

1. What are the workflow authoring styles supported by WWF

Choose two most appropriate option

- a) Base class library
- b) Entity Style
- c) Random Style
- d) Data-driven style

Answer: a,d

2. Identify the option which follows the correct order of Action

- 1. Obtain the Data source.
- 2. Execute the query.
- 3. Create the query

Choose most appropriate option

- a) 1,2,3
- b) 3,2,1
- c) 1,3,2
- d) 3,1,2

Answer: c

3. ____ is a process in which a Web application accepts data from a user and processes it

Choose most appropriate option.

- a) Page Init
- b) Page Load
- c) ASP.NET
- d) Page Posting

Answer: d

4. The class that encapsulates the event information should be derived from ____

Fill in the blank with an appropriate option

- a) System.EventArgs
- b) System.EventHandler
- c) System.Delegate
- d) System.componentModel.EventDescriptor

Answer: a

5. What are the different components of LINQ?

Choose four appropriate options.

- a) LINQ to Objects
- b) LINQ to XML
- c) LINQ to SQL
- d) LINQ to DataSet
- e) LINQ to Datatable
- f) LINQ to DataRow

Answer: a b c d

6. The specific protocols and serialization formats that are used to support successful communication with the service

Choose most appropriate option

- a) Operation Contract
- b) Service Contract
- c) Fault Contract

- d) Data Contract
- e) All of the above
- f) None of the above

Answer: b

7. Consider the enumeration below enum ThreadPriority { Lowest, BelowNormal, Normal, AboveNormal, Highest }

Choose two appropriate options

- a) Threadpriority becomes important only when multiple threads are simultaneously active
- b) Lowest and Highest are not part of this enumeration
- c) A thread's Priority property determines how much execution time it gets relative to other active threads in the operating system

Answer: a c

8. In Memory mapping, which class signifies a randomly accessed view of a memory-mapped file

Choose most appropriate option

- a) MemoryMappedViewStream
- b) MemoryMappedViewAccessor
- c) CreateViewAccessor
- d) MemoryMappedFileView
- e) None of the above

Answer: b

9. In WPF, which layout control aligns the child controls to the edges of panel

Choose most appropriate option

- a) StackPanel
- b) DockPanel
- c) GridPanel
- d) CanvasPanel
- e) None of the above

Answer: b

10. A ___ expression is an anonymous function that can contain expressions and statements and can also be used to create delegates or expression tree types

Choose the appropriate option

- a) Join
- b) XML
- c) Data
- d) lambda
- e) SQL

Answer: d

11. Which of the below are invalid serialization attributes ?

Choose two most appropriate options.

- a) XMLRootElement
- b) XmlAttribute
- c) XmlElement
- d) XmlElementName

Answer: a d

12. ___ provides a means of reading a forward-only stream of rows from a SQL server database.

Fill in the blank with an appropriate option

- a) SqlDataReader

- b) Dataset
- c) DataTable
- d) Dataview

Answer: a

13. During a Jagged Array practice session, Shruthi wrote following code:

```
int[][] myarray- new int[][3];
myarray [0]=new int[3];
myarray [1]=new int[4];
myarray [2]=new int[5];
```

IDE continued to show an error for this Jagged Array construction According to you which line is causing this error?

Choose most appropriate option

- a) int[][]myarray new int[][3];
- b) myarray [0]=new int[3];
- c) myarray [1]=new int[4];
- d) myarray [2]=new int[5];

Answer: a

14. Consider the following code and identify the attribute to be added to make the Name a property of Employee type in the data contract

```
[DataContract]
Public class Employee
{
    private string m_Name;
    public string Name { get { return m_Name;} set { m_Name = value; } }
}
```

Choose most appropriate option

- a) [DataMember]
- b) [DataService]
- c) [DataAttribute]
- d) [DataProperty]

Answer: a

15. Please select the two correct statements for XML document:

Choose two appropriate options

- a) XSD is the XML-based alternative of DTDs having the same purpose of DTDs but more powerful and extensible
- b) DTD is the XML-based alternative of XMLs having the same purpose of XMLs but more powerful and extensible.
- c) DTD is the older standard. It is most probable that XSD will replace DTD for validating XML Documents.
- d) XSD is the older standard. It is most probable that DTD will replace XSD for validating XML Documents.

Answer: a c

16. Rahul is trying to use StringBuilder class in a program, but he is getting error. To use the StringBuilder class which namespace he should include in the program

Choose most appropriate option

- a) System.String
- b) System.Globalizaton

- c) System.io
- d) System.Builder
- e) None of the above

Answer: e

17. please select the correct task to prevent possible code injections
choose three appropriate options

- a) Client side validation need to be done by Java Script
- b) Don't store sensible data into cookies
- c) Don't use hidden boxes to hold data
- d) Don't depend on client side javascript validation

Answer: b c d

18. Which of the following statement(s) is/are true about the operator overloading?

Choose most appropriate option

- a) Binary operators can be overloaded
- b) The cast operator cannot be overloaded, but you can define new conversion operators
- c) Unary operators can be overloaded.
- d) All of the above

Answer: d

19. The goal of ____ is to decrease the amount of code and maintenance required for data-oriented applications

Choose the appropriate option

- a) LINQ to C#
- b) LINQ to Entities
- c) LINQ to Database
- d) LINQ to XML

Answer: b

20. In the .NET Framework, where is the version information of an assembly stored?

Choose most appropriate option

- a) Manifest
- b) Visual Source Safe
- c) Common type System
- d) Version Control

Answer: a

21. Identify drawbacks of the Design Patterns from the below mentioned options

Choose two appropriate answers

- a) Patterns do not lead to direct code reuse
- b) Patterns are deceptively simple
- c) Teams may not Suffer from pattern overload
- d) Maintainability and reusability

Answer: a b

22. This event is raised by the page object. This event is used to complete all tasks that require initialization

Choose the appropriate option

- a) Preinit
- b) Preload
- c) Init
- d) Initcomplete

e) LoadComplete

Answer: d

23. A class source-code file that is compiled at run time. These classes can be: HTTP Module, HTTP Handler. Can also be a code-behind file for an ASP.NET page or a stand-alone class file containing application logic- find the extension of these files above

Choose most appropriate option

a) .config

b) .cs, .jsl, .vb

c) .licx, .webinfo

d) .resources, .resx

Answer: b

24. which of the following does an assembly contain ?

Choose most appropriate option

a) Manifest type metadata, Resources, MSILcode

b) Manifest, type metadata

c) Manifest, type metadata, resources

d) Manifest

Answer: a

25. Which Method is used to create a MemoryMappedViewAccessor that maps to a view of the memory-mapped file

Choose most appropriate option

a) MemoryMappedViewAccessor()

b) MemoryMappedViewStream()

c) CreateViewAccessor()

d) CreateMemoryMappedViewAccessor()

Answer: c

26. Which of these namespaces handle the following information Language-Country/ Region - Calendars in use Format pattern for dates -Currency

Choose most appropriate option.

a) System.String

b) System.Globalization

c) System.IO

d) System.Reflection

Answer: b

27. WPF Which control n the WPF application has a property GroupName ?

Choose most appropriate option

a) CheckBox

b) RadioButton

c) ComboBox

d) All of the above

Answer: b

28. In an interview Akshay was asked to evaluate following code and determine the Output.

class Program

{

static Program()

{ int number= 100; int denominator= intParse("0");

int result = number / denominator; Console writeLine(result); }

```
}  
class MyClass { static void Main() { Program program= new Program(); } }
```

According to you, what should be the output of this code? Choose most appropriate option

- a) System.DivideByZeroException
- b) System.TypeInitializationException
- c) System.InvalidCastException
- d) There won't be any exception, result would get printed.

Answer: b

29. Shruthi is working as a developer. She has to write the code to Create a ConnectionString. Which of the following parameter of ConnectionString she should use to specify the name of the database ?

Choose two appropriate options.

- a) Provider
- b) Initial Catalog
- c) Database
- d) Data Source

Answer: b c

30. Which of the following is/are Statement(s) related to interface ?

Choose most appropriate option

- a) Interface is a type whose members are all public and abstract by default
- b) Interface itself can inherit other interfaces
- c) To implement an interface, class uses the same syntax that is used for inheritance.
- d) All the above

Answer: d

31. True/False: XML serializes only the public properties and private fields of an object.

Choose most appropriate option

- a) TRUE
- b) FALSE**

Answer: b

32. Refer to the below code and Identify the missing statements.

```
[ServiceContract]  
Public interface IHello  
{  
    void SayHello(string name);  
}
```

Choose most appropriate option.

- a) [OperationContract] attribute needs to be included about the SayHello method.**
- b) [DataMember] attribute needs to be included about the SayHello method.
- c) [ServideContract] attribute needs to be included about the SayHello method.
- d) None of the above.

Answer: a

33. To execute the below code successfully, which namespace to be included
Using System;

```
class MyClass { static void Main(String[] args) { Parallel.For(21, 31, i =>
{Console.WriteLine(i);});} }
```

choose most appropriate option

- a) System.Threading
- b) System.Threading.Tasks**
- c) System.Linq
- d) Using System.Collections.Concurrent

Answer: b

34. Consider the following code and identify the statements which are true?

```
using System;
using System.Linq;
class OrderDemo {Static void Main(){String[] englishletters={"d", "c", "a", "b"};
var sorted = from englishletter in englishletters orderby englishletter select englishletter;
foreach(string value in sorted) { Console.WriteLine(value);}}
```

Choose two appropriate options.

- a) Englishletters is an unsorted array**
- b) Sorted is an IEnumerable <String>**
- c) The output will be in the descending order
- d) The foreach loop is responsible for sorting the englishletters

Answer: a,b

35. Which of the following substantiates the use of stored procedure?

Choose most appropriate option.

- a) The number of requests between the server and the client is reduced.
- b) The execution plan is stored in the cache after it is executed the first time**
- c) .Stored procedures accept parameters.
- d) You can bypass permission checking on stored procedure.

Answer: b

36. _____ is the process of converting the state of an object into a form that can be persisted or transported.

Fill in the blank with an appropriate option.

