GANPAT UNIVERSITY
B. Tech SEM-IV Computer Engineering/Information Technology
Regular Examination May/June 2012
2CE406/2IT406: Application Development Tools

Time: 3 Hours]

[Total Marks: 70]

Instructions:
1. Figures to the right indicate full marks
2. Each section should be written in a separate answer book
3. Be precise and to the point in your answer

SECTION-I

1.	(a)	What is Common Language Runtime (CLR)? Explain any one its functionality in detail.	[4]
	(b)	What is CTS in .Net Framework? Explain it.	[4]
	(c)	Why do we use Data Abstraction? Explain With Example.	[4]
		[OR]	
1.	(a)	Explain .Net Framework in Detail.	[4]
	(b)	Explain various properties of Progress bar control with a simple example.	[4]
	(c)	Why do we use Inheritance? Explain With Example.	[4]
2.	(a)	Explain the Difference between Java and C#.	[6]
	(b)	Implement Window Application For Forgot Password using Database.	[5]
		[OR]	
2.	(a)	Write a code to create a windows application which has one Button to copy one array elements to another array. Add a Progress Bar Control to display copy process with the help of Timer Controls set to one second.	[6]
	(b)	Implement Window Application For Change Password using Database.	[5]
3.		**Answer the following: (Any Four)**	[12]
		1) Describe Switch Case with an example.	
		2) Explain foreach loop with an example.	
		3) Explain difference between Panel and Group Box.	
		4) Describe basic functionalities of checkbox and radiobutton and certain differences between them.	
		5) Give any three properties common to all windows controls.	

4.	(a)	Differentiate between Combo Box and List Box.	[4]
	(b)	What do you mean by Event Handler of controls? Explain any two Controls.	[4]
	(c)	**Answer the Following**	[4]
		(i) Differentiate between Enable and Visible properties of a control.	
		(ii) Which method of Progress Bar control is used to display Progress Bar's growth with reference of step property?	

[OR]

4.	(a)	Explain any Four Property of Folder Browser Dialog Control.	[4]
	(b)	Write a Console Application to Check Perfect Number in C#	[4]
	(c)	Write a Program to find Armstrong Number in Console Application using C#.	[4]

5.	(a)	Write a code to display details of the car and calculate its average using following details in Window Application.	[6]

Class	Properties	Member Methods
Car	Color, CmpnyName	Calulate_Avg()
Main Class		Main()

	(b)	Explain Following Control with any Two Main Properties.	[5]
		(i) Textbox	
		(ii) Combo box	
		(iii) Folder Browser Dialog Control	
		(iv) Open File Dialog Control	
		(v) Timer Control	

[OR]

5.	(a)	**Perform the following operations in List Box**	[6]
		(i) Insert	
		(ii) Update	
		(iii) Delete	
		Note: Use the Textbox to enter value in List Box	
	(b)	What is Namespace? Give the Example for Text and I/O Namespace in Console Application	[5]

6.	**Answer the following: (Any Three)**	[12]
	1) Explain virtual and override keywords in C#.	
	2) Explain type casting in C#.	
	3) Discuss any Four properties of Picture Box.	
	4) Explain Abstract class in OOP.	

***** END OF PAPER *****