

MS.NET – Multiple Choice questions with Answers

Q1: ASP.NET separates the HTML output from program logic using a feature named as

- a) Exception
- b) Code-behind**
- c) Code-front
- d) None of the above

Q2: If a developer of ASP.NET defines style information in a common location. Then that location is called as

- a) Master Page
- b) Theme**
- c) Customization
- d) None of the Above

Q3: Which of the following is true about session in ASP.NET?

- a) Programmers has to take care of delete sessions after configurable timeout interval
- b) ASP.NET automatically delete sessions after configurable timeout interval**
- c) The default time interval is 5 minutes
- d) None of the Above

Q4: When a .aspx page is requested from the web server, the out put will be rendered to browser in following format.

- a) HTML**
- b) XML
- c) WML
- d) WSDL

Q5: What files get created when we build an ASP.Net application?

- a) . DLL
- b) . EXE
- c) . COM
- d). Both a and b**

Q6: <asp:dropdownlist> tag replaces which of the HTML tags

- a) < Option >
- b) < Select >
- c) < List >
- d) None

Q7: The first event to be triggered in an aspx page is

- a) Page_Load()
- b) Page_Init()
- c) Page_click()
- d) Page_Preinit()

Q8: what namespace does the Web page belong in the .NET Framework class hierarchy?

- a) System.web.UI.Page
- b) System.Windows.Page
- c) System.Web.page
- d) System.Configuration.Web

Q9: How many configuration files can an ASP.NET projects have?

- a) More Than One
- b) One
- c) None
- d) Only Two

Q10: Why Global.asax is used

- a) Implement application and session level events
- b) Declare Global variables
- c) Implement View State
- d) Implement Global file handling

Q11: Select the validation control used for "PatternMatching"

- a) FieldValidator
- b) RegularExpressionValidator
- c) RangeValidator
- d) PatternValidator

Q12: Which control supports paging?

- a) Repeater

b) Listview

- c) Both
- d) None

Q13: Which method do you invoke on the DataAdapter control to load your generated dataset with data?

a) Load

b) Fill

- c) GetAll
- d) None

Q14: How do we Delete, Update, Select data in a Dataset

a) Using SqlDataAdapter

- b) Using SqlDataReader
- c) Using SqlCommand
- d) None

Q15: In C#, all binary operators are _____.

- A. Center-associative
- B. Right-associative
- C. Left-associative**
- D. Top-associative

Q16: 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

Q17: 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

Q18: 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

Q19: Which of the following is a value types?

- A. Integer
- B. Array
- C. String
- D. Interface

Q20: 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;

Q21: 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

Q22: 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

Q23: What data types do a Rangevalidator supports

- A. Integer
- B. String
- C. Date
- D. All of the above

Q24: Attribute that must be set on a validator control for the validation to work.

- A. ControlToValidate
- B. ControlToBind
- C. ValidateControl
- D. Validate

Q25: The data members of a class by default are -----.

- A. protected, public
- B. private, public
- C. Private
- D. Public

Q26: What object can help you maintain data across users?

- A. Session object
- B. Application Object
- C. Server Object
- D. Response Object

Q27: A class that cannot be inherited is what type of class?

- A. Sealed
- B. Static
- C. Gather
- D. Construct

Q28: 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

Q29: 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.30 How can we get the number of records or rows in a table?

- A. Using COUNT
- B. Using NUM
- C. Using NUMBER
- D. Both a and c above

Q. 31 Can we define multiple unique constraints on a table?

- A. Yes
- B. No
- C. Sometimes
- D. Not Possible if contains null

Q32: Which of the following objects represents a LINQ to SQL O/R map?

- A. DataSet
- B. XElement
- C.ObjectContext
- D. DataContext

Q.33 Which is the default order of sort in ORDER BY clause?

- A. Ascending
- B. Descending

Q. 34 To eliminate duplicate rows is used

- A) NODUPLICATE
- B) ELIMINATE
- C) DISTINCT
- D) None of these

Q. 35 DCL stands for

- A) Data Control Language
- B) Data Console Language
- C) Data Console Level
- D) Data Control Level

Q.36 Drop Table cannot be used to drop a table referenced by a constraint.