- a) Delegate
- b) Serialization**
- c) Events
- d) Object Initializer

Answer: b

37. Samruti needs to create a UML Diagram that can depict the user requirements scenarios in which your system or application interacts with people, organizations or external systems.

Which diagram should she be using?

Choose most appropriate option

- a) Use Case Diagram**
- b) Class Diagram
- c) Object Diagram

d) Sequence Diagram

Answer: a

38. Rohit wanted to print the SQL server name of his system. Which code should use in SQL server name?

Choose two most appropriate options.

a) **Select @@servername**

b) **print@@servername**

c) select@@server

d) print@@server

Answer: a,b

39. In WWF, _____ is the interaction between the Host processes and a specific activity in an specific workflow instance.

Choose most appropriate option.

a) Local Communication

b) Compensation

c) **Correlation**

d) Serialization

Answer: c

40. How the rules or conditions expressed in WWF to implement business logic

Choose most appropriate option

a) Conditions can be articulated as declarative, or defined in code

b) Rules consist a condition statement and collections of actions that are not performed based on the result of the condition

c) Rules are expressed as an XML file

d) **a & c**

e) a & b & c

Answer: d

41. Which of the following will legally declare a construct and initialize an array?

Choose most appropriate option.

a) char myArray[] = {'a', 'b', 'c'};

b) char myArray[] = {a ; b; c; };

c) char myArray[] = {'a'; 'b'; 'c'};

d) **char [] myArray= {'a', 'b', 'c'};**

Answer: d

42. Web Server provides a detailed description of the extensions, filters, and script mapping

Choose the appropriate option

a) Internet Server Active Programming Interface (ISAPI)

b) Internet Served Application Programming Integration (ISAPI)

c) Internet Server Application Programming Interoperability (ISAPI)

d) **Internet Server Application Programming Interface (ISAPI)**

Answer: d

43. A jagged array is an array of arrays, and therefore its elements are _____.
Fill in the blank with an appropriate option.

- a) Value types
- b) Reference types**
- c) Both Value types and Reference types

Answer: b

44. Which of the following is true about ADO.NET?
Choose most appropriate option.

- a) ADO.NET is an object oriented set of libraries that allows you to interact with data sources.
- b) ADO.NET classes are found in System.Data.dll.
- c) ADO.NET classes are integrated with XML classes.
- d) ADO.NET contains .NET Framework data provider for connecting to a database.
- e) All of the above.**

Answer: e

45. Identify the statements which are in Camel Case.
Choose the two appropriate options.

- a) Public void Show(string bookName){...}**
- b) totalAmount**
- c) BlueColor
- d) Public event EventHandler ClickEvent

Answer: a,b

46. Which of the following are facts about Non-persistence memory mapped files?
Choose most appropriate option

- a) These files are memory-mapped files that are associated with a source file on a disk.
- b) When the last process has finished working with the file, the data is saved to the source file on the disk.
- c) These memory-mapped files are suitable for working with extremely large source files.
- d) These files are suitable for creating shared memory for inter-process communications**

Answer: d

47. LINQ relied on the concepts of extension of extension methods, anonymous types, anonymous methods and _____.
Fill in the blank with an appropriate option.

- a) Lambda expressions**
- b) Xml expressions
- c) Data expressions
- d) Sql expressions

Answer: a

48. What are the services will be provided by Windows Workflow – Foundation?
Choose two most appropriate option

- a) Transaction Services**

- b) Migration Services
- c) Scheduling Services**
- d) Security services

Answer: a,c

49. Are the following statements true or false?

Statement 1: A Task is a schedulable unit of work. Statement

2: Task enqueued to a TaskScheduler.

- a) Both statements are true.**
- b) Both statements are false.
- c) Statement 1 is false and statement 2 is true.
- d) Statement 2 is false and statement 1 is true.

Answer: a

50. Which of the following apply to constructor?

Choose three appropriate options.

- a) Constructors are methods that set the initial state of an object**
- b) Constructors cannot return a value, not even void**
- c) Constructors can be inherited
- d) If the class does not explicitly declare a constructor, it will default to a no parameter, do nothing constructor**

Answer: a, b, d

51. What will be the output of the below program using System;

using System.IO;

class Program

```
{ Static void Main(string[] args)
{ StreamWriter sw = File.CreateText("C:\\accenture.txt");
try { sw.WriteLine({"Welcome to Accenture"});}
catch(IOException e){ Console.WriteLine(e.Message);}
finally{ if(sw != null) sw.Close();}}
```

Choose most appropriate option

- a) Accenture.txt file is created in C: drive**
- b) IOException will be thrown
- c) Unhandled Exception
- d) Compiletime Error

Answer: a

52. Shruthi is working on the code below. When she executes this code she is facing this error - using directive error.

Which of the option will resolve this error?

```
Int[] numbers = new int[7] (0,1,2,3,4,5,6);
var numQuery = from num in numbers where (num % 2 ) == 0 select num;
foreach (int num in numQuery) {Console.Write("{0}", num);}
```

Choose most appropriate option

- a) She must use the System.Linq namespace**

- b) She must use the System.Linq.Expressions namespace
- c) She must revise her Linq query
- d) None of the above

Answer: a

53. With respect to generic concept, developers can create which generic item?
Choose three appropriate options.

- a) Generic constant
- b) Generic class**
- c) Generic event**
- d) Generic delegate**

Answer: b,c,d

54. Radha wants to sort data stored in an array. She doesn't want to work on the sorting functionality. Do we have any provision in the .NET framework FCL to help her in sorting?
Choose most appropriate option

- a) Yes, she can use System.Sort(array)
- b) Yes, she can use System.Data.Sort(array)
- c) Yes, she can use System.Array.Sort(array)**
- d) No, she need to write the sort functionality

Answer: c

55. Error handling in WCF service is handled by _____.
Choose most appropriate option.

- a) Fault Contract**
- b) ServiceContract
- c) DataContract
- d) MessageContract

Answer: a

56. Which of the options is valid with respect to below statements
Statement1: StringBuilder saves time and memory by not creating a new string each time an operation is performed on a string.
Statement2: System.Math class provides constants and static methods for trigonometric, logarithmic, and assertion functions.
Choose most appropriate option.

- a) Statement1 is True. Statement2 is false**
- b) Statement1 is False. Statement2 is True
- c) Statement1 is False. Statement2 is False
- d) Statement1 is True. Statement2 is True

Answer: a

57. Identify correct syntax for declaring indexer.
Choose most appropriate option.

- a) public int this[int index] { get{ } set{ } }**
- b) public int [int index]this { get{ } set{ } }

- c) public this[int index] { get{ } set{ } }
- d) public this[int index] int { get{ } set{ } }

Answer: a

58. A/ An _____ that does not have a WHERE clause produces the Cartesian product of the tables involved in the join.

Choose the appropriate option

- a) Equi Join
- b) Inner Join
- c) Self Join
- d) Cross Join**

Answer: d

59. Arun wants to retrieve result using a query “select count(*) from employee”. Which is most appropriate SqlCommand method for his requirement

Choose most appropriate option

- a) ExecuteReader
- b) ExecuteQuery
- c) ExecuteNonQuery
- d) ExecuteScalar**

Answer: d

60. CREATE VIEW [dbo].[viewmyTable] AS SELECT D.DeptName, D.Location, E.Name FROM Department D LEFT OUTER JOIN Employee E ON D.DeptID = E.DeptID GO

Predict the output, when the above query executed?

Choose most appropriate option

- a) Commands execute successfully**
- b) Incomplete query
- c) Syntax error

Answer: a

61. Which of the following are True for Workspace

Choose two appropriate options

- a) Workspace is a folder created within the local system which maps a project in the source control.s**
- b) Files within the source control which needs changes, should be first loaded into the workspace of the local system. Any changes made to the files are stored in the local workspace.**
- c) Only one workspace can be maintained for a single project in the source control.
- d) Files need to be checked-out in order to upload changes into source control.

Answer: a,b

62. Visibility qualifier is used for which off the following?

Choose most appropriate option.

- a) Specifying different visibility for the get and set accessors of a property or an indexer.**
- b) Setting the visibility off the accessor get and set to public even though the property visibility is set to protected.

c) Setting the visibility of the accessor and set to public even though the property visibility is set to internal.

d) All off the above.

Answer:a

63. Select the two correct two statements for xml schema(XSD)

Choose most appropriate option.

a) The <schema>elements is the root element for XSD.

b) Has data types and namespaces, like DTDs.

c) Elements in schemas are divided into three types: Simple Elements Mixed Elements Complex Elements.

d) XSD is written similarly to xml as xsd makes use of xml syntax, hence most of the rules to xml apply to xsd.

Answer:a,d

64. State true or false for the statements for design patterns.

Statement 1: Prototype-A fully initialized instance to be copied or cloned.

Statement 2: Singleton-A class of which only a multiple instances can exist.

Choose most appropriate option.

a) All the statements are true.

b) All the statements are false.

c) Statement1 is true and statement2 is false.

d) Statement2 is true and statement1 is false.

Answer: c

65. What is the .NET Collection class that allows an element to be accessed using a unique key?

Choose most appropriate option.

a) ArrayList

b) StringCollection

c) Stack

d) Hashtable

Answer: d

66. Rajesh needs to copy only specific range of elements from MyArray to copyMyArray. He is using Following code.

```
Int[] myarray= new int[3] {20,19,21};
```

```
Int[] copyarray= new int[3];
```

```
Array.Copy(myarray,copyarray,1);
```

Would this code give him desirable Output?

Choose most appropriate option.

a) Yes

b) No

Answer:a

67. Consider the following statements and identify the WCF program 1, These are programs that consume the services 2. They are normally the ones that initiate the messaging to the service.

Choose most appropriate option.

a) Message

b) Client

- c) Intermediates
- d) None of the option

Answer:b

68. Which of the below syntax is correct to define operator method or to perform operator overloading?

Choose most appropriate option.

- a) Public static op(arglist) {}
- b) Public static returnvalue op(arglist){}
- c) Public static returnvalue operator op(arglist){}**
- d) All of the above

Answer:c

69. Identify two conditions from the following that need to be met for multicast delegates. Choose most appropriate option.

