.Net End Module Test

1. Which of the following statements is correct
   A. C# data type bool - CTS type Boolean, C# data type float – CTS type Float
   B. C# data type bool - CTS type Bool, C# data type float – CTS type Float
   C. C# data type bool - CTS type Boolean, C# data type float – CTS type Single
   D. C# data type bool - CTS type Bool, C# data type float – CTS type Single

2. Which of the following statements is false?
   A. Assembly metadata can be read using Reflection
   B. Assembly is in IL form
   C. Assembly contains metadata and code
   D. Assembly can have attributes
   E. None of the above

3. The default data type of an enum is
   A. Int32
   B. Int 16
   C. Int64
   D. String

4. To make an assembly shared, we need to …
   A. Give it a strong name
   B. Sign it with a key pair
   C. Install it in the GAC
   D. All of the above
   E. None of the above

5. i)Storing a value type into a reference type results in Boxing
   ii)Storing a reference type into a value type results in Boxing
   iii) Storing a value type into a reference type results in UnBoxing
   iv) Storing a reference type into a value type results in UnBoxing
   A. All are false
   B. All are true
   C. i)and iii) are true
   D. ii)and iv) are true
   E. i)and iv) are true
   F. i)and ii) are true

6. Which of the following statements is false?
   A. All Generic Collections implement IEnumerable<T>
   B. IList<T> inherits from ICollection<T>
   C. IDictionary inherits from ICollection

D. ICollection inherits from IEnumerable
E. <mark>None of the above</mark>

7. To call a method asynchronously using a delegate object, we use
   A. objDel.Invoke(…)
   B. <mark>objDel.BeginInvoke(…)</mark>
   C. objDel.EndInvoke(…)
   D. System.Delegate.InvokeAsync(…)

8. What is the error in the following snippet?
   ```
   void DoSomething()
   {
           try
           {
                   .....
           }
           catch(Exception ex) { … }
           catch(NullReferenceException ex) { … }
           catch(DivideByZeroException ex) { … }
   }
   ```
   A. No finally written
   B. No errors
   C. ex object is re-declared multiple times
   D. <mark>Base class exception is given first</mark>

9. Which property must be set in WCF Configuration to allow users to see Exception Details of a WCF Methods?
   A. serviceDebug allowExceptions
   B. <mark>serviceDebug includeExceptionDetailInFaults</mark>
   C. serviceDebug includeCustomExceptionDetails
   D. serviceMetadata includeCustomExceptionDetails

10. To raise an event defined by you,
    A. RaiseEvent EventName
    B. RaiseEvent EventName(…)
    C. <mark>EventName(…)</mark>
    D. DelegateClassName(…)

11. Which of the following is not a valid Thread state as defined in the ThreadState enum?
    A. Aborted
    B. Running
    C. Stopped

D. Sleep
E. Suspended
F. Background

12. What is true for a background thread?
    A. Background thread cannot be called directly
    B. Background thread gets a lesser priority
    C. Background thread is Unmanaged code
    D. Background thread runs only when the CPU is idle
    E. All of the above
    F. None of the above

13. What is the difference between out and ref variables?
    A. out variables can't change the calling code variable value but ref can
    B. out variables can change the calling code variable value but ref can't
    C. out variables must be initialized before the function ends. Not required for ref variables
    D. out variables can't be used for reference types but ref can.
    E. None of the above

14. What is false for a static constructor?
    A. Parameterless
    B. Cant be overloaded
    C. Implicitly private
    D. Called when the class is loaded into memory
    E. Called just once
    F. None of the above

15. For property accessors, which of the following is not allowed?
    A. Public property, private accessor
    B. Protected internal property, private accessor
    C. Protected property, internal accessor
    D. Internal property, private accessor

16. Which class can be used as a base class?
    A. Abstract
    B. Sealed
    C. Static
    D. internal class defined in another assembly

17. Which of the following statements is false?
    A. An abstract class has at least one abstract method
    B. All abstract methods are pure virtual functions

C. An abstract method can only exist in an abstract class
D. The derived class must implement all the abstract methods or be marked as an abstract class
E. <mark>None of the above</mark>

18. int ? a = 100;

What is false for this statement?