- A) Local Key
- B) Primary Key
- C) Composite Key
- D) Foreign Key

Q. 37 On executing DELETE command, if you get an error "foreign key constraint"- what does it imply?

- A. Foreign key not defined
- B. Table is empty
- C. Connectivity issue
- D. Data is present in the other table

Q.38 Which of the following is/are the DDL statements?

- A) Create
- B) Drop
- C) Alter
- D) All of the above

Q. 39 _____ is free database software running free SQL Server technology.

- A) SQL Server Express
- B) SQL Server Workgroup
- C) SQL Server Enterprise
- D) SQL Server Web

Q40: 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.

Q41: 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.

Q42: 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

Q43: 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

Q44: 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.

Q45: Which of the following is the root of the .NET type hierarchy?

- A. **System.Object**
- B. System.Type
- C. System.Base
- D. System.Parent

Q46: 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.

Q47: 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

Q48: 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

Q49: Which of the following statements are correct?

- 1. Data members of a 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

Q50: 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.

Q51: Which Controls display only a single record in a time?

- A. GridView Control
- B. ListView Control
- C. FormView Control
- D. DataList Control

Q52: Client side state management includes

- A. Session
- B. Application
- C. Hidden field
- D. Cache

Q53: What is the difference between 'callback' and 'postback' ?

1. A Callback occurs when the data (the whole page) on the page is posted from the client to the server..ie the data is posted-back to the server, and thus the page is refreshed (redrawn)...think of it as 'sending the server the whole page (asp.net) full of
2. A Postback occurs when the data (the whole page) on the page is posted from the client to the server..ie the data is posted-back to the server, and thus the page is refreshed (redrawn)...think of it as 'sending the server the whole page (asp.net) full of

3. On the other hand, a Postback is also a special kind of postback, but it is just a quick round-trip to the server to get a small set of data (normally), and thus the page is not refreshed, unlike with the postback...think of it as 'calling the server, and
4. On the other hand, a callback is also a special kind of postback, but it is just a quick round-trip to the server to get a small set of data (normally), and thus the page is not refreshed, unlike with the postback...think of it as 'calling the server, and

A. 1 & 3

B. 2 & 4

C. 1 & 4

D. 2 & 3

Q54: MapPath is an ASP _____ object method.

A. session

B. request

C. server

D. response

Q55: All the methods of a webservice class to be used by the clients on internet must be marked as _____ attribute.

A. WebService

B. WebMethod

C. Optional

D. None

Q56: Which event is used to programatically apply master page or theme?

A. Init

B. Load

C. PreInit

D. Unload

Q57: What is the functionality of Page_Init event of web page?

1. This event occurs when all objects/controls on the page are created and will be available for use.
2. This event performs initialization steps that we need to setup or create instances of server controls.
3. This event is loaded every time when the page is posted back.
4. This event occurs only once when page is loaded.

B. 1 & 3

- C. 2 & 4
- D. 1 & 4
- E. 2& 3

Q58: Which options are correct about Viewstate

- A. ViewState allows the state of objects (serializable) to be stored in a hidden field on the page.
- B. ViewState is transported to the client and back to the server, and is not stored on the server or any other external source
- C. ViewState is used to retain the state of server-side objects between postbacks
- D. All the above

Q59: Where can files be placed if they need to be accessed throughout a ASP.NET web site

- A. App_Data folder
- B. App_Code folder
- C. Bin folder
- D. None of the above

Q60. Can a functioning event be present in a code sample without a related delegate and the other way around?

- A. An event can be coded without a delegate but a delegate cannot be used without an event
- B. An event cannot be coded without a delegate but a delegate can be used without an event
- C. An event and a delegate are completely different things and don't relate to each other in the code
- D. An event and a delegate always go together i.e. where one is present, the other is present as well

Q61: ASP.NET uses ____ to maintain state of controls across the consecutive round trips to the server.

- A. Session State
- B. View State
- C. Cache
- D. JavaScript

Q62: If cookies are not enabled at browser end does form Authentication work?

- A. Yes ,It does
- B. No, it does not work.
- C. Depends on browser
- D. Some times

Q.63. How can you open a link in a new tab/browser window?

- A. ``
- B. ``
- C. ``
- D. None

Q64: How many web.config files allowed for asp.net web application?

