

Post Graduate Diploma in Computer Applications (PGDCA) SEMESTER – I

S. No.	Paper Numerical Unique	Class & Papers	Paper Name/Subject	Theory paper		Practical Exams		Internal Evaluation		Total
				Max.	Min.	Max.	Min.	Max.	Min.	
1.	7617	1PGDCA1	Fundamentals of Computers & Information Technology	80	32	-	-	20	08	100
2.	7618	1PGDCA2	PC Packages (Word, Excel, Powerpoint)	50	20	30	12	20	08	100
Elective-I										
3.	7619	1PGDCA3 (A)	Database Using MySQL	50	20	30	12	20	08	100
4.	7620	1PGDCA3 (B)	Database Using MS-Access	50	20	30	12	20	08	100
Elective-II										
5.	7621	1PGDCA4 (A)	Fundamentals of Multimedia	50	20	30	12	20	08	100
6.	7622	1PGDCA4 (B)	Programming with VB .Net	50	20	30	12	20	08	100

Post Graduate Diploma in Computer Applications (PGDCA) SEMESTER – II

S. No.	Paper Numerical Unique	Class & Papers	Paper Name/Subject	Theory paper		Practical Exams		Internal Evaluation		Total
				Max.	Min.	Max.	Min.	Max.	Min.	
1.	7715	2PGDCA1	IT Trends & Technologies	80	32	-	-	20	08	100
2.	7716	2PGDCA2	Internet and Web Designing	50	20	30	12	20	08	100
Elective-I										
3.	7717	2PGDCA3 (A)	DTP with Page Maker & Photoshop	50	20	30	12	20	08	100
4.	7718	2PGDCA3 (B)	Financial Accounting with Tally	50	20	30	12	20	08	100
Elective-II										
5.	7719	2PGDCA4 (A)	Multimedia with Corel Draw, Premier & Sound Forge	50	20	30	12	20	08	100
6.	7720	2PGDCA4 (B)	Programming with ASP .Net	50	20	30	12	20	08	100

**SCHEME FOR
POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA)**

SEMESTER -I

Subject Code	Subject Name	Scheme		Theory Paper	Practical Exams	Internal Evaluation	Total Marks	
		L	P					
1PGDCA1	Fundamentals of Computers & Information Technology	4		80		20	100	
1PGDCA2	PC Packages (Word, Excel, PowerPoint)	3	1	50	30	20	100	
1PGDCA3(A) OR	Elective-I Database Using MySQL	3	1	50	30	20	100	
1PGDCA3(B)	Database Using MS-Access	3	1	50	30	20	100	
1PGDCA4(A) OR	Elective-II Fundamentals of Multimedia	3	1	50	30	20	100	
1PGDCA4(B)	Programming with VB.Net	3	1	50	30	20	100	
Total								400

(L - Lecture, P-Practical)

SEMESTER -II

Subject Code	Subject Name	Scheme		Theory Paper	Practical Exams	Internal Evaluation	Total Marks	
		L	P					
2PGDCA1	IT Trends & Technologies	4		80		20	100	
2PGDCA2	Internet and Web Designing	3	1	50	30	20	100	
2PGDCA3(A) OR	Elective III DTP With Page Maker & Photoshop	3	1	50	30	20	100	
2PGDCA3(B)	Financial Accounting with Tally	3	1	50	30	20	100	
2PGDCA4(A) OR	Elective-IV Multimedia With Corel Draw, Premier & Sound Forge	3	1	50	30	20	100	
2PGDCA4(B)	Programming with ASP.Net	3	1	50	30	20	100	
Total								400

General Instructions:

1. For passing the subject examination minimum 40% marks must be separately scored in Theory Paper, Practical Exams and Internal Evaluation in the subject.
2. For passing the semester, minimum aggregate marks must be 45% in the semester.