A. a is a nullable type variable
B. Compiler converts this to Nullable<int> a = 100?
C. <mark>This line is an error</mark>
D. a = null is valid

19. What is false?

A. All Arrays inherit from the Array class
B. We can iterate using a foreach loop
C. Arrays are a reference type
D. <mark>Double dimension arrays can be sorted using Array.Sort</mark>

20. Which is not valid LINQ?

i) from a in b where a.i > 0 select a.j
ii) <mark>b.Select(a=>a.j).Where(a=>a.i>0)</mark>
iii) b.Where(a=>a.i>0). Select(a=>a.j)

A. Only i
B. Only ii
C. Only iii
D. ii and iii

21. In FormsAuthentication, the following method deletes the authentication cookie.

A. FormsAuthentication.Cookie.Delete
B FormsAuthentication.Logout
C. <mark>FormsAuthentication.SignOut</mark>
D. FormsAuthentication.Cookie.Remove

22. Which of these is available in a Redirect but not in subsequent requests?

a. ViewBag
b. ViewData
c. <mark>TempData</mark>
d. Session variable

23. How do you override the bundling setting of web.config?

a. <mark>write code in BundleConfig.cs and set the EnableOptimizations property of the BundleTable class</mark>

b. write code in BundleConfig.config and set the EnableOptimizations property of the BundleTable class

c. write code in BundleConfig.cs and set the EnableOptimizations property of the BundleCollection class

d. write code in BundleConfig.config and set the EnableOptimizations property of the BundleCollection class

24. To achieve Minification in asp.net mvc

       a. Set minification = true in compilation section in web.config

       b. Set minification = false in compilation section in web.config

       c. Set debug = true in compilation section in web.config

       d. Set debug = false in compilation section in web.config

25. To show a partial view in asp.net mvc with a method that returns a html string we use

       a. Html.Partial()

       b. Html.RenderPartial()

       c. Html.RenderAction()

       d. Html.RenderView()

26.   To allow a method to be called from a Webservice, do the following

A.   Keep it as a public method

B.   Keep it as a public static method

C.   Keep it as a public method with a WebMethod attribute

D.   Keep it as a public static method with a WebMethod attribute

27.   Which class do we inherit from while interacting with the Entity Framework

A.   Entity

B.   Framework

C.   DbContext

D.   DataContext

28.   Which of the following statements is true?

A.   A command can be executed from a closed connection

B.   A Datareader cannot contain more than one set of data

C.   A DataSet can only have one dataTable

D.   A DataAdapter need not have an open connection to call its fill method

29.   What does the SoapFormatter serialize

A.   methods of a class

B.   public variables and properties of a class

C.   public and private variables of a class

D.   public and private properties of a class

30.   To add a Primary key constraint on the DataTable
A.   pass a DataColumn array object to the PrimaryKey property for the DataSet
B.   pass a DataColumn object to the PrimaryKey property for the DataSet
C.   pass a DataColumn array object to the PrimaryKey property for the DataTable
D.   pass a DataColumn object to the PrimaryKey property for the Datatable

31.   To see records from a DataTable in a sorted manner use...
A.   Sort property of DataTable
B.   Sort property of DataView
C.   Sort property of DataSet
D.   Sort property of DataColumn

32. How do you run a method in a new thread
a. Create a thread object and pass a method as a parameter to the constructor
b. call thread.Run()
c. call thread.Start()
d. call thread.BeginInvoke()

33. Which of these provides a read only, forward only way of reading records
a. DataTable
b. DataView
c. DataSet
d. SqlDataReader

34. Which of these does not require typecasting while accessing it
a. ViewBag
b. ViewData
c. TempData
d. Session variable

35. Which method of the DataSet returns the records whose RowState is not Unchanged
a. AcceptChanges
b. RejectChanges
c. GetChanges
d. Update

36. In a WCF service the following describes the WCF service in detail
a. Proxy Class
b. WSDL
c. Mex endpoint
d. Disco file

37. What attribute is used to mark a method in a ServiceContract?

a. ServiceContract

b. DataContract

c. DataMember

d. OperationContact

38. Duplex WCF service uses the following binding

a. WsDuplexHttpBinding

b. WsDualHttpBinding

c. WebHttpBinding

d. BasicHttpBinding

39. To add a new row to a Datatable …

a. call the Add method of the Rows collection of the DataSet

b. call the Add method of the DataTable

c. call the Add method of the Rows collection of the DataTable

d. call the Add method of the DataSet

40. Restful WCF service uses the following binding

a. WsDuplexHttpBinding

b. WsDualHttpBinding

c. WebHttpBinding

d. BasicHttpBinding