- A. one
- B. one per folder
- C. two
- D. none

Q65: I have a gridview displaying customer details like name, Shipping address, contact, orders placed etc. The gridview also has a functionality of editing and deleting records. The edit /delete functionality is provided by using sql Datasource Edit and Delete commands. Before deleting a gridview row, I want to display a message to the user asking him whether he really wants to delete a particular row. Which gridview event should be used in this case to write a code in.

- A. GridView.OnRowDeleted
- B. GridView.OnRowDeleting
- C. GridView.OnRowUpdated
- D. GridView.OnRowUpdating

Q66: You are developing a Web form to display the weather information. When the user requests the Web form, the form needs to do some initializations that will change the appearance of the form and assign values to some controls. Where should you put the code.

- A. In the InitializeComponent() method
- B. In the event handler for the Load event of the page
- C. In the event handler for the Init event of the page
- D. In the event handler for the PreRender event of the page

Q67: In asp.net which validation control allows users to write a method to handle the validation entered of the value entered

- A. RequiredFieldValidator
- B. RangeValidator
- C. CompareValidator
- D. CustomValidator

Q68: Impersonation is used to overcome the restricted permissions to access? which of the following resources

- A. network resources**
- B. browser resources
- C. server resources
- D. client resources

Q69. Whats the significance of Request.MapPath()

- A. Maps the specified virtual path to a physical path**
- B. Maps the specified absolute path to virtual path
- C. Both 1 and 2
- D. None

Q70: The public methods and properties of a master page can be accessed in a content page by assigning a class name to the master page. Which directive can be used to assign a class name to the master page?

- A. <%@ Control %>
- B. <%@ Master %>**
- C. <%@ MasterType %>
- D. <%@ Page %>

Q71: In Which Page Cycle All Controls Are Fully Loaded?

- A. Page_Load()**
- B. Page_Init()
- C. Page_Render()
- D. Page_Unload()

Q72: After capturing the SelectedIndexChanged event for a ListBox control, you find that the event handler doesn't execute. What could the problem be ?

- A. The AutoEventWireup attribute is set to False
- B. The AutoPostBack attribute is set to False**
- C. The codebehind module is not properly compiled
- D. The ListBox must be defined WithEvents

Q73: What is the difference between Autopostback and IsPostBack ?

1. Both are properties of a page
2. Both are properties of a control

3. Autopostback is a property of control and IsPostBack is property of a Page

4. Autopostback gets and sets value but IsPostBack only gets value

A. 1 & 2

B. 2 & 4

C. 1 & 3

D. 3 & 4

Q74: What is default time of expire session?

A. 20 minute

B. 35 minute

C. 60 minute

D. 1200 milliseconds

Q75: Which event fires on application shutdown?

A. Page_Unload(object sender,EventArgs e)

B. Page_LoadComplete(object sender,EventArgs e)

C. Session_End(object sender,EventArgs e)

D. Application_End(object sender, EventArgs e)

Q76: What is the correct HTML for making a drop-down list?

A. <select>

B. <list>

C. <input type="dropdown">

D. <input type="list">

Q77: Which of the following is a correct sequence of events of the ASP page lifecycle?

A. page_Init,Page_Prerender,PageUnload,ContolEvent,Page_Load

B. page_Init,Page_Unload,ContolEvent,Page_Load,Page_Prerender

C. Page_PreRender,page_Init,Page_Unload,ContolEvent,Page_Load

D. page_Init,Page_Load,ContolEvent,Page_PreRender,Page_Unload

Q78. 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

Q79: 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

Q80: SOAP stands for _____.

- A. Simple Object Access Program
- B. Simple Object Access Protocol**
- C. Simple Object Application Protocol
- D. Simple Object Account Protocol

Q. 81

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

Answer Choices

- A. Base Class Library (BCL)**
- B. Common Class Library (CCL)
- C. Global Class Library (GCL)

D. Public Class Library (PCL)

Correct Answer: A

Q. 82

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

- A. JIT
- B. FCL
- C. DML
- D. MSIL

Correct Answer: D

Q. No.83

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

- i) Thread Support
- ii) Cross-language Integration
- iii) Interoperability

Answer Choices

- A. i and ii only
- B. ii and iii only
- C. i and iii only
- D. All i, ii and iii

Correct Answer: D

Q. No. 84

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

Answer Choices

- A. garbage collector
- B. type checker
- C. code manager
- D. memory manager

Correct Answer: A

Q. No.85

Which of the following is a reference type?

