Code: DC69 **Diplete - CS (NEW SCHEME)**

Subject: C# & .NET

Time: 3 Hours JUNE 2011 Max. Marks: 10

NOTE: There are 9 Questions in all.

- Student Bounty.com Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after 45 Minutes of the commencement of the examination.
- Out of the remaining EIGHT Questions, answer any FIVE Questions. Each question carries 16 marks.
- Any required data not explicitly given, may be suitably assumed and stated.

Q.1	Choose the correct or the best alternative in the following: (2×10)				
V.1		not be used to control a switch statement in C#?			
	(A) integer(C) String	(B) character(D) floating point			
	b. In C# you can create an infinite loo	op using the syntax:			
	(A) for(; ;) { } (C) for() { }	(B) for() { ; ; }(D) None of the above.			
	c. An example of ternary operator in	C# is :			
	(A) ? : (C) >>	(B) ^ = (D) > =			
	d. A switch statement can be used to replace a:				
	(A) simple if else statement.(C) series of ifelse statement.	(B) while statement.(D) foreach statement.			
	e. String class supports overloaded a strings are equal or not by using :	methods and operators to compare whether two			
	(A) Overloaded Compare() method(C) Overloaded Cmp() method.	od. (B) Overloaded Equals() method. (D) Both (A) and (B).			
	f. Late binding can also be called:				
	(A) Dynamic binding(C) Abstract binding	(B) Static binding(D) Sealed Binding.			
	g. Delegates are of:				
	(A) Value type.	(B) Reference Type			

(C) Both **(A)** and **(B)**.

(D) None of the above

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	h.	Which of the following is not from	the Input/Output streams?	den
		(A) Console. In(C) Console.InOut	(B) Console.Out(D) Console. Error.	otion is
	i.	Which of the following is not in c C#?	correct sequence while handling excep	otion is
		(A) tryfinally (C) trycatchfinally	(B) trycatchfinally(D) catchfinally.	
	j.	Which of the following is an examp	ole of a correct String class method:	
		(A) Cmp() (C) ConCat()	(B) Cpy () (D) None of the choices	
		Answer any FIVE Question Each question ca	-	
Q.2	a.	What is common language specification program?	ation? How does the CLR implements a	a C# (6)
	b.	What are command line arguments	? How are they useful?	(6)
	c.	Explain with the help of a neat diag	gram the taxonomy of C# data types.	(4)
Q.3	a.	List the relational and logical opera program which demonstrates the us	ators available in C#. Write a simple C# se of these operators.	# (8)
	b.	Write a program by using while loc For example: Input: 12345 Output: 54321	op to reverse the digits of the numbers.	(8)
Q.4	a.	•	concept of pass by value and pass by	(6)
	b.	What is the need for jagged array in	n C#? Give an example.	(4)
	c	ž	array of integers and gives it some inity these values and their summation (use	
Q.5	a.	Explain any three string handling general syntax of the method and it	methods available in C#. Emphasize ts description.	on the (6)
	b.	Write a C# program that reads an in words.	integer and displays the digits of the i	ntegers (6)
		Example: 543 Number in Words: FIVE FOUR TI	HREE.	

		N.	
	c.	State the difference between Classes and Structures. Explain your answer suitable code snippets.	(6) (5) (5)
Q.6	a.	Explain the different member access specifiers available in C#.	(6) CHILL
	b.	What are Abstract Classes and Methods, Explain their importance.	(5)
	c.	What is inheritance? Explain classical inheritance with suitable diagrams.	(5)
Q.7	a.	Distinguish between an abstract class and an interface.	(8)
	b.	Describe overloading of unary and binary operators.	(8)
Q.8	a.	Explain the importance of delegates in C#. Write a simple C# code to and implement a delegate.	create (6)
	b.	List the console Input and Output statements available in C#.	(2)
	c.	What are Events? Write a C# program which demonstrates the features of event.	an (8)
Q.9	a.	How do you define the following in C#: (i) try block. (ii) catch block. (iii) finally block.	(6)

b. List any four commonly used exceptions defined within the System Namespace.

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