**ASE Power - Skill Training - Final\_Exam – MS.Net Answers**

**Note:** When grading, each question is worth 3 points for a total of 100 (%).

1. Which command is suitable to use when manipulating large amounts of string? e.g. append / insert / delete (Select the best option.)
   1. System.String
   2. Char Array
   3. Struct
   4. **StringBuilder**

1. What permission do delegates run under?
   1. **Caller’s permission**
   2. Declarer’s permission
   3. They run under the most strict permission available
   4. They run under the least strict permission available
   5. They do not require any permission to run
2. Which of the following statements is/are true? (Select all that apply)
   1. **XML serialization serializes only the public fields and property values of an object**
   2. **XML serialization results in strongly-typed classes with public properties and fields that are converted to a serial format for storage or transport**
   3. XML serialization converts all methods, private fields, or read-only properties (irrespective of their access modifier)
3. Which Design Pattern ensures that a class has only one instance and provides a global point of access to it? (Select the best option)
4. Adapter Pattern
5. Bridge Pattern
6. Façade Pattern
7. Interpreter Pattern
8. **Singleton Pattern**
9. What does an Actor in a Use Case diagram represent? (Select all that apply)
10. **A person**
11. **An Organization**
12. **An external system**
13. 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)
    1. ORDER BY salary DESC and job\_id ASC
    2. ORDER BY job\_id ASC and salary DESC ASC
    3. **ORDER BY salary DESC, job\_id ASC**
    4. ORDER BY job\_id ASC, salary DESC
    5. None of the above
14. Which SQL statement selects a column named “FirstName” from the table named “Persons”? (Select the best option)
15. Extract FirstName from persons
16. SELECT Persons.FirstName
17. **SELECT FirstName from Persons**
18. None of the above

Use the following diagram for questions 8-11.



1. Referring to the above diagram, what does arrow AA represent? (Select the best option)
2. Generalization
3. Multiplicity
4. **Association**
5. Composition
6. Referring to the above diagram, what does arrow BB represent? (Select the best option)
   1. Composition
   2. **Generalization**
   3. Association
   4. Multiplicity
7. Referring to the above diagram, what does arrow CC represent? (Select the best option)
8. **Multiplicity**
9. Composition
10. Generalization
11. Association
12. Referring to the above diagram, what does arrow DD represent? (Select the best option)
13. **Composition**
14. Multiplicity
15. Generalization
16. Association
17. Which of the following describes how stubs can be used? (Select all that apply)
    1. **Reduce dependency between developers**
    2. **Simulate the defined functionality of a class which may or may not have been developed yet**
    3. **Act as a proxy for a class whose implementation resides in a remote location**
18. What is the output for the following program?

class Constructor1

{

int x;

static int y = 0;

static Constructor1()

{

Console.WriteLine("\nStatic constructor called");

}

public Constructor1(int x1):this()

{

x = x1 + y;

Console.WriteLine("\nInstance cons :x={0}", x);

}

private Constructor1()

{

++y;

Console.WriteLine("\nPrivate constructor called");

}

}

class Constructorexp

{

public static void Main()

{

Constructor1 c1 = new Constructor1(22);

Console.ReadLine();

}

}

}

1. Static Constructor called, Instance Cons x=22,Private constructor called
2. **Static Constructor called, Private constructor called, Instance Cons x=23**
3. Instance Cons x=22, Static Constructor called
4. None of the above
5. Predict the output for the following program:

Class StringDemo

{

Public static void Main()

{

String s1 = "AAA";

String s2 = "AAA";

StringBuilder s3 = new StringBuilder(s1);

Console.WriteLine((s1==s2) + "," + s1.Equals(s2) + "," + s3.Equals(s1));

Console.ReadLine();

}

}

1. **True,True,False**
2. True,False,False
3. False,True,False
4. True,True ,True
5. State true or false for the following statements:

**Statement1:** Lowest priority - A thread with this priority can be scheduled after threads with any other priority.

**Statement2:** Normal priority - A thread with this priority can be scheduled before threads with any other priority.

1. Both the statements are true
2. Both the statements are false
3. **Statement 1 is true and statement 2 is false**
4. Statement 1 is false and statement 2 is true
5. Stage containment is achieved by practicing which of the following? (Select the best option)
6. Verification
7. Validation
8. Testing
9. Entry and Exit criteria
10. **All of the above**
11. For which of the following is VSTS testing best utilized? (Select the best option)
12. Performance Test
13. **Unit Testing**
14. Product Test
15. Assembly Test
16. What are the different types of memory mapped views?
17. **Random access view and Stream access view**
18. Random access view
19. Stream access view
20. None of the above
21. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ namespace provides classes for using memory mapped files, which map the contents of a file to an application’s logical address space.
22. System.MemoryMappedFile
23. System.MemoryMappedFiles
24. **System.IO.MemoryMappedFiles**
25. None of the above
26. Which of the following properties has to be true to postback the page on every selection change in the dropdown list?
27. CrossPostBack
28. CausePostBack
29. **AutoPostBack**
30. None of the above
31. Which control support supports paging?
32. DataList
33. **GridView**
34. Repeater
35. DropdownList
36. What are the different collections supported by dataset?
37. DataRow Collection
38. DataTableCollection
39. DataTableConstraintCollections
40. **All of the above**
41. The WPF application supports which of the following?
42. 2D Graphics
43. 3D Graphics
44. Multimedia
45. **All of the above**
46. What are the different types of bindings one can use while developing a service as a WCF service?
47. IPC Binding
48. TCP Binding
49. WS Binding
50. Basic Binding
51. **All of the above**
52. What is the role of WF Runtime in the whole WF framework?
53. Responsible for the persistence of the states
54. Provides events tracking and handling
55. Supports parallel working
56. Provides execution hosting environment
57. **All of the above**
58. What are the different of contracts that WCF supports?
59. Data Contract
60. Service Contract
61. Operation Contract
62. **All of the above**
63. Where can one host the WCF Service?
64. Windows Active Service
65. On a Windows Service
66. COM+
67. **All of the above**
68. What tracks the events in the workflow and provides the handlers for this tracking?
69. **WF Runtime**
70. NET Runtime
71. Workflow Engine
72. CLR

29) 按照下列要求编写矩形类（Rectangle class）。

a. 矩形类含有，高度(Height)和宽度(Width)属性。

b. 矩形类含有，构造函数（Rectangle()）。在构造函数中，高度(Height)和宽度(Width)属性设置默认值0。

c. 矩形类含有，构造函数（Rectangle(int height, int width)）。在构造函数中，分别用参数对高度(Height)和宽度(Width)属性设置值。

d. 矩形类含有，函数（int Circumference()）。计算矩形的周长，并返回计算结果。周长 =（高+宽）x 2。

e. 矩形类含有，函数（int Area()）。计算矩形的面积，并返回计算结果。面积 =高 x 宽。

f. 矩形类含有，函数（bool SquareCheck()）。判断矩形是不是正方形。如果高度(Height)=宽度(Width)，返回true。否则返回false。

**答案：**

public class Rectangle

{

public int Height { get; set; }

public int Width { get; set; }

public Rectangle()

{

Height = 0;

Width = 0;

}

public Rectangle(int height, int width)

{

Height = height;

Width = width;

}

public int Circumference()

{

return (Height + Width) \* 2;

}

public int Area()

{

return Height \* Width;

}

public bool SquareCheck()

{

if (Height == Width)

{

return true;

}

else

{

return false;

}

}

}