capture variables from the surrounding scope.
4. Anonymous methods can be directly invoked without being assigned to a delegate.

Answer: C) Anonymous methods can capture variables from the surrounding scope.

Q. No.53

Which of the following keywords is used to handle exceptions in C#?

1. try
2. catch
3. throw
4. All of the above

Answer: D) All of the above

Q. No.54

What is the use of of the finally block in a try-catch-finally statement in C#?

1. To catch and handle exceptions.
2. To specify the code that should always execute, regardless of whether an exception occurs or not.
3. To explicitly throw an exception.
4. To specify the code that should only execute if an exception occurs.

Answer: B) To specify the code that should always execute, regardless of whether an exception occurs or not.

Q No 55

Which of the following statements about extension methods and partial in C# is true?

1. Extension methods allow adding new members to existing types, while partial allows splitting a class definition across multiple files.
2. Extension methods allow splitting a class definition across multiple files, while partial allows adding new members to existing types.
3. Extension methods and partial are the same concept in C# and can be used interchangeably.
4. Extension methods and partial are unrelated concepts in C#.

Answer: A) Extension methods allow adding new members to existing types, while partial allows splitting a class definition across multiple files.

Q No 56

Which of the following statements about LINQ (Language-Integrated Query) in C# is true?

1. LINQ is a programming language used for querying databases only.
2. LINQ is a feature that allows querying and manipulating data from different data sources using a common syntax.
3. LINQ is a database management system specifically designed for C# applications.
4. LINQ is a framework used for creating graphical user interfaces in C#.

Answer: B) LINQ is a feature that allows querying and manipulating data from different data sources using a common syntax.

Q No 57

What is Reflection in C# used for?

1. To manipulate strings and perform text processing.
2. To dynamically load and examine types at runtime.
3. To perform mathematical calculations and operations.
4. To handle errors and exceptions in C# applications.

Answer: B) To dynamically load and examine types at runtime.

Q No 58

Which of the following tasks can be performed using Reflection in C#?

1. Retrieving information about the methods and properties of a class.
2. Creating new instances of classes dynamically.
3. Invoking methods and accessing properties of objects at runtime.
4. All of the above.

Answer: D) All of the above.

Q No 59

Which of the following classes is commonly used for working with threads in C#?

1. Thread
2. Task
3. ThreadPool
4. All of the above

Answer: D. All of the above

Q No 60

Which of the following statements about Task in C# is true?

1. Task is a class that represents an asynchronous operation that may return a result.
2. Task is a struct that represents a synchronous operation that does not return a result.
3. Task is a generic class that represents an asynchronous operation that may return a result.
4. Task is an interface that represents a synchronous operation that does not return a result.

Answer: C) Task is a generic class that represents an asynchronous operation that may return a result.

Q No 61

What does MVC stand for in ASP.NET Core MVC?

1. Model-View-Component
2. Model-View-Controller
3. Model-View-Client
4. Model-View-Configuration

Answer: B) Model-View-Controller

Q No 62

Which component of MVC in ASP.NET Core handles user interactions and processes incoming requests?

1. Model
2. View
3. Controller
4. Middleware

Answer: C) Controller

Q No 63

In ASP.NET Core MVC, which attribute is used to specify the routing information for an action method?

1. [Route]
2. [HttpGet]
3. [HttpPost]
4. [ActionName]

Answer: A) [Route]

Q No 64

What is the use of the Razor syntax in ASP.NET Core MVC?

1. To define routes for the application.
2. To create and render HTML views.
3. To define database models and data access logic.
4. To handle HTTP requests and responses.

Answer: B) To create and render HTML views.

Q No 65

Which file extension is typically used for Razor views in ASP.NET Core MVC?

1. .cshtml
2. .html
3. .razor
4. .mvc

Answer: A) .cshtml

Q No 66

What is the use of the IActionResult interface in ASP.NET Core MVC?

1. To define database models and data access logic.
2. To handle HTTP requests and responses.
3. To define routes for the application.
4. To create and render HTML views.

Answer: B) To handle HTTP requests and responses.

Q No 67

In ASP.NET Core MVC, what is the purpose of the [ValidateAntiForgeryToken] attribute?

1. It ensures that the form data is securely transmitted over HTTPS.
2. It validates the authenticity of form submissions to prevent cross-site request forgery (CSRF) attacks.
3. It enforces input validation rules on form fields to prevent client-side attacks.
4. It verifies the integrity of the server's response to prevent tampering.

Answer: B) It validates the authenticity of form submissions to prevent cross-site request forgery (CSRF) attacks.

