Krantiguru Shyamji Krishna Verma Kachchh University
Post Graduate Diploma in Computer Applications
Semester: II

Paper Code: CCCS205	Total Credit : 4
Title of Paper: Windows Programming Using VB.Net	**Total Marks :** 70 **Time :** 3 Hrs

Unit	Description	Weighting
I	Overview of a .net framework: versioning and deployment, Memory management, Cross-Language integration, Metadata, IL dissemblers, The IDE components like IDE menu, CLR, CTS, Garbage Collector, Toolbox, Solution explorer, Property window, Output window, Task list window. Namespace and the imports keyword, the AssemblyInfo.vb file Variables (declaration, types, conversion), Constants, Arrays, Variables as Objects, Operators	20%
II	Flow control statements, Looping Statements, Modular coding :Procedures and Functions, appearance of forms, Loading and showing forms, Designing menus, Building dynamic forms at runtime, MDI application	20%
III	TextBox control, ListBox control, CheckedListBox, ComboBox, Controls, ScrollBar and TrackBar Control, Common Dialog control, Color Dialog control, Open and Save as Dialog control, Print Dialog Box, RichTextBox control, Listview, TreeView control	20%
IV	Building class, encapsulation and abstraction, Inheritance, Polymorphism. Sorting and searching in array, Arraylist collection, Hash Table, SortedList class, Char class, String class, DateTime class, Time Span class, Directory class, File class, DirectoryInfo class, FileInfo class.	20%
V	Architecture of ADO.NET, Creating a Data Set, Data binding, Data Adapter object, Command object and Data Reader object. Grid View Control	20%

Basic Text & Reference Books :-	
1.	Mastering Visual Basic .NET by E Petroutsos, BPB
2.	Visual Basic .NET Programming by Peter Aitken's, Dreamtech Press

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Unit	Description		Total Marks
I	Q.1 (A) Answer the Following. (Definitions, Blanks, Full Forms, True/False, Match the Following)	06	14
	Q.1 (B) Medium / Long Questions. (With Internal Option)	08	
II	Q.2 (A) Short / Medium Question of VB.Net Programs. (With Internal Option)	06	14
	Q.2 (B) Medium / Long Questions. (With Internal Option)	08	
III	Q.3 (A) Short / Medium Questions (With Internal Option)	06	14
	Q.3 (B) Medium / Long Questions. (With Internal Option)	08	
IV	Q.4 (A) Short / Medium Questions (With Internal Option)	06	14
	Q.4 (B) Medium / Long Questions. (With Internal Option)	08	
V	Q.5 (A) Short / Medium Questions (With Internal Option)	06	14
	Q.5 (B) Medium / Long Questions of VB.Net / ADO.Net Programs. (With Internal Option)	08	