- a) None of the parameters of the delegate is an output parameter.**
- b) The return type of the delegate is void.**
- c) The parameter of the delegate is an output parameter

Answer:a,b

70. What is / are the different component(s) of LINQ?

Choose most appropriate option.

- a) LINQ to Objects
- b) LINQ to XML
- c) LINQ to SQL
- d) LINQ to Entity
- e) All of the above**

Answer: e

71. Identify the description of @@IDENTITY.

Choose most appropriate option.

- a) Returns the error number for the last Transact-SQL statement executed.
- b) Returns the last -inserted identity value.**
- c) Returns the number of rows affected by the last Statement.

Answer:b

72. Identify the list of Common Exception Classes

Choose most appropriate option.

- a) System.StackOutOfRangeException
- b) System.NullReferenceException**
- c) System.ArrayTypeMismatchException**
- d) System.TypeMismatchException
- e) System.InvalidCastException**

Answer:b,c,e

73. Read the statement below and identify the workflow component. This is the act of undoing any actions that were performed by a successfully completed activity because of an exception that occurred elsewhere in a workflow.

Choose most appropriate option.

- a) Activity
- b) Compensation**
- c) Service

d) Workflow persistence

Answer:b

74. John is developing an application for ABC company in which he wants to combine application UIs, 2D graphics, 3D graphics, documents and multimedia in one single framework. Which component can he use?

Choose most appropriate option.

a) WPF

b) WCF

c) Linq

d) OOPS

Answer: a

75. What is/are the advantages of LINQ over stored procedures?

Choose most appropriate option.

a) Debugging- it is really very hard to debug the stored procedure but as LINQ is part of .NET, you can use Visual Studio's debugger to debug the queries.

b) Deployment- With stored procedures, we need to provide an additional script for stored procedures but with LINQ everything gets compiled into a single DLL hence deployment becomes easy.

c) Type Safety- LINQ is type safe, so query errors are type checked at compile time. It is really good to encounter an error when compiling rather than a runtime exception.

d) All of the above

Answer: d

76. Which of the below are valid statements about DataReader and DataSet?

Choose most appropriate option.

a) DataReader reads all the records at a time and it is used in multiple databases.

b) DataSet always reads one record at a time and it moves in a forward direction.

c) DataReader is a connected Architecture

d) DataSet is a collection of in-memory tables

Answer: c, d

77. Identify the functions of the Common Type System (CTS)

Choose most appropriate option.

a) They form the fundamental unit of deployment, version control, reuse, activation scoping, and security permissions

b) Most of the members defined by types in the .NET framework class library are CLS-compliant

c) Establishes a framework that helps enable cross-language integration, type safety, and high performance code execution

d) Provides an object-oriented model that supports the complete set of many programming languages

Answer: c, d

78. Identify the tasks a user is able to perform in Source Control Explorer

Choose most appropriate option.

a) Create/Rename/Delete files and folders

b) Check in/out files

c) Get latest/Specific version

d) All of the above

Answer:d

79._____ Represents the standard input, output, and error streams for console applications. This class cannot be inherited.
Fill the blank with appropriate option.

a) Console class

b) TextWriter class

c) Text class

Answer:a

80.What is the namespace for "Task" class?

Choose most appropriate option.

a) System.Tasks

b) System.Threading.Tasks

c) System.Diagnostics.Tasks

d) System.Dynamic.Task

Answer:b

81.State true or false for the below statements.

Statement1 : Multicast delegates are used extensively in event handling.

Statement2 : Delegation can be used to define callback methods

Choose most appropriate option.

a) Statement1 and Statement2 are true

b) Statement1 is true and Statement2 is false

c) Statement1 is true and Statement2 is false

d) Statement2 and Statement1 are False

Answer:a

82._____namespace provides classes for using a memory mapped file, which maps the contents of a file to an application's logical address space.

Fill with the most appropriate option.

a) System.MemoryMappedFile

b) System.MemoryMappedFiles

c) System.IO.MemoryMappedFiles

d) System.IO.Memory

Answer:c

83.Identify the WCF contract considering the following statement

1. WCF contracts defines implicit contracts for built in data types like string and int.

2. This contract defines which data types are passed to and from the service

Choose most appropriate option.

a) Service Contract

b) Fault contract

c) Data Contract

d) Message contract

Answer:c

84. Which of the below statements are correct about Indexers

Choose most appropriate option.

a) Indexers are location indicators

b) Indexers are used to access class objects

c) Indexer is a form of property and works in same way as a property

d) a&b

e) b&c

f) a,b&c

Answer:f

85. _____ and _____ methods of a delegate helps to process delegate asynchronously

Fill the blank with appropriate option.

a) BeginInvoke(),EndInvoke()

b) InvokeBegin(),InvokeEnd()

c) Begin(),End9)

d) BeginInvokeDelegate(),EndInvokeDelegate()

Answer:a

86.Which option gets the version of the selected file/folder specific to date, changeset, label,or workspace version?

Choose most appropriate option.

a)GetSpecificFile

b)GetLatestVersion

c)GetSelectVersion

d)GetSpecificVersion

Answer:d

87.All query operations of LINQ consist of three district actions

Choose most appropriate option.

a) 1. Obtain the data source 2. Declare the Data source 3.Excute the data source

b) 1. Declare the data source 2.Initialize the query 3. Execute the query

c) 1. Declare the Data source 2. Create the data source 3 .Execute the Data source

d) 1. Obtain the data source 2.Create the query 3. Execute the query

Answer:d

88.Rajesh is implementing an ASP.NET page. The page include a method named GetProjectAllocation that returns dataset. The Dataset includes a datatable named ProjectAllocation. Rajesh need to show the data in GridView control named GridView1

Choose most appropriate option.

a)GridView1.DataTable=GetProjectAllocation();

b)GridView1.DataTable=GetProjectAllocation();GridView1.DataBind();

c) GridView1.DataSource=GetProjectAllocation();GridView1.DataBind();

d) GridView1.DataSourceId=GetProjectAllocation();GridView1.DataBind();

Answer:c

89. _____ is a pre defined, reusable routine that is stored in a database

Fill the blank with most appropriate option.

a) Function

b) Stored Proccedure

c) View

d) Joins

Answer:b

90.Which of the following are True for Workspace

Choose two appropriate options

a) Workspace is a folder created within the local system which maps a project in the source control.s

- b) Files within the source control which needs changes, should be first loaded into the workspace of the local system. Any changes made to the files are stored in the local workspace.
- c) Only one workspace can be maintained for a single project in the source control.
- d) Files need to be checked-out in order to upload changes into source control.

Answer: a,b

91. In LINQ , all the core types are defined in _____

Choose most appropriate option.

- a) System.Linq.XML and System.Linq.Expressions
- b) System.Linq and System.Linq.XML
- c) System.Linq and System.Linq.Expressions**
- d) System.XML.Linq and System.Linq.Expressions

Answer : C

92. The _____ hosting option is integrated with ASP.NET and uses the features these technologies offer, such as process recycling , idle shutdown ,process health monitoring , and message based activation.

Choose most appropriate option

- a) IIS**
- b) Windows Services
- c) WAS
- d) Self Hosting
- e) All of the above
- f) None of the above

Answer : A

93. What are true about Static Constructors

Choose two appropriate options

- a) Static variable get instantiated after the static constructor
- b) Static constructors provide the flexibility of statically initializing static variables
- c) Static constructors have access to static members of their class only
- d) A static constructors does not have parameters and access modifiers cannot be applied to it

Answer : C, D

94. Which of the below statement(s) are valid in Operator Overloading?

Choose most appropriate option

- a) The conditional logical operators cannot be overloaded
- b) The array indexing operator can be overloaded
- c) The comparison operators cannot be overloaded
- d) All of the above
- e) None of the above

Answer : A

95. You want to make a configuration setting change that will affect only the current web application. Which file will you change?

Choose most appropriate option

- a) Web.config

- b) Machine.config
- c) Global.asax

Answer : A

96. Testing which attribute should be used to run code before the first test is run in the class?
Choose most appropriate option

- a) TestInitialize()
- b) TestClass()
- c) ClassInitialize()
- d) TestStart()

Answer : C

97. VSTS is also used for automated unit testing of components and regression testing.

State TRUE or FALSE

- a) FALSE
- b) TRUE

Answer : TRUE

98. Which access modifier cannot be used with data members of a structure?

Choose most appropriate option

- a) Public
- b) Protected
- c) Internal
- d) Private

Answer : B

99. Anand has created a master page named Plant.master. the master page uses the following page directives.

```
<%@ Master Language="c#" Src="~/Plant.master.cs" inherits="Plant" %>
```

He needs to create a content page that uses the master page as a template. In addition , he needs to use a single master page for all devices that access the web site. Which code segment should be use ?

Choose most appropriate option

- a) <%@ Page Language="c#" Theme="Plant" Skin="Plant.cs"%>
- b) <%@ Page Language="c#" MasterPageFile="~/Plant.master" %>
- c) <%@ Page Language="c#" device:MasterPageFile="~/Plant.master" %>
- d) <%@ Page Language="c#" de:MasterPageFile="~/Plant.master" %>

Answer : B

100. CREATE VIEW [dbo].[viewmyTable] AS SELECT D.DeptName , D.Location , E.Name FROM Department D JOIN Employee E ON D.DeptID = E.DeptID GO Predict the output , when the above view is executed ?

Choose most appropriate option

- a) A view will be created by selecting deptname , location from the department table and employees name from the employee table .
- b) Syntax error

- c) Incomplete query
- d) A view will be created by selecting deptname , location and name from the department table.

Answer : A

101. Are the methods below a valid overload

Public int Sum(ref int a , ref int b)

Public int Sum(out int a , out int b)

Choose most appropriate option

- a) Yes
- b) No

Answer : No

102. State true or false for the below statements.

Statements1. Extension Methods: Which gives us the capabilities to asses our own custom methods to data types without deriving from the base class.

Statement2. Object Initializer: allows you to pass in named values for each of the public properties that will be used to initialize the object.

Choose most appropriate option

- a) Statement 1 and statement 2 are true.
- b) Statement 1 and statement 2 are false.
- c) Statement 1 is false and statement 2 is true.
- d) Statement 2 is false and statement 1 is true.