Q No 68

Which middleware is responsible for handling authentication in an ASP.NET Core MVC application?

1. StaticFiles
2. Mvc
3. Authentication
4. Routing

Answer: C) Authentication

Q No 69

Which of the following is a valid way to pass data from a controller to a view in ASP.NET Core MVC?

1. ViewBag
2. ViewData
3. TempData
4. All of the above

Answer: D) All of the above

Q No 70

What is the purpose of the [AllowAnonymous] attribute in ASP.NET Core MVC?

1. It allows anonymous access to a controller action that is otherwise restricted.
2. It enforces authorization checks for a controller action based on user roles and permissions.
3. It specifies that a controller action should only be invoked for unauthenticated users.
4. It configures output caching for a controller action's response.

Answer: A) It allows anonymous access to a controller action that is otherwise restricted.

Q No 71

What is the purpose of the IActionResult interface in ASP.NET Core MVC?

1. It defines the structure and behavior of model classes used in the application.
2. It represents the result of a controller action, which can be an HTTP response or a view.
3. It handles the validation of form inputs in an MVC application.
4. It configures the routing behavior for a controller action.

Answer: B) It represents the result of a controller action, which can be an HTTP response or a view.

Q No 72

Which of the following is a valid approach to customize the routing behavior in ASP.NET Core MVC?

1. Attribute routing
2. Convention-based routing
3. Centralized routing configuration
4. All of the above

Answer: D) All of the above

Q No 73

Which approach in Entity Framework allows developers to generate database schema from the model classes?

1. Model First
2. Database First
3. Mapping First
4. Code First

Answer: D) Code First.

Q No 74

What is a DbContext in Entity Framework?

1. An object that manages the entity objects and the underlying database connection
2. A base class for all model classes in Entity Framework
3. A class that represents a database table
4. An object that represents a database connection only

Answer: A. An object that manages the entity objects and the underlying database connection.

Q No 75

What does the Acronym REST stand for?

1. Represent State Transfer
2. Representational State Transfer
3. Represent State Transform
4. Representational State Transform

Answer: B) Representational State Transfer

Q No 76

Which of the following HTTP status codes indicates a successful response in ASP.NET Core Web API?

1. 200 (OK)
2. 401 (Unauthorized)
3. 404 (Not Found)
4. 500 (Internal Server Error)

Answer: A) 200 (OK)

Q1.Which of the following statements is correct about Managed Code?

A.Managed code is the code that is compiled by the JIT compilers.

B.Managed code is the code where resources are Garbage Collected.

C.Managed code is the code that runs on top of Windows.

D.Managed code is the code that is written to target the services of the CLR.

Answer: Option D

Q2.Which of the following components of the .NET framework provide an extensible set of classes that can be used by any .NET compliant programming language?

A..NET class libraries

B.Common Language Runtime

C.Common Language Infrastructure

D.Component Object Model

Answer: Option A

Q3.Which of the following .NET components can be used to remove unused references from the managed heap?

A.Common Language Infrastructure

B.CLR

C.Garbage Collector

D.Class Loader

Answer: Option C

Q4.Which of the following is the root of the .NET type hierarchy?

A.System.Object

B.System.Type

C.System.Base

D.System.Parent

Answer: Option A

Q5. SOAP stands for \_\_\_\_\_\_\_\_\_\_.

A. Simple Object Access Program

B. Simple Object Access Protocol

C. Simple Object Application Protocol

D. Simple Object Account Protocol

Ans: B

Q 6: All C# applications begin execution by calling the \_\_\_\_\_ method.

A. Class()

B. Main()

C. Submain()

D. Namespace

Ans B

Q7. A \_\_\_\_\_\_\_ is an identifier that denotes a storage location.

A. Constant

B. Reference type

C. Variable

D. Object

Ans C

Q8: The controls available in the tool box of the \_\_\_\_\_\_ are used to create the user interface of a web based application.

A. Microsoft visual studio IDE

B. Application window

C. Web forms

D. None of the above

Ans A

Q9. Which of the following can be used to terminate a while loop and transfer control outside the loop?

1. exit while
2. continue
3. exit statement
4. break
5. goto

A. 1, 3

B. 2, 4

C. 3, 5

D. 4, 5

Answer: Option D

Q10. C# doesnot support

A. abstraction

B. polymorphism

C. multiple inheritance

D. inheritance

Ans C

Q11. Which of the following is an 8-byte Integer?

A. Char

B. Long

C. Short

D. Byte

Answer: Option B

Q12. Which of the following is NOT an Integer?