Answer Choices

- A. enum
- B. struct
- C. char
- D. class

Correct Answer: D

Q. No. 86

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

Answer Choices

- A. system.collection
- B. system
- C. system.data
- D. system.drawing

Correct Answer: A

Q. No.87

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

Answer Choices

- A. Unmanaged
- B. Distributed
- C. Legacy
- D. Managed Code

Correct Answer: D

Q. No. 88

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.89

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

Answer Choices

- A. Protected
- B. Private
- C. Public
- D. Internal

Correct Answer: D

Q. No. 90

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

Answer Choices

- A. Sealed
- B. Abstract
- C. Partial
- D. Virtual

Correct Answer: B

Q. No.91

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

Answer Choices

- A. string
- B. enum
- C. struct
- D. array

Correct Answer: B

Q. No. 92

Wrapping up of data with its properties is called _____.

Answer Choices

- A. Inheritance
- B. Polymorphism
- C. Abstraction.
- D. Encapsulation

Correct Answer: D

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

- A. arr.Capacity
- B. arr.Count
- C. arr.MaxIndex
- D. arr.UpperBound

Correct Answer: B

Q. No. 100

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

Answer Choices

- A. List
- B. Dictionary
- C. Queue
- D. Stack

Correct Answer: B

Q. No.101

To implement delegates, the necessary condition is?

Answer Choices

- A. Class declaration
- B. inheritance
- C. runtime polymorphism
- D. Exceptions

Correct Answer: A

Q. No.102

Choose the incorrect statement among the following about the delegate?

Answer Choices

- A. delegates are of reference types
- B. delegates are object oriented
- C. delegates are type safe
- D. 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

A. System.ApplicationException

B. System.SystemException

C. System.IO.IOException

D. 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

A. DataSet

B. XElement

C.ObjectContext

D. DataContext

Correct Answer: D

Q. No. 106

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

Answer Choices

A. System.Text

B. System.Collections.Generic

C. System.Linq

D. None of the mentioned

Correct Answer: C

Q. No.107

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

Answer Choices

A. class

B. struct

C. enum

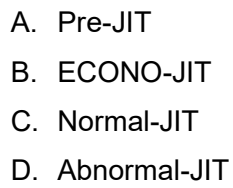
D. data

Correct Answer: D

Q. No. 108

Which of the following is not JIT compiler type?

Answer Choices

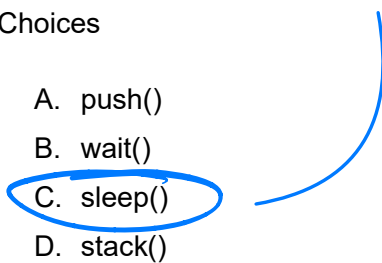
- A. Pre-JIT
 - B. ECONO-JIT
 - C. Normal-JIT
 - D. Abnormal-JIT
- 

Correct Answer: D

Q. No.109

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

Answer Choices


- A. push()
 - B. wait()
 - C. sleep()
 - D. stack()
- 

Correct Answer: C

Q. No. 110

What is name of the namespace which supports multithreading programming?

Answer Choices

- A. System.net
 - B. System.Linq
 - C. System.Threading
 - D. 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

- A. Master Page/Layout Page
- B. Theme
- C. Customization
- D. None of the Above

Correct Answer: A

Q. No.112

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

Answer Choices

- A. < Option >
- B. < Select >
- C. < List >
- D. None

Correct Answer: B

Q. No. 113

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

Answer Choices

- A. System.Web.Mvc
- B. System.Windows.Page
- C. System.Web.page
- D. 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

- A. Load
- B. Fill
- C. GetAll
- D. None

Correct Answer: B

Q. No. 115

Which of the following are the Filters in MVC?

Answer Choices

- A. Result Filters
- B. Exception Filters
- C. Both A and B
- D. None

Correct Answer: C

Q. No. 116

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

Answer Choices

- A. .cshtml

- B. .vbhtml
- C. Both A & B
- D. None

Correct Answer: A

Q. No.117

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

Answer Choices

- A. _ViewStart.cshtml
- B. B_Login.cshtml
- C. _Layout.cshtml
- D. None

Correct Answer: A

Q. No. 118

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

Answer Choices

- A. Data-access layer
- B. Business-logic layer
- C. Presentation layer
- D. Interface layer

B.C
View.

