## Sample Question Paper



# QUESTION BANK MODULE NAME: Building Applications Using C#

### **Category - Simple**

1) Fill in the blank with single option: are a set of rules that any .NET language should follow to create application.				
	interope	rable with other languages.		
	✓ a)	Common Language Specification (CLS)		
	b)	Common Type System (CTS)		
	c)	.NET Framework Class Library (FCL)		
	d)	Code Access Security		
2)	 processi	is a 16-bit character set that contains all of the characters commonly used in information ng.		
	✓ a)	Unicode		
	b)	Bytecode		
	c)	Executable Code		
	d)	ASCII Code		
3)	Asizes.	is a multi-dimensional array where one of the specified dimensions can have varying		
	a)	One-dimensional array		
	<b>✓</b> b)	Jagged array		
	c)	Two-dimensional array		
	d)	Structures		
1)	The stateme	statement allows you to directly execute a labeled statement, or a labeled block of nts.		
	a)	break		
	✓ b)	goto		
	c)	default		
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## Sample Question Paper d) continue 5) class provides useful methods to convert any built-in data type to another built-in data type. System.Console a) b) System.Convert System.Text System.Data d) **Category - Average** 1) Select the correct answer with single option: Which of the following statements are true about Dynamic Language Run-time? a) Describes how data types are declared, used, and managed in the run-time and facilitates the use of types across various languages. b) In DLR, compiler converts the source code into executable code that can be run by the users. DLR is the foundation of the .NET Framework. The run-time manages the code at the execution time and performs operations such as memory management, thread management, and remoting. d) DLR is a run-time environment built on top of the CLR to enable interoperability of dynamic languages such as Ruby and Python with the .NET Framework. 2) Select the correct answer with multiple options: Which of these statements about the language features of C# are true? a) C# application programming uses objects so that code written once can be reused.

**b)** The garbage collector allocates and de-allocates memory using automatic memory management.

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B) \\

C) \r

D) \0

	<b>✓</b> c)	Automatic memory management decreases the quality of the code and reduces the performance and productivity.	
	<b>d)</b>	Developers create mobile applications for pocket PCs, PDAs, and cell phones using the C# language.	
3)	Select t	he correct answer with single option:	
	Identify	the type of multi-line comment type used in C#.	
	a)	// This is a new comment	
	b)	/ This is a new comment	
	✓ c)	/* This is a new comment */	
	d)	/** This is a new comment **/	
4)	Select the correct answer with single option:		
	Identify	the type of XML comment used in C#.	
	a)	/* This is a comment */	
	b)	/** This is a comment **/	
	✓ c)	/// This is a comment	
	d)	// This is a comment	
5)	Match the following:		
	Charact	ers Description	
	A) \000	1) Backslash, needed for string literals.	

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3) Unicode character 0.

4) Carriage return.

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

2) Matches an ASCII character using a three-digit octal character code.



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**▶ b)** A-2, B-1, C-4, D-3

**c)** A-1, B-2, C-3, D-4

**d)** A-3, B-2, C-4, D-1

#### Category - Difficult

#### 1) Select the correct answer with single option:

Identify the correct output for following code.

int num = 456; Console.WriteLine("{0:C}", num); Console.WriteLine("{0:D}", num); Console.WriteLine("{0:E}", num);

- **a)** A compile time error will occur
- **b)** 456.00 456 4.56
- \$456.00 456 4.560000E+002
- d) \$456 456.00 4.560000

a)

#### 2) Select the correct answer with single option:

Identify the correct output.

int number, result;
number = 5;
result = 100 \* number;
Console.WriteLine("Result is {0} when 100 is multiplied by {1}", result, number);
result = 150 / number;
Console.WriteLine("Result is {0} when 150 is divided by {1}", +result, number);

Result is 30 when 150 is divided by 5

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	<b>✓</b> b)	Result is 500 when 100 is multiplied by 5 Result is 30 when 150 is divided by 5			
	c)	A compile time error will occur.			
	d)	Code will be successfully get compiled, with run-time error.			
3)	Select t	he correct answer with single option:			
	Identify t	he method used by Array class which allows you to create single and multi-dimensional arrays.			
	a)	Rank()			
	b)	CreateArray()			
	✓ c)	CreateInstance()			
	d)	SyncRoot			
4)	Identify the correct code that displays the use of explicit conversion for calculating the area of a square.				
	a)	double side = 10.5;			
		int area;			
		<pre>area = (int)(side # side); Console.WriteLine("Area of the square = {0}", area);</pre>			
	b)	double side = 10.5;			
		int area;			
		<pre>area = (int)(side % side); Console.WriteLine("Area of the square = {0}", area);</pre>			
	c)	double side = 10.5;			
		int area;			
		<pre>area = (int)(side + side); Console.WriteLine("Area of the square = {0}", area);</pre>			
	✓ d)	double side = 10.5;			
		int area;			
		<pre>area = (int)(side * side); Console.WriteLine("Area of the square = {0}", area);</pre>			

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#### 5) Select the correct answer with single option:

Identify correct output for following code.

```
int valueOne = 10;
Console.WriteLine((4 * 5 - 3 ) / 6 + 7 - 8 % 5);
Console.WriteLine((32 < 4) || (8 == 8));
Console.WriteLine(((valueOne *= 6) > (valueOne += 5)) &&
((valueOne /= 2) != (valueOne -= 5)));
```

- a) 10 False True
- b) 6 True True
- c) 6
  True
  False
- d) 8 False False