A. Char

B. Byte

C. Integer

D. Short

Answer: Option A

Q13. Which of the following are value types?

1. Integer
2. Array
3. Single
4. String
5. Long

A. 1, 2, 5

B. 1, 3, 5

C. 2, 4

D. 3, 5

Answer: Option B

Q14. Exception objects are derived from the class.

A. Try

B. Catch

C. Exception

D. Event

Ans c

Q15. A\_\_\_\_block enclose the code that could throw an exception.

A. Try

B. Catch

C. Exception

D. Error

Ans A

**Level: Medium**

Q1.Which of the following statements are TRUE about the .NET CLR?

1. It provides a language-neutral development & execution environment.
2. It ensures that an application would not be able to access memory that it is not authorized to access.
3. It provides services to run "managed" applications.
4. The resources are garbage collected.
5. It provides services to run "unmanaged" applications.

A.Only 1 and 2

B.Only 1, 2 and 4

C.1, 2, 3, 4

D.Only 4 and 5

Answer: Option C

Q2.Which of the following are NOT true about .NET Framework?

1. It provides a consistent object-oriented programming environment whether object code is stored and executed locally, executed locally but Internet-distributed, or executed remotely.
2. It provides a code-execution environment that minimizes software deployment and versioning conflicts.
3. It provides a code-execution environment that promotes safe execution of code, including code created by an unknown or semi-trusted third party.
4. It provides different programming models for Windows-based applications and Web-based applications.
5. It provides an event driven programming model for building Windows Device Drivers.

A.1, 2

B.2, 4

C.4, 5

D.1, 2, 4

Answer: Option C

Q3.Which of the following jobs are NOT performed by Garbage Collector?

1. Freeing memory on the stack.
2. Avoiding memory leaks.
3. Freeing memory occupied by unreferenced objects.
4. Closing unclosed database collections.
5. Closing unclosed files.

A.1, 2, 3

B.3, 5

C.1, 4, 5

D.3, 4

Answer: Option C

Q4: Arrays in C# are \_\_\_\_\_\_ objects.

A. Reference

B. Logical

C. Value

D. Arithmetic

Ans A

Q5: Multidimensional arrays are sometimes called \_\_\_\_\_\_\_ Arrays.

A. Square

B. Triangular

C. Rectangular

D. Cube

Ans C

Q6: A structure in C# provides a unique way of packing together data of \_\_\_\_\_\_ types.

A. Different

B. Same

C. Invoking

D. Calling

Ans A

Q7: Struct’s data members are \_\_\_\_\_\_\_\_\_\_\_\_ by default.

A. Protected

B. Public

C. Private

D. Default

Ans C

Q8: The methods that have the same name, but different parameter lists and different definitions is called\_\_\_\_\_\_.

A. Method Overloading

B. Method Overriding

C. Method Overwriting

D. Method Overreading

Ans A

Q9: The theory of \_\_\_\_\_ implies that user can control the access to a class, method, or variable.

A. Data hiding

B. Encapsulation

C. Information Hiding

D. Polymorphism

Ans B

Q10. C# treats the multiple catch statements like cases in a \_\_\_\_\_\_\_\_\_\_\_\_\_ statement.

A. If

B. Switch

C. For

D. While

Ans B

Q11. Which of the following statements is correct?

A. It is not possible to extend the if statement to handle multiple conditions using the else-if arrangement.

B. The switch statement can include any number of case instances with two case statements having the same value.

C. A jump statement such as a break is required after each case block excluding the last block if it is a default statement.

D. The if statement selects a statement for execution based on the value of a Boolean expression.

Answer: Option D

Q12. Your company uses Visual Studio.NET 2005 as its application development platform. You are developing an application using the .NET Framework 2.0. You are required to use a datatype that will store only numbers ranging from -32,768 to 32,767. Which of the following datatypes will you use to accomplish the task

A. short

B. System.Int16

C. string

D. A and B

Ans D

Q13. Which of the following are not types of arrays in C#

A. Single-Dimensional

B. Multidimensional

C. Jazzed arrays

D. Jagged arrays

Ans C

Q14. Two methods with the same name but with different parameters.

A. Overloading

B. Multiplexing

C. Duplexing

D. Loading

Ans A

Q15: What is the proper header for a class that intends to use an interface.

A. class MyClass IFace

B. class MyClass ; IFace

C. class MyClass IFace

D. class MyCalss {IFace}

Ans c

Q16. Every class directly or indirectly extends the\_\_\_\_\_\_class.

