P.G.D.C.A. Semester – II

DCA - 203 : GUI Programming using Visual Basic

Teaching Scheme (per week)		Teaching Scheme (per semester)		Examination Scheme					
				Internal		External		Total	
Th. (Hours)	Pr. (Hours)	Total (Hours)	Credit	Th. (Marks)	Pr. (Marks)	Th. (Marks)	Pr. (Marks)	Th. (Marks)	Pr. (Marks)
4	---	40	4	30	----	70	---	100	---

Unit – I	[17 Marks]
Introduction to Visual Basic, Introduction to VB Controls Introduction Graphical User Interface (GUI), Programming Language (Procedural, Object Oriented, Event Driven), The visual Basic Environment, **Visual Basic Building Blocks And Default Controls:** Forms, Using Controls, Exploring Properties, Methods And Events, Introduction To Intrinsic Controls, Working With Text, Working With Choices, Special Purpose Controls **Introduction to Variables/Data types :** Types of Variable/ data type Declaration, Rules for variable declaration, Introduction to Constants	
Unit – II	**[18 Marks]**
VB Programming Fundamentals: Assignment Statements, Working With Math Operations, Strings, Formatting Functions. **Controlling And Managing Program**: All Control Statements, Loops, Working With Procedures, Functions. **Common controls and control arrays:** Introduction to common controls- Tree view, list view, Creating and working with control arrays. **VB Advance Controls:** Events, Menu bar, Popup Menus, Tool bar, Message Box, Input Box, Built in Dialog Boxes, Creating MDI, Working with Menus.	
Unit – III	**[17 Marks]**
Visual Basic and databases (DAO,ADO,RDO): Understanding the Data Controls And Bound Controls, Introduction to Data Form Wizard, Introduce DAO, Working With Record sets, Record Pointer, Filters, Indexes, Sorts And Manipulation of Records. **Remote And ActiveX Data Objects:** Working With ODBC, Remote Data Objects And Remote data Control, Introducing ADO, ADO Data Control, Using Data Grid Control And ActiveX Data Objects.	
Unit – IV	**[18 Marks]**
Client-Server Development Tools: COM, Services Models, Development Tools Included with VB 6, Working With SourceSafe Projects. **Reports and Packaging:** Data Reports and Crystal Reports, Packaging A Standard EXE Project.	

Text & Reference Books:

1. Visual Basic 6 Client/Server How-To, JARKE (TACHMEDIA)
2. Using Visual Basic 6, SILER (TMH) Question

Question Paper Scheme:

University Examination Duration : 3 Hours.

Q.1   Descriptive / Long questions.   (12 Marks)

Q.2   Descriptive / Long questions.   (12 Marks)

Q.3   Descriptive / Long questions.   (12 Marks)

Q.4   Descriptive / Long questions.   (12 Marks)

Q.5 -
A. Unit I ,II,III and IV – Objectives/Short Questions   (12 Marks)
B. Program related to syllabus of above subject   (10 Marks)

Note: Options should be given in all questions.