Answer : A

103. True/False : Fault Handling is a method of the workflow runtime engine that synchronously handles the exceptions that occur in the activities

Choose most appropriate option

- a) TRUE
- b) FALSE

Answer : FALSE

104. Which of the following are true about Delegates?

Choose three appropriate options

- a) A delegate can reference a method only if the signature of the method exactly matches the signature specified by the delegate type
- b) A delegate allows the programmer to encapsulate a reference to a method inside a delegate object
- c) Delegate are similar to function pointers
- d) Generally useful way for objects to signal state changes that may be useful to clients of that object.

Answer : A ,B ,C

105. Amulya has created following class:

```
Public class Employee { public int EmployeeCode{ get; set;} public string EmployeeName{get; set;} public int EmployeeAge{get; set;}}
```

Please select correct code for initializing an object by using Object initializers.

Choose most appropriate option

- a) Employee emp = new Employee(EmployeeCode=111; EmployeeName="Raghav" ;EmployeeAge=26;);
- b) Employee emp = new Employee{EmployeeCode=111, EmployeeName="Raghav",EmployeeAge=26};
- c) Employee emp = new Employee(){EmployeeCode=111; EmployeeName="Raghav";EmployeeAge=26;};
- d) Employee emp = new Employee(){EmployeeCode=111, EmployeeName="Raghav",EmployeeAge=26};

Answers : B

106. Identify which statements are false about windows Presentation foundation(WPF)

Choose two appropriate options

- a) Used for standalone and browser hosted applications
- b) Uses XAML markup to implement the appearance of an application
- c) The service-oriented design results in distributed systems that runs between services and clients
- d) Provides a programming model for building workflow-based applications in windows

Answer: C , D

107. How do you specify a constraints for the type to be used in a generic class

Choose most appropriate option

- a) Class Program where T: MyInterface
- b) Class Program : MyInterface
- c) Class Program constraint T : MyInterface
- d) Class Program where T : MyInterface

Answer: A

108. VIEW [dbo].[viewmyTable] AS SELECT D.Deptname,D.location ,E.Name FROM

Department D FULL OUTER JOIN Employee E ON D.DeptID = E.DeptID

Whats the output , when the above query is executed?

Choose most appropriate option

- a) Display all the employees with their Departments .Output contains
- b) The employee names and all the department names present in the database
- c) Syntax error
- d) Incomplete Query

Answer : A

109. Which is the top .NET class from which everything is derived?

Choose most appropriate option

- a) System.Collections
- b) System.Globalization
- c) System.Object
- d) System.IO

Answer : C

110. From the following option choose the features of WPF

Choose three appropriate options

- a) Rich Composition
- b) Separation of appearance and behavior
- c) Resolution dependence
- d) Highly customizable

Answer : A , B ,D

111. WCF host can be IIS or WebService or Console Application

Choose most appropriate option

- a) TRUE
- b) FALSE

Answer : TRUE

112. Sam is developing an application in which he wants to use child controls are positioned by rows and columns . which layout he can use ?

Choose most appropriate option

- a) Grid
- b) Canvas
- c) Dock panel
- d) Stack panel

Answer : A

113. Identify the code snippet for creating custom exception class

Choose most appropriate option

- a) Class CustomException:ApplicationException{}
- b) Class CustomException : AppException{}
- c) Class ApplicationException : CustomException{}
- d) None of the above

Answer : A

114. Which of the following is true about overloading?

Choose most appropriate option

- a) Overloaded methods must change the argument list.
- b) Overloaded methods can change the return type.
- c) Overloaded methods can change the access modifier.
- d) All of the above.

Answer : D

1) Identify the Reference types ?

(Choose two correct options)

a) string

b) delegate

c) enum

d) int

Ans: string, delegate

2) What will the output for the following code ?

```
class SampleClass
{
    public static int GetAdd(int num1,int num2)
    {
        Console.WriteLine("Addition is {0}",(num1+num2));
        return (num1 + num2) / 2;
    }
    public static int GetMul(int Val1,int Val2)
    {
        Console.WriteLine("Multiplication is {0}",(Val1*Val2));
        return (Val1 * Val2) / 2;
    }
}

class Program
{
    delegate int TestDelegate(int n1, int n2);

    static void Main(string[] args)
    {
        TestDelegate testDelegate = null;
```

```

        testDelegate += SampleClass.GetAdd;

        testDelegate += SampleClass.GetMul;

        Console.WriteLine("Final Result {0}",testDelegate(4,4));

        Console.ReadLine();

    }

}

```

Ans: Addition is 8

Multiplication is 16

Final Result 8

3) What will be the output for the following program?

using System;

class Program

```

{
    static void Main(string[] args)
    {
        string fruit1 = "Banana";
        string fruit2 = fruit1.Replace('a', 'e');
        Console.WriteLine(fruit2);
        Console.ReadLine();
    }
}

```

Ans : Benene

4) What will be the output for the following program?

using System;

class DynamicDemo

```

{

```



```

static void Main(string[] args)
{
    dynamic val1 = 500;

    dynamic val2 = "jyothi";

    val2 = val1;

    Console.WriteLine("val1={0},val2={1}",val1.GetType(),val2.GetType());

    Console.ReadLine();

}
}

```

Ans : val1=System.Int32,val2=System.Int32

5) The class which doesn't allow objects creation, but represents as parent class of child classes, is known as _____

- a) Static
- b) Sealed
- c) Abstract
- d) Partial

Ans: Abstract

6) Which of the following statements are TRUE about private Assembly?

- a. Application which refers private assembly will have its own copy of the assembly
- b. There will be only one copy of the assembly and it will be stored in Global assembly cache

options:

- a) only a
- b) only b
- c) Both a and b
- d) Neither a nor b

Ans :Both a and b

7) What will be the output for the following program?

NOTE : Line numbers are only for reference

```
class Program {  
    static void Method(int[] num)//line1  
    {  
        num[0] = 11;  
    }  
    static void Main()  
    {  
        int[] numbers = { 1, 2, 3 };  
        Method(numbers);//line2  
        Console.WriteLine(numbers[0]);  
    }  
}
```

Ans : 11

8) What will be the output for the following program?

```
using System;  
  
class A  
{  
    public A()  
    {  
        Console.Write("Class A" + " ");  
    }  
}  
  
class B : A  
{  
    public B()  
    {
```

```

        Console.WriteLine("Class B" + " ");
    }
}

class ConstructorChainDemo
{
    public static void Main(string[] args)
    {
        A bobj = new A();
    }
}

```

options:

- a) class A class B
- b) class B class A
- c) class B
- d) class A

Ans: class A

9) Consider the following languages specifications which must be met by a programming component to be re-used across multiple languages:

Instance members must be accessed only with the help of objects

The above specifications is provided by ?

- a) Common Language Specifications(CLS)
- b) Common Type System(CTS)
- c) Attributes
- d) JIT Compiler

Ans: CLS

10) Method overloading is a concept related to?

[Choose the most appropriate option]

- a) dynamic polymorphism
- b) static polymorphism
- c) abstract class
- d) encapsulation

Ans: static polymorphism

11) What will be the output for the following program?

using System;

class StaticDemo

```
{  
    private static int number = 100;  
    static StaticDemo()  
    {  
        number = number + 1;  
    }  
    public StaticDemo()  
    {  
        number = number + 1;  
        Console.Write(number + " ");  
    }  
}
```

class NormalConstructionProgram

```
{  
    static void Main(string[] args)  
    {  
        StaticDemo obj= new StaticDemo();  
    }  
}
```

options:

- a) 100
- b) 101
- c) 102
- d) 103

Ans: 102

12) Which of the following statements are TRUE about generics?

[Choose two correct options]

- a) Generics does not need to perform boxing
- b) Generics does not need to perform unboxing
- c) Explicit typecasting is required in generics
- d) a generic declared to hold integer values can hold both integer and string values

Ans: Generics does not need to perform boxing

13) _____ class is used to find out object's metadata i.e, methods, fields, properties at

- a) System.Type
- b) System.Reflection
- c) System.Assembly
- d) System.String

Ans: System.Type

14) What will be the output for the following program?

class Test

```
{  
    int num1 = 10;  
    public Test()  
    {  
        Console.Write(num1 + " ");  
    }  
}
```

```

    public Test(int num2)
    {
        Console.Write(num2);
    }
}

class program
{
    public static void Main()
    {
        Test obj = new Test();
        Test obj1 = new Test(10);
    }
}

```

Ans : 10 10

15) Which of the below option is FALSE related to abstract class?

[Choose most appropriate option]

- a) Abstract class can contain constructors
- b) Abstract class can be instantiated
- c) Abstract class can have abstract and non-abstract methods

Ans: Abstract class can be instantiated

16) What will be the output for the following program?

```

using System.Collections;

using System;

public class program
{
    public static void Main(string[] args)
    {

```

```

ArrayList fruits = new ArrayList(){ "Apple", "Banana", "Orange" };

fruits.Insert(2, "Grapes");

fruits.Add("Bilberry");

foreach(var item in fruits)
{
    Console.WriteLine(item);
}
}

```

Ans : Apple Banana Grapes Orange Bilberry

17) using System;

class Program

```

{
    static void Method(int[] num)
    {
        num[0]=11;
    }

    static void Main()
    {
        int[] numbers={1, 2, 3};

        Method(numbers);

        Console.WriteLine(numbers[0]);
    }
}

```

Options:

- a) 11
- b) 1
- c) compilation error at line 2
- d) 11 2 3

Answer: 11

18) Identify the keyword used to specify that the class cannot participate in inheritance?

a) abstract

b) sealed

c) virtual

d) override

Answer: b) Sealed

19) using System;

public class StaticTest

```
{  
    static int num1=55;  
    public void Display(int num)  
    {  
        num1 += num;  
        Console.WriteLine("Value of num1 is "+ num1);  
    }  
}
```

public class Program

```
{  
    static void Main()  
    {  
        StaticTest obj1= new StaticTest();  
        obj1.Display(10);  
        StaticTest obj2= new StaticTest();  
        obj2.Display(20);  
    }  
}
```


Answer: Value of num1 is 65 Value of num1 is 85

20) using System;

class Program

```
{  
    static void Main()  
    {  
        int[] first = {6, 7};  
        int[] second = {1, 2, 3, 4, 5};  
        second = first;  
        foreach(int j in second)  
        {  
            Console.WriteLine(j);  
        }  
    }  
}
```

Answer: Prints 6 7

21) Which access specifier can be accessed anywhere in the Assembly but not outside the Assembly?

