MS.NET - I

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Total points 24/41 ?

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✗ 1: C# compiler compiles source code into _____ code.

◯ object

◉ byte   ✗

◯ IL

Correct answer

◉ IL

✓ 2: Under CLR, the _____ is translates managed code of a method into   1/1
machine instructions.

◉ just-in-time compiler   ✓

◯ ahead-of-time compiler

◯ .NET compiler platform

✓ 3: There are _____ primitive types in common type system.

○ 6

◉ 14

○ 8

✓ 4: In C#, a struct type is _____ passed by value.

◉ implicitly

○ explicitly

○ always

✓ 5: C# offers a C++ like but more _____ syntax.

○ consistent

◉ expressive

○ dynamic

✕   6: C# decimal data-type identifies a _____ bit real value.

○ 32

◉ 64

○ 128

Correct answer

◉ 128

✕   7: A set of options is represented in C# using _____ type.

○ an enum

○ an interface

◉ a record

Correct answer

◉ an enum

✓   8: C# supports pointer type in _____ context

○ any

◉ only unsafe

○ only unmanaged

✓ 9: In C# the memory for a locally identified instance of a struct type is allocated _____.

1/1

◉ on stack

◯ on heap

◯ in data-section

✓ 10: Garbage collector is responsible for _____ memory blocks assigned to instances of class types when they're no longer reachable.

1/1

◯ deleting

◯ resizing

◉ recycling

✓ 11: A method parameter qualified with ref modifier accepts _____ argument of matching type by reference.

1/1

◉ only initialized

◯ only uninitialized

◯ any

✓   12: In C#, a class can extend _____ one other class.

○ exactly

○ at least

○ at most

✓   13: A derived class in C# can override any _____ method of its base class

○ instance

● virtual

○ static

✗   14: The C# expression x is T evaluates to true if x is an instance of type
_____

● T

○ T or another type that inherits from T

○ T or another type from which T inherits

Correct answer

● T or another type that inherits from T

✓ 15: In C# a struct can inherit from _____

○ any one other struct

○ a single abstract class

◉ multiple interfaces

✓ 16: A sealed class in C# can be _____

◉ instantiated but not extended

○ extended but not instantiated

○ extended as well as instantiated

✗ 17: The default access modifier for a member of _____ is public.

○ struct

○ interface

◉ class

Correct answer

◉ interface

✗ 18: The first parameter of an extension method is qualified with _____ modifier.

○ ref

◉ params

○ this

Correct answer

◉ this

✓ 19: An interface can contain a _____.

◉ static field

○ private instance field

○ parameterless constructor

✓ 20: The expression _____ indicates whether objects referred by x and y are identical.

○ x == y

◉ ReferenceEquals(x, y)

○ x.Equals(y)

✗ 21: The type argument of a generic declaration is replaced by _____ at runtime.

○ its substituted type

◉ System.Object

○ System.ValueType

Correct answer

◉ its substituted type

✗ 22: In a generic declaration the type argument is defined with T: class, new() T can be substituted by_____

◉ string

○ double

○ object

Correct answer

◉ object

✓ 23: A generic method is declared as V Visit<U, V>(U x, V y, U x) can be called using _____

○ Visit("Monday", "January", 2022);

◉ Visit("January", 2022, "Monday");

○ Visit(2022, "January", "Monday");

✕   **24: A generic interface defined as K<in E> is _____ over type argument E**   0/1

○ invariant

◉ covariant

○ contra-variant

Correct answer

◉ contra-variant

✓   **25: Statement _____ x, will return x though an autogenerated implementation of IEnumerator.**   1/1

◉ yield return

○ return yield

○ yield break

✓   **26: In System.Collections.Generic the ICollection<V> interface extends _____**   1

○ IEnumerator<V>

◉ IEnumerable<V>

○ IList<V>

✗ 27: In System.Collections.Generic the SortedList<V> class implements
_____

○ IList<V>

◉ ISet<V>

○ IDictionary<V>

Correct answer

◉ IDictionary<V>

✓ 28: The implementation of System.Collections.Generic.IList<V> is used to
collect _____

◉ indexed values

○ unique keys

○ key-value pairs

✗ 29: In System.Collections.Generic _____ class implements ISet<K> as a
binary tree.

○ HashSet<K>

○ SortedSet<K>

◉ TreeSet<K>

Correct answer

◉ SortedSet<K>

✗   30: In order to support for-each iteration a class must _____.

○ implement IEnumerable interface

○ define public GetEnumerator method

○ extend Enumerable class

Correct answer

◉ extend Enumerable class

✓   31: A delegate type is actually a class which directly extends System_____.

○ Object

○ Delegate

◉ Multicast Delegate

✗   32: A delegate type defines _____ method for calling methods referenced by its instance.

◉ Call

○ Invoke

○ Dispatch

Correct answer

◉ Invoke

✗   33: Lambda expression _____ can be assigned to a delegate defined as
    delegate bool InOrder(int m, int n);

○   x => x < 0

◉   (x, y) => x − y

○   (x, y) => x > y

Correct answer

◉   (x, y) => x > y

✓   34: In definition record struct Counter(int First, int Step); Counter
    represents _____ type.

◉   a mutable value

○   an immutable value

○   an immutable reference

✗   35: The extension methods defined in System.Linq.Queryable class pass
    query operations as ____.

○   delegate objects

○   expression trees

◉   lambda expressions

Correct answer

◉   expression trees

✓ 36: ____ query operator specified by LINQ filters the elements of the sequence to which it is applied.

○ Select

○ FirstOrDefault

⦿ Where

✓ 37: A variable defined using _____ supports runtime binding.

⦿ dynamic

○ var

○ object

✓ 38: In C# the _____ operator returns the System.Type of the literal type name to which it is applied.

○ as

⦿ typeof

○ GetType

✓ 39: _____ attribute is inserted into the meta-data of its target as a built-in /1
IL modifier

○ custom

○ serializable

⦿ pseudo

✗ 40: A method defined with DllImport attribute must be qualified with
_____.

⦿ public static

○ static extern

○ private extern

Correct answer

⦿ static extern

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This is your unique identifier. Please do not modify this.

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✗ Your Rno   /1

96

✕   **Your Name**   ˅'1

Suraj jadhav

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