Correct Answer: B

Q. No.119

What is strongly typed view in MVC?

Answer Choices

- A. view created with the model class
- B. view having the same name as the class
- C. view created with strong keyword
- D. view created with a controller class

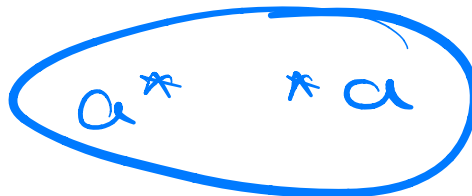
Correct Answer: A

Q. No. 120

How can you comment using Razor Syntax?

Answer Choices

- A. *@ Comment me *@
- B. @* Comment me *@
- C. @* Comment me @*
- D. *@ Comment me @*



Correct Answer: B

Difficulty Level: Easy

Q. No.121

Which attributes can be used for data validation in MVC.

Answer Choices

A. DataAnnotations

B. Fluent API

C. DataModel

D. HtmlHelper

Correct Answer: A

Q. No. 122

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

Answer Choices

A. @

B. <%= %>

C. Both A & B

D. None

Correct Answer: A

aspx view engine.
client side.
HTML
return

Q. No. 123

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

Answer Choices

A. <select>

B. <list>

C. <input type="dropdown">

D. <input type="list">

Correct Answer: A

Q. No. 124

MVC is composed of three components. These are _____.

Answer Choices

- A. Member, Vertical and Controller
- B. Model, Variable and Centered
- C. Model, View and Controller
- D. Member, View and Controller

Correct Answer: C

Q. No.125

What is the full form of IIS?

Answer Choices

- A. Intelnet Information Server
- B. Internet Information Services
- C. Inter Information Server
- D. Interactive Information Services

Correct Answer: B

Q. No. 126

What is IIS?

Answer Choices

- A. Web Browser
- B. Web crawler
- C. Web Server
- D. None of the above

Correct Answer: C

Q. No.127

Which protocol is supported by Web API?

Answer Choices

- A. SOAP Protocol
- B. HTTP Protocol
- C. TCP Protocol
- D. FTP Protocol

Correct Answer: B

Difficulty Level: Intermediate

Q. No. 128

Which of the following .NET framework supports Web API?

Answer Choices

- A. .NET 1.0
- B. .NET 2.0
- C. .NET 3.0
- D. .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

- A. .NET class libraries/FCL
- B. Common Language Runtime
- C. Common Language Infrastructure
- D. Component Object Model

B C L

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

- A. Common Language Infrastructure
- B. CLR
- C. Garbage Collector
- D. Class Loader

Handwritten mark: a large blue 'C' with a checkmark.

Correct Answer: C

Difficulty Level: Intermediate

Handwritten mark: a blue arrow pointing to the left.

Q. No.131

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

Handwritten mark: a blue underline.

- i) Thread Support
- ii) Cross-language Integration
- iii) Interoperability

Answer Choices

- E. i and ii only
- F. ii and iii only
- G. i and iii only
- H. 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

- A. 1, 2
- B. 2, 3
- C. 3, 4
- D. 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

E. enum

F. struct

G. char

H. 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

E. system.collection

F. system

G. system.data

H. system.drawing

Correct Answer: A

Q. No.134

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

Answer Choices

A. Creating

B. Modifying

C. Allocating memory for.

D. 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

Difficulty Level: Easy

Q. No.9

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

Answer Choices

E. Protected

F. Private

G. Public

H. 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

E. Sealed

F. Abstract

G. Partial

H. Virtual

Correct Answer: A

Difficulty Level: Intermediate

Q. No.11

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

Answer Choices

A. DataReader

B. DataSet

C. DataView

D. DataTable

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 12

Wrapping up of data with its properties is called _____.

Answer Choices

- E. Inheritance
- F. Polymorphism
- G. Abstraction.
- H. Encapsulation

Correct Answer: D

Difficulty Level: Intermediate

Q. No.13

Which function provides string representation of the object?

Answer Choices

- A. ToString().
- B. GetType().
- C. Equals().
- D. 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

- E. List
- F. Dictionary
- G. Queue

H. Stack

Correct Answer: B

Difficulty Level: Intermediate

Q. No.15

To implement delegates, the necessary condition is?