- a) internal
- b) public
- c) private
- d) protected

Answer: a) internal

22) Which Feature of C# is Demonstrated by the following code ?

using System;

class Employee

```
{  
    int id;
```

```

public int Id
{
    get { return id;}

    internal set { id = value;}
}
}

```

Options:

- a) Automatic properties
- b) Read only property
- c) Abstraction
- d) Asymmetric property

Answer: Asymmetric property

23) Predict the output of the following code:

```

enum Numbers

One=100,

Two, Three

}

class Program

static void Main()

Console.WriteLine((int)Numbers. Three );

```

Answer : 102

24) What will be the output of following code

```

int? num= 100; num= null

Console.WriteLine(num.GetValueOrDefault())

```

Answer: 0(zero)

25) class Program

```

{

```

```

static void Method(int[] num) {
    num[0] = 11
}

static void Main()
{
    Int[] numbers = {1,2,3}

    Method(numbers)

    Console.WriteLine(number[0]);
}

```

Answer = 1 1

26) using System;

```

class Demo (
    static int x;

    int y

    Demo(){
        X++;

        Y++;

        Console.Write(x + " " + y + " ");
    }

    static void Main(string[] args)
    {
        Demo d1 = new Demo();

        Demo d2 = new Demo();
    }

```

Answer = 1 1 2 1

27) class Program

```

{
static void Main()
{
int first = (6, 7);
int[] second = {1, 2, 3, 4, 5};
second = first;
foreach(int j in second)
{
Console.WriteLine(j);
}}}

```

Answer – 6,7

28) using System:

```

class Program{
void Method(int a, int b, out int c, ref int d)
{
a = a +1;
b= b+ 2;
c = a + b;
d = c -1;
}
static void Main()
{
int first = 10, second =20, third, fourth = 30 ;
Program p = new Program()
p. Method(first, second, out third, ref fourth);
Console.WriteLine("{0} (1) (2) (3), first, second,third, fourth);
}}

```

Answer – 10 20 33 32

29) class Test

```
{  
  
int num1 = 10;  
  
public Test()  
{  
  
Console.Write(num1+" ");  
  
}  
  
public Test(int num2)  
{  
  
Console.Write(num2);  
  
}  
  
}  
  
class Program  
{  
  
public static void Main()  
{  
  
Test obj = new Test();  
  
Test obj1 = new Test(10);  
  
}}}
```

Answer – 10 10

30)using System;

Public class StaticTest

```
{  
  
Static int num1=55;  
  
Public void Display(int num)
```

```

{
    num1 += num;

    Console.WriteLine("Value of num1 is " + num1);
}
}

```

Public class Program

```

{
    Static void Main()
    {
        Static void main()
        {
            StaticTest obj1 = new StaticTest();
            Obj1.Display(10);
            StaticTest obj2 = new StaticTest();
            Obj2.Display(20);
        }
    }
}

```

Answer – value of num1 is 65 value of num1 is 85

31) using system:

class NamedParameterExample

```

{
    static void Method(int num1, int num2, int num3=30)
    {
        Console.WriteLine("num1={0}, num2={1}, num3={2}", num1, num2, num3);
    }

    public static void Main()
    {
        Method(num2: 20, num1: 10, num3:100);
    }
}

```

```
}}
```

Answer – num1= 10, num2=20,num3=100

```
32)using System;
```

```
Class DynamicDemo
```

```
{
```

```
Public static void main(string[] args)
```

```
{
```

```
Dynamic val1 =500;
```

```
Dynamic val2="jyothi";
```

```
Val2=val1;
```

```
Console.WriteLine("val1={0},val2={1}",val1.GetType(),val2.GetType());
```

```
}
```

```
}
```

Answer- val1=System.Int32,val2=System.Int32

```
33)using System;
```

```
using System.Collections;
```

```
namespace ConsoleApplicationDemo
```

```
{
```

```
class Program
```

```
{
```

```
static void Main(string[] args)
```

```
{
```

```
ArrayList myList = new ArrayList();
```

```
myList.Add(32);
```

```
myList.Add(12);
```

```
myList.Add(22);
```

```
myList.Sort();
```

```

        for(int index=0; index<myList.Count; index++)
        {
            Console.Write(myList[index] + "\t");

        }

    }

}

```

Answer: 12 22 32

```

34)using System;

namespace Test_App
{
    class SampleClass
    {
        public void GreetUser()
        {
            Console.WriteLine("Hello Customer");
        }

        static void Main(string[] args)
        {
            global::Test_App.SampleClass sc= new SampleClass();

            sc.GreetUser();

            Console.ReadLine();
        }
    }
}

class SampleClass
{

```



```

    public void GreetUser()
    {
        Console.WriteLine("Hello Premium Customer");
    }
}

```

Answer: Hello Customer

35) _____ class is used to find out object's Metadata i.e, methods, fields, properties at runtime

- a) System Type
- b) System Reflection
- c) System Assembly
- d) System String

Answer: System Reflection

36) Which of the following Attribute should be used to indicate the property must NOT be serialized while using .JSON serializer ?

- a) XMLIgnore
- b) IgnoreDataMember
- c) IgnoreProperty
- d) JsonIgnore

Answer: JsonIgnore

37) using System;

public class program

```

{
    public static void Main(string[] args)
    {
        try
        {
            int num1=5;

```

```
Console.WriteLine(num1);

try
{
    int num3= 5;

    int num4= 0;

    int num5= num3/num4;

    Console.WriteLine(num4);
}

catch (DivideByZeroException ex)

{
    Console.WriteLine("Divide by zero Exception");
}

catch (Exception ex)

{
    Console.WriteLine("Inner Catch");
}

}

catch (Exception ex)

{
    Console.WriteLine("Outer Catch");
}

}

}
```

Answer: 5 Divide by Zero Exception

38) Which serialization serializes even private access specifier properties

a) XML

- b) Binary
- c) JSON
- d) None of the given choices

Answer: Binary

39) Method overriding is a concept related to ?

- a) Dynamic Polymorphism
- b) static polymorphism
- c) abstract class
- d) encapsulation

Answer: Dynamic Polymorphism

40) Which of the following is Generic collection ?

- a) List
- b) ArrayList
- c) Hash Table
- d) String Collection

Answer: List

41) Which of the following is FALSE about Interface ?

- a) The methods inside interface are abstract
- b) Interface can have constructors
- c) Interface can contain one or more methods
- d) interface methods by default are public

Answer: Interface can have constructors

42) using System;

int index;

int value = 100;

int[] arr = new int[10];

try{

```

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

    index = Convert.ToInt32(Console.ReadLine());

    arr[index]= value;
}

catch (FormatException e)

{

    Console.Write("Bad Format ");

}

catch (IndexOutOfRangeException e)

{

    Console.Write("Index out of bounds ");

}

{

    Console.Write("Remaining program");

}

```

Answer: Bad Format Remaining program

```

43) using System;

class ConstructorDemo

{

    private int number= 300;

    public ConstructorDemo()

    {

        number=number+1;

        Console.Write(number+"\t");

    }

    public ConstructorDemo(int num)

    {

```

```
        number+=num;

        Console.Write(number+"\t");
    }
}

class NormalConstructorProgram
{
    static void Main(string[] args)
    {
        ConstructorDemo obj= new ConstructorDemo();

        ConstructorDemo obj1= new ConstructorDemo(200);
    }
}
```

Answer: 301 500

1. which of the following LINQ API is used to connect and work with sql server --> LINQ to SQL.
2. which property of the DATA Table returns a collection of objects which contains all the rows of the DATA Table --> Rows Psop.
3. Which of the following statements are TRUE about foreign key?
 - 1.Forriegn key can accept NULL values.
 - 2.Relationship between two tables is established using foregin key --> BOTH 1 and 2.
4. Create table Employee
 (EmpId int primary key identity(1,1) ,EmpName varchar(50) not null,
 city varchar(50) check (city in ('Bangalore','pune','Hyderabad'))

 statement 1:
 insert into Employee values(1,'Robert','pune')
 statement 2:
 insert into Employee values(null,'chennai')
 Assumption:Employee table doesnot have any records -----> 1-True,2-False.
5. which of the following ado.net data provider is used to connect to Excel file.
 ---> OLEDB
- 6.EmployeePayHistory (EmployeeID int primary key, rate int not null)
 you need to display the total number of employees whose rate is 26.
 how will you generate the require result?-----> A.selectcount(EmployeeID) AS total.. B.select count(rate) as'total....[A&B].
7. public class Employee{


```

      public int EMPID {get;set;}
      public string EmpName{get;set;}
      public Dept Dept{get;set;}
      public Project project{get;set;}
      
```

 ----> Both EmpId and EmpName.
8. Dataset is a collection of which of the following? -->
9. You want to retrieve the name and price of a product from a table based on a unique product id which method of the SqlCommand class can be used to perform this task? --->
10. Table Name: Books


```

      create view vwBookDetails
      As
      Select Bookid, title, totalpages from books
      insert into vwBookDetails(bookid,title) values (101,'the sqlserver workshop');
      Assumption: NO records are present in the table
      -----> Record gets inserted to tables.
      
```
11. Choose the correct SQL query to fetch details of employees from employee table and whose EmpName ends with an alphabet 'a' and has second letter as 'r'. --->
12. which of the following object can store more than one table data and stores the information in memory ---> Dataset.
13. Consider a table "dept" is already created in SQLServer and you have decided to change the size of one of the column of the table. ----> Alter.
14. Jhon is a novice developer and he created the entity data model using database first approach He is confused about which EDM layer stores the information like tables views and stored procedures. help john in identifying the suitable layer? ----> Storage Layer.
15. Jhon wants to know which Model generation approach in entity framework he can use so that he wants to create Model classes based on the designer tool and then based on this the database will be created? -----> model first.
16. Which of the following LINQ syntax can be used to retrieve the contents of an integer array called "numbers" in descending order ----> D.from i in numbers orderby numbers descending OR A.from i in numbers orderby i descending select i.
17. How many primary keys can be there for a table? -->One.
18. Which of the following Linq Api is used to connect and work with collections the arraylist etc. --->Linq to objects.
19. Identity which of the following variables are global variables in SQL server.

