

GANPAT UNIVERSITY
B. Tech SEM-IV Computer Engineering/Information Technology
Regular Examination May/June 2013
2CE406/2IT406: Application Development Tools

[Total Marks: 70]

Time: 3 Hours]**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 it in brief. [4]
- (b) What is the use of SqlConnection and SqlCommand Object in C#.net. [4]
- (c) Write a Console Application to do Addition of two 3-dimensional Arrays. [4]

[OR]

1. (a) List out the Features of CLR. Explain any one Feature in Brief. [4]
- (b) What is the difference between ExecuteNonQuery (), ExecuteScalar () and ExecuteReader () in ADO.NET. [4]
- (c) Write a Console Application to do Multiplication of two 2-dimensional Arrays. [4]

2. (a) What is Message Box? Explain How to Create Message Box in C#.net. [6]
- (b) Explain FontDialog Control in brief with its Properties with example. [5]

[OR]

2. (a) Explain OpenFileDialog Control in brief with its Properties, Methods and Events. [6]
- (b) Write a code to display details of the car and calculate its average using following details. [5]

Class	Properties	Member Methods
Car	Color,CompanyName	Calulate avg()
Main Class		Main()

3. Answer the following: (Any Three) [12]

- (i) Explain difference between Panel and Group Box Control.
- (ii) What is the use of SaveFileDialog Control in C#.net? Explain Events of SaveFileDialog Control.
- (iii) Explain ShowDialog () Method of Dialog box using Example.
- (iv) What is Menu? How to add Menus in C# Application?

[P.T.O]

SECTION-II

4. (a) Explain Multiline, Password char, Read-only and Maxlength Properties of Textbox Control. [4]
(b) Write a Console Application to remove duplicate element from integer array. [4]
(c) Why do we use Polymorphism? Explain With Example. [4]

[OR]

4. (a) What is the use of PictureBox? Explain it with its Properties. [4]
(b) Write a Console Application to find greatest element from integer Array using UDF. [4]
(c) Why do we use Data Encapsulation? Explain With Example. [4]

5. (a) Explain the difference between Java and C#. [6]
(b) What is Namespace? Explain Following Terms in C#. [5]
(i) System. IO
(ii) System.Collections.Generic
(iii) System.Data.SqlClient
(iv) Console.ReadLine()
(v) Console.WriteLine()

[OR]

5. (a) What is Exception? Explain Exception Handling Functions in C# with Example. [6]
(b) Explain Following Control with any Two Main Properties. [5]
(i) Textbox
(ii) Combo box
(iii) ListBox
(iv) Folder Browser Dialog Control
(v) Open File Dialog Control

6. **Answer the following: (Any Three)** [12]

- 1) Explain the use of CheckBox and RadioButton? Explain difference between them.
- 2) Explain any four Properties of FolderBrowserDialog Control.
- 3) Explain any four main Properties of ComboBox.
- 4) Explain any two Methods and Events of OpenFileDialog Control.

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