Answer Choices

- E. Class declaration
- F. inheritance
- G. runtime polymorphism
- H. Exceptions

runtime polymorphism

Correct Answer: A

Q. No. 16

Static class can have _____ members.

Answer Choices

- A. static
- B. abstract
- C. static and non static.
- D. 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

E. System.ApplicationException

F. System.SystemException

G. System.IO.IOException

H. 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

A. Linked list

- B. List
- C. Heap
- D. Queue

Correct Answer: C

Q. No. 20

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

Answer Choices

- E. System.Text
- F. System.Collections.Generic
- G. System.Linq
- H. System.Collections

Correct Answer: B

Q. No.21

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

Answer Choices

- E. class
- F. struct
- G. enum
- H. data

Correct Answer: D

Q. No. 22

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

Answer Choices

- A. Structs
- B. Errors
- C. Indexers
- D. Exception handler

Correct Answer: D

Q. No.23

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

Answer Choices

- E. push()
- F. wait()
- G. sleep()
- H. stack()

Correct Answer: C

Q. No. 24

What is name of the namespace which supports multithreading programming?

Answer Choices

- E. System.net
- F. System.Linq
- G. System.Threading
- H. 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

E. Master Page/Layout Page

F. Theme

G. Customization

H. None of the Above

Correct Answer: A

Q. No. 26

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

Answer Choices

E. < Option >

F. < Select >

G. < List >

H. None

Correct Answer: B

Q. No. 27

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

Answer Choices

E. System.Web.Mvc

- F. System.Windows.Page
- G. System.Web.page
- H. 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

- E. Load
- ☒ F. Fill
- G. GetAll
- H. None

Correct Answer: B

Q. No. 29

Which of the following are the Filters in MVC?

Answer Choices

- E. Result Filters
- F. Exception Filters
- ☒ G. Both A and B
- H. None

Correct Answer: C

Q. No. 30

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

Answer Choices

- A. .cshtml
- B. .vbhtml
- C. Both A & B
- D. None

Correct Answer: B

Q. No. 31

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

Answer Choices

- E. _ViewStart.cshtml
- F. B_Login.cshtml
- G. _Layout.cshtml
- H. None

Correct Answer: A

Q. No. 32

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

Answer Choices

- A. Action filters
- B. Authorization filters
- C. Response filters
- D. Exception filters

am

Correct Answer: B

Q. No. 33

What is strongly typed view in MVC?

Answer Choices

- E. view created with the model class
- ~~F. view having the same name as the class~~
- G. view created with strong keyword
- H. view created with a controller class

Correct Answer: A

Q. No. 34

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

Answer Choices

- A. App_Data
- B. App_Start
- ~~C. Content~~
- D. Filters

pg 11

Correct Answer: B

Q. No.35

Which attributes can be used for data validation in MVC.

Answer Choices

- A. DataAnnotations
- B. Fluent API
- C. DataModel
- D. HtmlHelper

Correct Answer: A

Q. No. 36

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

Answer Choices

- E. @
- F. <%= %>
- G. Both A & B
- H. None

Correct Answer: A

Q. No. 37

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

Answer Choices

- E. <select>
- F. <list>
- G. <input type="dropdown">
- H. <input type="list">

Correct Answer: A

Q. No. 38

Which are three components of MVC?

Answer Choices

- E. Member, Vertical and Controller
- F. Model, Variable and Centered
- G. Model, View and Controller
- H. Member, View and Controller

Correct Answer: C

Q. No.39

What is the full form of IIS?

Answer Choices

- E. Intelnet Information Server
- F. Internet Information Services
- G. Inter Information Server
- H. Interactive Information Services

Correct Answer: B

Q. No.40

Which protocol is supported by Web API?

Answer Choices

- A. SOAP Protocol
- B. HTTP Protocol
- C. TCP Protocol
- D. FTP Protocol

Correct Answer: B

Q. No.1

What is meant by the term generics?

Answer Choices

- A. parameterized types
- B. class
- C. structure
- D. 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

- A. .NET class libraries (FCL)
- B. Common Language Runtime
- C. Common Language Infrastructure
- D. Common Type System

Correct Answer: A

Q. No.3

In C#, all binary operators are _____.