----> (A,B)@@identify,@@Error.

20. Consider a table employee with empname as one of its column and you want to fetch as employees whose empname starts with 'a' and ends with 'e' character. -----> a%e.

```
21. using System;
    using System.Linq;
    class SimplestLambda{
    static void main(){
    int[] scores={9,7,82,85,95,2};
    int highScoreCount =scores.Where(number =>number<80.Count();
    Console.WriteLine(highScoreCount);
    }
    } ----->3
```

```
22. using System;
    using System.Linq;
    class LINQ1{
    static void main(String[] args){
    int[] array1={8,4,7,3,6,1};
    var result= from number in array1 where (number % 2)==0
                orderby number descending
                select number;
    foreach (int value in result)
    {
        Console.Write(value+" ");
    }
    } -----> 8 6 4.
```

23. create table Customer
(custId int primary key, custName varchar(50) not null,
city varchar(50) check (city in ('Bangalore',
'pune','Hyderabad')))

statement 1:

insert into Customer values(1,null,'pune,)

statement 2:

insert into Customer values(2,'Mark','Chennai');----->Both
statement fails and no records gets added.

24. which of the following command in SQL server makes the updates performed by the
explicit transaction permanent in the database -----> COMMIT.

25. peter is a novice developer who wants to perform the operation on set of
records from database in a read only and forward only mode.He wants to know which
method of sqlCommand to be executed to achieve the same -----> ExecuteReader.

```
26. Public int GetEmpCount(){
    connEmp.Open();
    cmdEmp=new SqlCommand("select count(*) from employees", connEmp);
    connEmp.Close();
    return count;
} ----->int
```

count=Convert.ToInt32(cmdEmp.ExecuteScalar());

```
27. public class Employee{
    public int EMPID {get;set;}
    public string EmpName{get;set;}
    public double Salary{get;set;}
    public Dept Dept{get;set;}
} -----> Dept.
```

28. How will a developer specify that a stored procedure is being called from
ADO.NET? ---->Setting the CommandType property of the sqlCommand object to

storedProcedure.

29. What will be the data type of the result variable shown in the following code snippet?

```
var result= from e in employees select e;
----->IEnumerable<Employee>
30. using System;
    using System.Linq;
    class LINQEx
    {
        static void Main(String[] args){
            String[] accenture={"HDC","BDC","CDC",...}
        };
        var result =accenture.Select(location =>location).Count();
        /******Missing Code to print */
    }
}
----->
Console.WriteLine(result);
```

31. Consider a data context class called EMPLOYEEContext with a property called Employees of type DbSet<Employee>

which of the following queries can be used to delete the details of an employee based on the

employeeId 101?the Employee Id is the primary key in the database.

```
----->EmployeeContext context=new EmployeeContext();
```

```
var employee=context Employees.Remove(context.Employees.Find(101));
```

32. Jhon wants to know which model generation approach in entity framework he can use so that he wants to create the tables in database and then create EDM based on the tables? ----->Database first.

33. Which of the following command needs to be changed in ADO.Net to specify that we are using with stored procedure? ---

```
>cmdEmp.CommandType=CommandType.StoredProcedure.
```


1. consider a table "dept" is already created in sql server and you have decided to change the size of one of the column of the table . which of the following command will you use to achieve it?

Ans: (Alter)

2. How many primary keys can be there for a table?

Ans: (One) (primary key)

3. Consider the employee pay history table structure as follows:

You need to display the total number of employees whose rate is 26?

Ans: A & B (count(Employee Id), count(Rate))

4. John has been asked to create a stored procedure on the following table structure

Ans: opt. B (@UserName VARCHAR(50) OUTPUT)

5. Which of the following options can be used to retrieve the employee name and department name of the employees who can earn more than 50000?

Ans: A (..inner join..)

6. Identify which of the following variables are global variables in sql server?

Ans: @@identity, @@encv

7. Create table customer

(banagalore, pune, huyderabad)

Ans: Both statements are not executed

8. you want to retrieve the name and price of a product from a table based on a unique id which method of the SQL command class can be used to perform this task?

Ans: ExecuteReader

9. Consider following code and identify the scalar properties of entity data model

Assumption: employee, dept, project are valid classes

Ans: EmpId, EmpName

10. What will be the output of the following program in linq

{8,4,7,3,6,1}

Order number by descending

Ans: 8 6 4

11. Which of the following linq api is used to correct and work with collectors like array /list etc

Ans: A

12. Suggest the suitable method for Peter to choose?

Ans: ExecuteReader

13. {9,7,82,85,95,2}

Console.WriteLine(highestscorecount);

Ans: 3

14. {9,7,82,85,95,2}

Console.WriteLine(highestscorecount);

Ans: 3

15. John wants to know which model generation approach in entity framework he can use so that he wants to create model class based on the designer tool and then based on the database will be created ?

Answer : model first

16. Help John in identifying the suitable layer

Answer : Storage layer

17. Choose the above appropriate option to display temperature recorded in descending order

Ans: A (order by c.TemperatureRecorded descending select c;)

18. Consider a table employee with empname has one of its column and you want to fetch all employees whose empname starts with a and ends with E character

Ans: a%e

19. a view is created on the above table as follows

create view bookdetails as select bookID, title, total pages from books

Ans: view doesnot allow insert oper.

20. Which of the following statements are true about foreign key

1.foreign key can accept null values

2.relation between two table is established using foreign key

Ans: C (both 1 and 2)

21. Consider you have created a stored procedure called 'getemps' in SQL Server and you need to specify this in your ado.net code so that command understands it needs to execute stored procedure which of the following code is correct in this regard

Assumption: connemp is a valid SQL connection object,cmdemp is valid SQL command object

Ans: A

22. Select the code to be written to complete the above program

Assumption: employees is a valid table in database, connemp is valid connection

Object, cmdemp is valid command object

Ans: Commonobj.Execute scalar()

23. John is a novice developer and he has created the entity data model using database first approach he is confused about which EDM layer stores the information like tables views and stored procedures help John in identifying the suitable layer

Ans: storage layer

24. How many records will the above code fetch

Assumption : connemp is valid connection object, Dr is a valid datareader object ,CMDempDR is a valid command object

Ans: 15

25. which of the following object can store more than one table data and stores the information in memory

Ans: B (Data set).

26. which of the following link syntax can be used to retrieve the contents of an integer array called "numbers" in descending order

Ans: A (...order by i....)

27. which of the following linq api is used to connect and work with SQL server

Ans: B (LINQ in Sql)

1. Choose the appropriate option to display temperature recorded in descending order

Answer: A

2. vwBookdetails (bookid, title) values(101. The sqlserver workshop)

answer: records gets inserted to table

3. peter is a novice developer who wants to perform the operation on set of records from database suggest a suitable method for peter to choose?

Ans: Executereader

4. given a table cityweatherdetails

Ans: A

5. you want to retrieve the name and price of a product from a table based on a unique product in which method of the SQL command classes can be used to perform this task?

Ans: **B**

6. john has been asked to create a stored procedure on the following table structure

Users(userid int, username varchar(50))

Assumption: userID is primary key user name is not null

Ans: B

7. Unknown

Ans: both statement fails and no records get added

8. which of the following command in SQL server makes the updates performed by the explicit transaction permanent in the database?

Ans: Commit

9. which of the following ado.net data provider is used to connect the excel file

Ans. OLEDB

10. consider following code and identify the navigation properties off entity data model assumption: employee and dept are valid classes

Ans: Dept

11. which of the following linq api is used to connect and work with collections like arraylist etc

Ans: LINQ to OBJECTS

12. how will it developer specify that a stored procedure is being called from ADO.Net ?

Ans: B

13. consider a class called employee and generate list of employee instances called "employees" what will be the data type of the result variable shown in the following code snippet

Ans: IEnumerable<Employee>

14. consider a data context class called employeecontext with the property called employees of type DbSet<employee>

Ans: B

15. given a table productdetails

Choose appropriate option to display count of products using EF where prices more than 1000

Ans: B

1.What are the different components of LINQ?

Choose four appropriate options.

a) LINQ to Objects

b) LINQ to XML

c) LINQ to SQL

d) LINQ to DataSet

e) LINQ to Datatable

f) LINQ to DataRow

2.____ provides a means of reading a forward-only stream of rows from a SQL server database.

Fill in the blank with an appropriate option

a) SqlDataReader

b) Dataset

c) DataTable

d) Dataview

Answer: a

3.The goal of ____ is to decrease the amount of code and maintenance required for data-oriented applications

Choose the appropriate option

- a) LINQ to C#
- b) LINQ to Entities
- c) LINQ to Database
- d) LINQ to XML

Answer: b

4. A class source-code file that is compiled at run time. These classes can be: HTTP Module, HTTP Handler. Can also be a code-behind file for an ASP.NET page or a stand-alone class file containing application logic- find the extension of these files above

Choose most appropriate option

- a) .config
- b) .cs, .jsl, .vb
- c) .licx, .webinfo
- d) .resources, .resx

Answer: b

5. Shruthi is working as a developer. She has to write the code to Create a ConnectionString. Which of the following parameter of ConnectionString she should use to specify the name of the database ?

Choose two appropriate options.

- a) Provider
- b) Initial Catalog
- c) Database
- d) Data Source

Answer: b c

Rohit wanted to print the SQL server name of his system. Which code should use in SQL server name?

Choose two most appropriate options.

- a) **Select @@servername**
- b) **print@@servername**
- c) select@@server
- d) print@@server

Which of the following is true about ADO.NET?

Choose most appropriate option.

- a) ADO.NET is an object oriented set of libraries that allows you to interact with data sources.
- b) ADO.NET classes are found in System.Data.dll.
- c) ADO.NET classes are integrated with XML classes.
- d) ADO.NET contains .NET Framework data provider for connecting to a database.

e) All of the above.