A. System

B. Object

C. Drawing

D. Console

Ans b

Q17. To output the value of multidimensional array in C#, Console.WriteLines(\_\_\_)

A. myArray[1][3];

B. myArray[1.3];

C. myArray{1}{3};

D. myArray(1),(3);

Ans a

Q18. An abstract class

A. may contain instance variables

B. may contain constructors

C. may extend another class

D. all of the above

Ans D

Q19. What will be the output of the following code snippet when it is executed?

int x = 1;

float y = 1.1f;

short z = 1;

Console.WriteLine((float) x + y \* z - (x += (short) y));

A. 0.1

B. 1.0

C. 1.1

D. 11

Answer: Option A

Q20. Which of the following statements is correct about Bitwise | operator used in C#.NET?

A.The | operator can be used to put OFF a bit.

B.The | operator can be used to Invert a bit.

C.The | operator can be used to check whether a bit is ON.

D. The | operator can be used to put ON a bit

Ans: D

Q1. Which of the following statements are correct about a .NET Assembly?

1. It is the smallest deployable unit.
2. Each assembly has only one entry point - Main(), WinMain() or DLLMain().
3. An assembly can be a Shared assembly or a Private assembly.
4. An assembly can contain only code and data.
5. An assembly is always in the form of an EXE file.

A.1, 2, 3

B.2, 4, 5

C.1, 3, 5

D.1, 2

Answer: Option A

Q2: Boxing converts a value type on the stack to an \_\_\_\_\_\_ on the heap.

A. Bool type

B. Instance type

C. Class type

D. Object type

Ans D

Q3: \_\_\_\_\_\_ parameters are used to pass results back to the calling method.

A. Input

B. Reference

C. Value

D. Output

Ans D

Q4: A \_\_\_\_\_\_\_ creates an object by copying variables from another object.

A. Copy constructor

B. Default constructor

C. Invoking constructor

D. Calling constructor

Ans A

Q5: Inheritance is \_\_\_\_\_\_ in nature.

A. Commutative

B. Associative

C. Transitive

D. Iterative

Ans C

Q6: The point at which an exception is thrown is called the \_\_\_\_\_\_\_.

A. Default point

B. Invoking point

C. Calling point

D. Throw point

Ans D

Q7: In C#, having unreachable code is always an \_\_\_\_\_.

A. Method

B. Function

C. Error

D. Iterative

Ans C

Q8: C# supports a technique known as\_\_\_\_\_\_\_\_, which allows a method to specify explicitly the name of the interface it is implementing.

A. Method Implementaion

B. Implicit Interface Implementation

C. Explicit Interface Implementation

D. Iterative Interface Implementation

Ans C

Q9: The reason that C# does not support multiple inheritances is because of \_\_\_\_\_\_.

A. Method collision

B. Name collision

C. Function collision

D. Interface collision

Ans B

Q10.\_\_\_\_\_\_\_ methods are not supported for dynamic types.

A.Anonymous

B.Static

C.Abstract

D.Extension

Ans D

Q11.\_\_\_\_\_\_\_\_\_parameters allows you to give a method parameter a default value so that you do not have to specify it every time you call the method.

A.optional

B.named

C.out

D.ref

Ans A

Q12. Duck typing is implemented by using\_\_\_\_\_\_\_\_\_ keyword.

A.dynamic

B.object

C.ref

D.base

Ans A

Q13. Which of the following statements is correct about the C#.NET program given below

namespace PskillsConsoleApplication

{

class Baseclass

{

int i;

public Baseclass(int ii)

{ i = ii;

Console.Write(Base );

}

}

class Derived Baseclass

{

public Derived(int ii) base(ii)

{ Console.Write(Derived );

}

}

class MyProgram

{ static void Main(string[ ] args)

{

Derived d = new Derived(10); }

}

}

A. The program will report an error in the statement base(ii).

B. The program will work correctly if we replace base(ii) with base.Baseclass(ii).

C. The program will output Base Derived

D. The program will work correctly only if we implement zero-argument constructors in Baseclass as well as Derived class.

Ans C

Q14. In order for a class to use an interface, it must

A. inherit the properties of the interface

B. contain the same methods as the interface

C. create an interface objects

D. all of the above

Ans D

Q15. What will be the output of the C#.NET code snippet given below?

int num = 1, z = 5;

if (!(num <= 0))

Console.WriteLine( ++num + z++ + " " + ++z );

else

Console.WriteLine( --num + z-- + " " + --z );

A.5 6

B.6 5

C.6 6

D.7 7

Answer: Option D