Answer Choices

- A. Center-associative
- B. Right-associative
- C. Left-associative
- D. Top-associative

Correct Answer: C

Q. No. 4

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

Answer Choices

- A. Unmanaged
- B. Distributed
- C. Legacy
- D. Managed code

Correct Answer: D

Q. No.5

Which of the following is not a value types?

Answer Choices

- I. int
- J. Array
- K. enum
- L. 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

- A. float pi = 3.14F;
- B. #define pi 3.14F;
- C. const float pi = 3.14F;
- D. 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

A. 1,3

B. 2,4

C. 1,4

D. 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

A. 1,3

B. 2,4

C. 3,5

D. 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

I. Protected

J. Private

K. Public

L. Internal

Correct Answer: B

Difficulty Level: Intermediate

Q. No. 10

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

Answer Choices

I. Sealed

J. Abstract

K. Partial

L. Virtual

Correct Answer: A

Difficulty Level: Intermediate

Q. No.11

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

Answer Choices

A. Stack

B. Tree

C. Sorted Array

D. All of the mentioned

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 12

Select the wrong statements among the following?

Answer Choices

- A. A structure can contain properties ✓
- B. A structure can contain constructors ✓
- C. A structure can contain protected data members
- D. 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

- A. List
- B. Stack ✓
- C. Array
- D. Queue

Correct Answer: B

Difficulty Level: Easy

Q. No. 14

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

Answer Choices

A. ArrayList

B. List

C. Stack

D. Queue

Correct Answer: A

Difficulty Level: Intermediate

Q. No.15

To implement delegates, the necessary condition is?

Answer Choices

I. Class declaration

J. inheritance

K. runtime polymorphism

L. Exceptions

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 16

Choose the incorrect statement among the following about the delegate?

Answer Choices

E. delegates are of reference types

F. delegates are object oriented

G. delegates are type safe

H. 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

I. System.ApplicationException

J. System.SystemException

- K. System.IO.IOException
- L. 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

- E. DataSet
- F. XElement
- G.ObjectContext
- H. DataContext

Correct Answer: D

Difficulty Level: Difficult

Q. No. 20

LINQ query can work with_____.

Answer Choices

- A. DataSet
- B. List<T>
- C. Array
- D. 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

- A. System.Web.Mvc
- B. System.Windows.Page
- C. System.Web.page
- D. System.Configuration.Web

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 22

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

Answer Choices

- A. Using SqlDataAdapter
- B. Using SqlDataReader
- C. Using SqlCommand
- D. None

Correct Answer: A

Difficulty Level: Difficult

Q. No.23

What is MVC application life cycle?

Answer Choices

- A. Creating the request object
- B. Creating Response object
- C. Both A and B
- D. None

Correct Answer: C

Difficulty Level: Intermediate

Q. No. 24

An assembly is _____.

Answer Choices

- 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

Correct Answer: A

Difficulty Level: Difficult

Q. No.25

What are the parts/segments used for routing?

Answer Choices

- A. ControllerName
- B. ActionMethodName
- C. Parameters
- D. All of the above

Correct Answer: D

Difficulty Level: Difficult

Q. No. 26

What are the Filters in MVC?

Answer Choices

- I. Result Filters
- J. Exception Filters
- K. Both A and B
- L. 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

- I. .cshtml
- J. .vbhtml
- K. Both A & B
- L. None

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 28

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

Answer Choices

- A. _ViewStart.cshtml
- B. _Login.cshtml
- C. _Layout.cshtml
- D. None

Correct Answer: A

Difficulty Level: Intermediate

Q. No. 29

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

Answer Choices

- A. Data-access layer
- B. Business-logic layer
- C. Presentation layer
- D. 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

- E. ``
- F. ``
- G. ``
- H. None

Correct Answer: A

Difficulty Level: Easy

Q. No. 31

How can you comment using Razor Syntax?

Answer Choices

- I. `*@ Comment me *@`
- J. `@* Comment me *@`
- K. `@* Comment me @*`
- L. `*@ Comment me @*`

Correct Answer: B

Difficulty Level: Easy

Q. No. 32

Which attributes can be used for data validation in MVC?

Answer Choices

E. DataAnnotations

F. Fluent API

G. DataModel

H. HtmlHelper

Correct Answer: A

Difficulty Level: Difficult

Q. No. 33

The Razor View Engine uses _____ to render server side content.