LINQ relied on the concepts of extension of extension methods, anonymous types, anonymous methods and _____.

Fill in the blank with an appropriate option.

- a) **Lambda expressions**
- b) Xml expressions
- c) Data expressions
- d) Sql expressions

A/An _____ that does not have a WHERE clause produces the Cartesian product of the tables involved in the join.

Choose the appropriate option

- a) Equi Join
- b) Inner Join
- c) Self Join
- d) Cross Join**

Arun wants to retrieve result using a query "select count(*) from employee". Which is most appropriate SqlCommand method for his requirement

Choose most appropriate option

- a) ExecuteReader
- b) ExecuteQuery
- c) ExecuteNonQuery
- d) ExecuteScalar**

```
CREATE VIEW [dbo].[viewmyTable] AS SELECT D.DeptName, D.Location, E.Name FROM  
Department D LEFT OUTER JOIN Employee E ON D.DeptID = E.DeptID GO
```

Predict the output, when the above query executed?

Choose most appropriate option

- a) Commands execute successfully**
- b) Incomplete query
- c) Syntax error

```
CREATE VIEW [dbo].[viewmyTable] AS SELECT D.DeptName, D.Location, E.Name FROM  
Department D LEFT OUTER JOIN Employee E ON D.DeptID = E.DeptID GO
```

Predict the output, when the above query executed?

Choose most appropriate option

- a) Commands execute successfully**
- b) Incomplete query
- c) Syntax error

What is/are the advantages of LINQ over stored procedures?

Choose most appropriate option.

- a) Debugging- it is really very hard to debug the stored procedure but as LINQ is part of .NET, you can use visual studio's debugger to debug the queries.
- b) Deployment- With stored procedures, we need to provide an additional script for stored procedures but with LINQ everything gets compiled into single DLL hence deployment becomes easy.
- c) Type Safety- LINQ is type safe, so queries errors are type checked at compile time. it is really good to encounter an error when compiling rather than runtime exception
- d) All of the above**

Answer: d

76. which of the below are valid Statements about DataReader and Data set

Choose most appropriate option.

- a) DataReader reads all the records at a time and it is used in multiple databases.
- b) DataSet always reads one record at a time and it moves into a forward direction.
- c) DataReader is a connected Architecture**
- d) Dataset is a collection of in memory tables**

Answer: c, d

All query operations of LINQ consist of three distinct actions

Choose most appropriate option.

- a) 1. Obtain the data source 2. Declare the Data source 3. Execute the data source
- b) 1. Declare the data source 2. Initialize the query 3. Execute the query

c) 1. Declare the Data source 2. Create the data source 3 .Execute the Data source

d) 1. Obtain the data source 2.Create the query 3. Execute the query

Answer:d

89. _____ is a pre defined, reusable routine that is stored in a database

Fill the blank with most appropriate option.

a) Function

b) Stored Procedure

c) View

d) Joins

Answer:b

In LINQ , all the core types are defined in _____

Choose most appropriate option.

a) System.Linq.XML and System.Linq.Expressions

b) System.Linq and System.Linq.XML

c) System.Linq and System.Linq.Expressions

d) System.XML.Linq and System.Linq.Expressions

CREATE VIEW [dbo].[viewmyTable] AS SELECT D.DeptName , D.Location , E.Name FROM
Department D JOIN Employee E ON D.DeptID = E.DeptID GO Predict the output , when the
above view is executed ?

Choose most appropriate option

a) A view will be created by selecting deptname , location from the department table and
employees name from the employee table .

b) Syntax error

c) Incomplete query

d) A view will be created by selecting deptname , location and name from the department
table.

Answer : A

VIEW [dbo].[viewmyTable] AS SELECT D.Deptname,D.location ,E.Name FROM
Department D FULL OUTER JOIN Employee E ON D.DeptID = E.DeptID

Whats the output , when the above query is executed?

Choose most appropriate option

a) Display all the employees with their Departments .Output contains

b) The employee names and all the department names present in the database

c) Syntax error

d) Incomplete Query

In ADO.net to manage data in disconnected mode

Ans:-SQL Data Adapter

16)Which SQL data types should be used to hold unicode char?

Ans:- I think it is NCHAR-not sure

17)2 fundamental objects in ADO.Net?

ANS:SQLConnection

SQLCommand

Which of the following is an SQL command? (Select the best option)

a. INSERT

b. COMMIT

c. UPDATE

d. DELETE

e. **All of the above**

E) Correct. All are valid SQL commands.

64) SELECT *

FROM Customers

WHERE Phone LIKE '6_6%'

Which Customer Phone column will be selected when the above query is executed? (Select the

best option)

a. **626 362-2222**

b. 416 626-6232

c. 623 455-6545

d. All of the above

A) Correct. The underscore '_' wildcard matches any single character in that particular position. The

percentage sign '%' matches to any number of characters in that specific position. Only option A

satisfies this requirement for '6_6%'.

65) Which of the following "ORDER BY" clauses displays the result in a descending order by

the attribute salary? And, if two records have the same attribute value for salary the sorting

criteria is in an ascending order by the attribute value for job_id? (Select the best option)

a. ORDER BY salary DESC and job_id ASC

b. ORDER BY job_id ASC and salary DESC ASC

c. **ORDER BY salary DESC, job_id ASC**

d. ORDER BY job_id ASC, salary DESC

e. None of the above

A) Correct. This option will display records of salary sorted in descending order with a secondary sort

by job_id in ascending order.

Explanation for Faculty:

Order By clause is used to sort data selected from the table in a specified order and can only be used

in SELECT statements. The syntax is "ORDER BY columns ASC|DESC". By default, it is set to

ascending order.

66)

1 Select savings account

2

3 Update savings account

4

5 Select checking account to update

6

7 Update selected checking account with the values from the savings account

8

Given the above pseudo code that transfers funds from a savings account to a checking

account, where would you add a COMMIT statement to complete the transaction?

(Select

the best option)

a. After line 1

b. After line 3

c. After line 5

d. **After line 7**

A) Correct. Usually a commit statement is added only when all series of commands (or the whole complete transaction) is finished.

67) Which statement about SqlDataReader in ADO.NET is true?

a. It is the most efficient object in ADO.Net for quickly reading data

b. Data can be read only in a forward stream of rows

c. .ExecuteReader method of SqlCommand object is used to create a SqlDataReader

d. **All of the above**

A) Correct. All of the above statements for SqlDataReader are correct

68) Which of the following is true about ADO.NET?

a. Is an object - oriented set of libraries that allow you to interact with data sources

b. Classes are found in System.Data.dll

c. ADO.Net classes are integrated with XML classes

d. Contains .Net framework Data providers for connecting to a database

e. **All of the above**

A) Correct. All of the statements about ADO.Net are true.

69) What is SQL (Structured Query Language)? (Select the best option)

a. A software problem

b. A structured way of validating the requirements and ensuring that the solution meets the expectations

c. **A standard interactive and programming language for getting information from and updating a database**

d. All of the above

C) Correct. SQL has become an industry standard for creating, updating and querying database management systems.

70) With SQL, how do you select a column named "FirstName" from the table named

"Persons" ? (Select the best option)

f. Extract FirstName from persons

g. SELECT Persons.FirstName

h. **SELECT FirstName from Persons**

i. None of the above

C) Correct. The syntax for the Select command is "SELECT column FROM table".

71) Which of the following is true about SQL statements? (Select the best option)

a. SQL statements are not case sensitive

b. SQL statements can be on one or more lines

c. SQL statements are optionally ended with ";"

d. **All of the above**

e. None of the above

D) Correct. All of the statements are true.

71) Character strings and dates in the Where clause must be enclosed in: (Select the best option)

k. **Single Quotation marks (')**

l. Parenthesis

m. Double Quotation marks (")

n. None of the above

A) Correct. Single quotation marks are used to enclose characters, strings and dates.

72) Which SQL statement is used to insert new data in a database? (Select the best option)

- a. Add New
- b. Add Record
- c. **Insert Into**
- d. Insert New
- e. None of the above

C) Correct. Insert Into is the only command for inserting data.

73) In SQL, how do you select all the records from a table named "Persons" where the value

of the column "FirstName" is "Peter"? (Select the best option)

- f. SELECT [all] FROM Persons WHERE FirstName='Peter'
- g. **SELECT * FROM Persons WHERE FirstName='Peter'**
- h. SELECT * FROM Persons WHERE FirstName LIKE 'Peter%'
- i. SELECT [all] FROM Persons WHERE FirstName LIKE 'Peter'

B) Correct. This option retrieves records from the Persons table with Peter as the firstname.

74) Which SQL keyword is used to sort the result-set? (Select the best option)

- f. Group By
- g. Arrange By
- h. **Order By**
- i. Sort By

C) Correct. 'ORDER BY' is the best keyword used to sort either by ascending or descending.

75) Which statement is used to change "Hansen" into "Nilsen" in the "LastName" column in the

Persons table? (Select the best option)

- a. UPDATE Persons SET LastName='Hansen' INTO LastName='Nilsen'
- b. MODIFY Persons SET LastName='Hansen' INTO LastName='Nilsen'
- c. **UPDATE Persons SET LastName='Nilsen' WHERE LastName='Hansen'**
- d. MODIFY Persons SET LastName='Nilsen' WHERE LastName='Hansen'

C) Correct. This option contains the correct syntax for updating rows in a table.

76) Which of the following are Transaction Control statements? (Select the best option)

- a. Commit
- b. Rollback
- c. Order By
- d. **A & B**
- e. All of the above

A) Correct. Both Commit and Rollback are transaction control statements. Commit is used to commit

the current transaction, making all the previous changes permanent, while rollback aborts the

current transaction, discarding all the updates of that particular transaction.

77) Which of the following is an ADO.NET Data provider (Select the best option)

- a. OleDb Data Provider
- b. ODBC Data Provider
- c. Oracle Data Provider
- d. SQL Data Provider
- e. **All of the above**

E) Correct. All of the above listed data providers are ADO.NET data providers.

