H. N. G. University , Patan
M.C.A(5 Years Integrated Programme) – Semester - III
304: Client Server Architecture & Interface

Unit: 1 [25%]

Client Server Basics:

Discover Client-Server And Other Computing Architectures, Two Tier Versus Three Tire Client-Server Model, COM,DCOM, Services Models

Visual Basic Building Blocks:

Forms, Exploring Properties, Methods And Events,

Intrinsic Visual Basic Controls:
Label and TextBox Controls, Command Button Control, Frame, Checkbox, and Option Button Controls, ListBox, Directory List Box, and File List Box Controls, Drive List box, directory list box, File box controls, formatting controls, control arrays, Tab order

Unit: 2 [25%]

VB Programming Fundamentals And Variables :
Introduction to Variables, Variable Declaration, Arrays, Introduction to Constants And Option Explicit Statement, Assignment Statements, Working With Math Operations, Strings, Formatting Functions

Controlling And Managing Program :
All Control Statements, Loops, Error Trapping, Working With Procedures, Functions

VB Advance Controls :
Menu bar, Popup Menus, Message Box, Input Box, Built-in Dialog Boxes, Creating MDI, Control Array

Unit: 3 [25%]

Visual Basic and Databases :
Understanding the Data Controls And Bound Controls, Introduction to Data Form Wizard, Introduce DAO, Working With Recordsets, Record Pointer, Filters, Indexes, Sorts And Manipulation of Records

Remote And ActiveX Data Objects :
Working With ODBC, Remote data Control, Introducing ADO, ADO Data Control, Using DataGrid Control And ActiveX Data Objects

Unit: 4 [25%]

ActiveX Controls, Extending ActiveX Controls And Classes:
Creating, Testing, Compiling, Enhancing And User Drawn ActiveX Controls, Using ActiveX Control Interface Wizard And Property Pages Wizard, Introducing Ambient, Extender Objects, Building Class Modules, ActiveX DLL

Using Files:
Opening, Closing, and Deleting Files, Reading and Writing to files

Reports And Packaging :
Data Reports And Crystal Reports, Packaging A Standard EXE Project

Text Books:
1.   Visual Basic 6 Client/Server How-To (Unit 1: 1) Techmedia   publication
2.   Using Visual Basic 6 Special Edition, Prentice Hall India Publication.
3.   Mastering Visual Basic 6.0 By Evangelos Petroutsos.

Question Paper Scheme:
Q.1 - Objective Type Unit I & II   (11) Marks
Q.2 - Unit-I OR Q.2 Unit-I   (12) Marks
Q.3 - Unit-II OR Q.3 Unit-II   (12) Marks
Q.4 - Objective Type Unit III & IV   (11) Marks
Q.5 - Unit-III OR Q.5 Unit-III   (12) Marks
Q.6 - Unit-IV OR Q.6 Unit-IV   (12) Marks