Answer Choices

A. @

B. <%= %>

C. Both A & B

D. None

Correct Answer: A

Difficulty Level: Easy

Q. No. 34

What is a partial view in MVC?

Answer Choices

- E. Partial view in MVC renders a portion of view content.
- F. Partial view in MVC renders a complete view content.
- G. Partial view represents method of Partial Class.
- H. 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

- A. ViewBag.Detail = "my message"; and in view @ViewBag.Detail
- B. ViewBag.Detail = "my message"; and in view ViewBag.Detail
- C. ViewBag.Detail = "my message"; and in view ViewBag.Title
- D. None

Correct Answer: A

Difficulty Level: Difficult

Q. No. 36

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

Answer Choices

- I. Action filters
- J. Authorization filters
- K. Exception filters
- L. Response filters

Correct Answer: C

Difficulty Level: Difficult

Q. No. 37

Which webserver is developed by Microsoft?

Answer Choices

- I. Apache Tomcat
- J. Caudium
- K. Internet Information Services (IIS)
- L. WEBrick

Correct Answer: C

Difficulty Level: Easy

Q. No. 38

Which of the following .NET framework supports Web API?

Answer Choices

- E. .NET 1.0
- F. .NET 2.0

G. .NET 3.0

H. .NET 4.5

Correct Answer: D

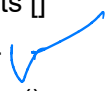
Difficulty Level: Intermediate

Q. No.39

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

Answer Choices

A. Square brackets []

B. Curly braces {} 

C. Round brackets ()

D. 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

- A. Given number is:123
- B. Given number is: 123
- C. Given number is: "123"
- D. 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?

ILDasm

Handwritten signature

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.

A. Internet

B. Windows

C. Hardware

D. language

Ans. Option B

33.What Is CLR?

A. Common language runtime

B. Compiler language runtime

C. Compiler library runtime

D. Common library runtime

Ans. Option A

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

A. Class loader

B. Garbage collector

C. .NET Framework

D. 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

- A. Security engine
- B. Garbage collector
- C. JIT compiler
- D. Debugger

Ans. Option B

36. What Is CTS?

- A. Common type specification
- B. Common type-safe
- C. Compiler type structure
- D. Common type system

Ans. Option D

37. What Is CLS?

- A. Compiler library specification
- B. Common library specification
- C. Compiler language specification
- D. Common language specification

Ans. Option D

38. What Is DLL

- A. Dynamic-link language
- B. Direct link language
- C. Dynamic-link library
- D. 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?

- A. System
- B. System.Diagnostics
- C. System.Object
- D. System.Security

Ans. Option B

40. What Is GAC?

- A. Garbage collector
- B. Global assembly collector
- C. Global access cache
- D. Global assembly cache

Ans. Option D

41. What Is COM?

- A. Component object model
- B. Common object model
- C. Computer oriented model
- D. 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:

- A. Can store two dll files with the same name
- B. Can store two dll files with the same name, but different version
- C. Can store two dll files with the same name and same version
- D. 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?

- A. They interact directly with the runtime
- B. They do not execute in the native code language
- C. They are interpreted and scripted
- D. All of the above

Answer: Option D

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?

6. It provides a language-neutral development & execution environment.
7. It ensures that an application would not be able to access memory that it is not authorized to access.
8. It provides services to run "managed" applications.
9. The resources are garbage collected.
10. 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?

6. It provides a consistent object-oriented programming environment whether object code is stored and executed locally, executed locally but Internet-distributed, or executed remotely.
7. It provides a code-execution environment that minimizes software deployment and versioning conflicts.

8. It provides a code-execution environment that promotes safe execution of code, including code created by an unknown or semi-trusted third party.
9. It provides different programming models for Windows-based applications and Web-based applications.
10. 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?

6. Freeing memory on the stack.
7. Avoiding memory leaks.
8. Freeing memory occupied by unreferenced objects.
9. Closing unclosed database collections.
10. 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.WriteLine(____)

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?

6. It is the smallest deployable unit.
7. Each assembly has only one entry point - Main(), WinMain() or DLLMain().
8. An assembly can be a Shared assembly or a Private assembly.
9. An assembly can contain only code and data.
10. 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