78) Match the concepts in the list on the right with their correct descriptions.

b 1) Retrieves a single value (for example, an

aggregate value) from a database

a) ExecuteXmlReader

d 2) Executes commands that return rows b) ExecuteScalar

c 3) Executes commands such as Transact-SQL

INSERT, DELETE, UPDATE statements

c) ExecuteNonQuery

a 4) Sends the CommandText to the Connection and builds an XmlReader object

d) ExecuteReader

Feedback:

A) ExecuteScalar retrieves a single value (for example, an aggregate value) from a database

B) ExecuteReader executes commands that return rows

C) ExecuteNonQuery executes commands such as Transact-SQL INSERT, DELETE, UPDATE, and SET statements

D) ExecuteXmlReader sends the CommandText to the Connection and builds an XmlReader object.

79) Which of the following is **the correct** Connection string format used for connecting a SQL

Server Database? (Select the best option)

f. SqlConnection conn = new SqlConnection("Data Source = DatabaseServer; Initial Catalog=Northwind;User ID = YourUserID ; Password =YourPassword");

g. SqlConnection conn = new SqlConnection("Data Source = (local);Initial Catalog = ' ' ;

Integrated Security= 'Northwind');

h. SqlConnection conn = new SqlConnection("Initial Catalog = Northwind");

i. SqlConnection conn = new SqlConnection("Data Source = (local);Initial Catalog = ' SSPI' ;

Integrated Security= 'Northwind');

Which method of the DbCommand object executes a DML statement against a connection and returns

the number of rows affected?

ExecuteReader()

CreateObjRef()

ExecuteNonQuery()

ExecuteScalar()

ANSWER 3

InsertCommand ,UpdateCommand and DeleteCommand properties are available in _____ object.

DataAdapter

DataReader

DataSet

Command

ANSWER 1

_____ enables you to create different views data from the Datatable object.

DataAdapter
DataSet<T>
DataView<T>
Command<T>
ANSWER 3

Which of the following components of a data provider is used to retrieve, insert, delete, or modify data in a data source?

Connection
Command
DataReader
DataAdapter
ANSWER 2

A _____ subquery executes as many times as the inner query executes.
Subquery with the ANY clause.
Subquery with the ALL clause.
Subquery with the IN clause.
Non-correlated.
Co-related
ANSWER 5

What are the different components of LINQ?

Choose four appropriate options.

- a) LINQ to Objects
- b) LINQ to XML
- c) LINQ to SQL
- d) LINQ to DataSet
- e) LINQ to Datatable
- f) LINQ to DataRow

Answer: a b c d

The goal of _____ is to decrease the amount of code and maintenance required for data-oriented applications

Choose the appropriate option

- a) LINQ to C#
- b) LINQ to Entities
- c) LINQ to Database
- d) LINQ to XML

Answer: b

Which is the top .NET class from which everything is derived?

Choose most appropriate option

- a) System.Collections
- b) System.Globalization
- c) System.Object
- d) System.IO

Answer : C

1.You want to create a service for a project. The clients for this service will be browsers and mobile devices. The communication protocol will be only HTTP. You also want to transfer the data between your service and clients and efficiently.

Which of the following is the best option for this requirement?

Ans. Web API

2.Which of the following statements is/are TRUE about ASP.NET MVC

a)ASP.NET MVC provides better testability.

b)ASP.NET MVC supports ViewState.

Ans. Only a

3. Consider the following conversations:

Patrick : ASP.NET Web API supports only XML response, does not supports JSON

Ashu : ASP.NET Web API supports only JSON response, does not supports XML.

What is your observation on this conversation?

Ans. Both are Incorrect.

4. Sam has written below code in Api controller to fetch all the employees list

```
Public JsonResult<List<Employee>> GetAllEmployeeList()
{
    List<Employee> empList = Repo_Class.GetAllEmployeeList(); //Line1
    //line2
    return empListReturn; //line3
}
```

Choose the correct statement to be added at line 2 to complete the program.

Ans.

5.Which of the following classes is considered as base class for results with respect to ASP.NET MVC?

Ans. ActionResult

6.In which of the following file the default route is registered for MVC?

Ans. RouteConfig.cs

7. Consider the following code written in Home Controller :

```
Public ActionResult Product()  
{  
    ViewBag.Message = "Your product page.";   
    return View();  
}
```

Which of the following is the correct way of displaying the Message stored in ViewBag in view?

Ans. <p> welcome to @ViewBag Message </p> || ViewData (Doubt)

8. Consider the following code

```
Public ViewResultDisplay()  
{  
    Return /*missing code*/  
}
```

Fill the missing code to be returned ?

Ans. View()

9. Consider Login page having two textboxes and a Login button.

You need to ensure that when Login button is clicked validations to control must be done so that user must enter data. In ASP.NET MVC.

So where should validation logic must be written?

Ans. Model

10. Which of the following Action result can be used to render the View.

Ans. ActionResult , ViewResult

11. The path of the Layout view file to be used by your application is specified in the _____ file.

Ans. ViewStart.cshtml

12. You have created a multi layer application. The Data Access layer uses Entity Framework and has an entity class called Product. The presentation layer uses MVC and the MVC application has a model class called ProductModel. You want to write a code to update product information in the database. The update view must first display the details of the product which has to be updated, based on the product id. Which of the following HTTP GET action methods can be best used for this purpose.

Ans. Public ActionResult E..(Product Model)

13. Which of the following is the correct way of Invoking the web api:

```
Public class ProductController : ApiController
```

```
{  
    [HttpGet]  
    Public string ViewAllProducts()  
{  
    String prod = "mobile";  
    Return prod;  
}
```

Ans. <http://localhost:64270/api/productView....>

14. Predict the output of the following code snippet of ASP.NET Web API

Note: repos is a valid data access layers repository class object

GetAllBooks() returns list of books

```
Public List<Book> GetAllBooks()
```

```
{  
    Var books = repo.getAllBooks();  
    Return books;  
}
```

Ans. Can expose either xml or json , it depends

15. Consider the following statements.

a) Native Templating is used to connect knockout to a third party template group.

b) Native templating is used for applying if, foreach with and other context flow bindings.

Ans. Only b

16. Consider the following MVC Application URL

<http://localhost:3020/Product/ViewProduct/500>

Which of the following controller and ActionMethod exactly matches the signature for the above URL?

Ans. public class ProductController : Controller

```
{  
    public ActionResult ViewProduct(string id)  
    {  
        return View();  
    }  
}
```

17. Consider the following WEB API Controller

Public class ProductsController : ApiController

```
{  
    Public List<Product>getallproducts(){}  
    Public Product GetProductById(int id){}  
}
```

Which of the following URI's can be used to invoke the GetProductById action ?

Ans. Api/products/4

18. The content negotiation depends on _____ format of client application?

Ans. Content handler || Request header (doubt)

19. You have created an ASP.NET MVC application with a model class called EmployeeModel. This class has a property called Salary. You want this property to be displayed as "Earnings" in a view. Which of the following options can be used to achieve this?

Ans. [Display(Name="Earnings")]

20. How to transfer data from controller to view in MVC?

Ans. All of the given choices

21. Which of the following is responsible for displaying the data contained in Model?

Ans. View

22. _____ activates the knockout?

Ans. Ko.applyBindings()

23. When _____ is updated knockout updates and refresh the UI automatically.

Ans. Observable

24. The content negotiation depends on _____ format of client application.

Ans. Request header

25. You are working on an ASP.NET MVC application. Your project requires that every view page uses a common design with a uniform header, footer and side bars. This common layout has been created and stored in the views/Shared folder and named as "Master.cshtml". How will you ensure this design is applied to all view pages in your project?

Ans. In the _ViewStart.cshtml file, set the Layout

26. <!--Block 1-->

</script>

<body>

Apple

Motorola

.

</body>

Choose most appropriate option

Ans. \$('li').each(function (index) {

Alert(\$(this).text());

});

27. Which of the following statement is FALSE about Model Validation?

Ans. Model validation concept is not available

28. the status of the server like success(200)

Ans. Status Code

29. Consider the following code.

```
<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <script src="-/Scripts/jquery-3.3.1.min.js"></script>

</head>

<body>

<div>

<p id="hdc">Welcome to Accenture HDC</p><!--LINE 1 >

<p>Welcome to Accenture BDC </P><!--LINE 2 →

</div>

<script>

    $('#hdc').css({"background-color":"red"});

</script>

</body></html>
```

Ans. LINE 1 WILL BE DISPLAYED WITH BACKGROUND COLOR AS

30. method is used for performing create operation ?

Ans. POST

31. Which of the following statements are TRUE about webapi?

[Choose two correct options]

- a) WEB API controllers contain methods w
- b) The default route template for invoking
- c) WEB API controllers contain methods
- d) The default route template for invoking

32. Following statemanagement technique is NOT supported by MVC?

Ans.

33. Which of the following classes is considered as base class for results with respect to ASP.NET MVC?

- a) ActionResult
- b) ContentResult
- c) ViewResult
- d) PartialViewResult

34. Which of the following Web Api method is used to delete an existing record in the database?

- a) PUT
- b) GET
- c) POST
- d) DELETE

35. Which of the following State Management Technique cannot be used to pass data from controller to controller?

Ans.

36. Consider the code written in RouterConfig.cs file and choose the appropriate options below

```
Public static void RegisterRouter(RouteCollection routes)
{
    routes.IgnoreRoute("{resource}.axd/{pathinfo}");
    routes.MapRoute(
        name: "Default",
        url: "{controller}/{action}/{id}",
        default: new { controller = "Home", action="Index",id=UrlParameter.Optional}
    );
}
```

The application has HomeController with action method Index created.

Which of the below mentioned URL will generate HTTP 404-Resource cannot be found error?

Ans. <http://localhost.54450/Home/Index/200>

37. _____ method is used to set the style properties or values for a selected element in Jquery

- a) CSS()
- b) getElementByid()

38. Which of the following sign can be used to specify that you are using jquery

- a) \$
- b) #
- c) jQuery

Ans. \$

39. Which of the following statements are TRUE with respect to views in ASP.NET MVC?

Ans.

40. You want to apply the following validations on a password field.

- a. The password is mandatory
- b. The password field must be marked when data is entered.

Which of the following annotations will fulfill the requirements

Ans. RequiredPassword