M. Maheshwari
Principal
PGDCA

Jan

12/11

Prof. C. P. Agrawal

SEMESTER-I

1PGDCA1 - FUNDAMENTALS OF COMPUTERS & INFORMATION TECHNOLOGY

UNIT-I

Computer System Concepts, Application area, advantage & disadvantage, Components of a computer system - Control unit, ALU, Input/Output, Memory, Mother Board, Generations of computers, Configurations of Computer system, Types of PCs- Desktop, Laptop, Notebook, Palmtop, PDA, Special Purpose computers, Supercomputers Characteristics and area of Uses, Primary Vs Secondary Memory, RAM, ROM, EPROM, PROM.

Various Storage Devices- Magnetic Disks, Hard Disk Drives, Floppy, Disks, Zip Drive, Optical Disks, CD, VCD, CD-R, CD-RW, DVD, DVD-RW, Blue Ray Disc, flash drives SD/MMC Memory cards, Solid-State Drive (SSD).

UNIT-II

Input Devices: Keyboard, Mouse, Trackball, Joystick, Scanners, Digitizing tablet, Digital Camera, MICR, OCR, OMR, Light pen, Barcode & Barcode Reader, Quick Response Code (QR Code), Voice Recognition, Touch Screen.

Output Devices: Monitors- Characteristics and types of monitor, Size, Digital, Analog, Resolution, Refresh Rate, Interlaced/Non-Interlaced, Dot Pitch, Video Standard- VGA, SVGA, XGA etc. Printers and its Types Impact and Non-Impact printer, Dot Matrix, Inkjet, Laser, Plotter, 3D Printers, Sound Card and Speakers

UNIT-III

Software and Its Need, Types of Software- System Software, Application Software, System Software- Operating System- definition & function, Device Drivers & Utility Programs, Introduction & Features of DOS, Windows. Programming Languages- Machine, Assembly, High Level, 4GL, their Merits and Demerits, Uses of Assemblers, Compilers and Interpreter.

Application Software and its Types- Word Processing, Spreadsheet, Presentation Graphics, Data Base Management, Desktop Publishing, communication, Educational, Graphics & Multimedia, Business Accounting, MIS, Gaming and ERP Software etc.

Computer coding system-ASCII, ISCII and Unicode, Number system of computer- Binary, Octal, Decimal, Hexadecimal their conversion.

UNIT-IV

Use of communication and IT, Communication Process, Component of communication- sender, receiver, transmission medium & protocol, Communication types- Simplex, Half Duplex, Full Duplex. Communication Channels- Twisted, Coaxial, Fiber Optic, Modem-Working and characteristics. Types of network- client/server and peer-to-peer networks, Types of connections- Dialup, Leased Lines, ISDN, DSL, RF, Broad band uses, advantages & disadvantages.

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19/11/2018
19/11/2018

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Types of Network- LAN, WAN, MAN, Internet, VPN etc., Topologies of LAN- Ring, Bus, Star, Mesh and Tree topologies- structure, uses, advantages & disadvantages. Components of LAN- Media, NIC, NOS, Network devices - Bridges, HUB, Routers, Repeater, Gateways uses, advantages & disadvantages

UNIT-V

Disk Operating System (DOS): Introduction, DOS Basics - Drive Name, FAT, File and Directory Structure and Naming Rules, Booting Process, DOS System Files.

DOS Commands: Internal - DIR, MD, CD, RD, COPY, COPY CON, DEL, REN, External- TREE, FORMAT, SORT, FDISK, MODE, ATTRIB, HELP, SYS etc., Concepts of Free/Open Source and proprietary software, applications and use of computer in various fields.

LINUX: History & Features, Hardware Requirements of Linux, Various flavors of Linux, Linux Standard Directories, Functions of Profile and Login Files in Linux, Linux Kernel, Login and Logout from Linux System, Linux commands- bc, cal, cat, cd, clear, cmp, cp, mv, date, find, ls, pwd, mkdir, more, rm, rmdir, chgrp, chmod, who, whois.

Reference Books:

- Fundamentals of Computers, Paperback by Reema Thareja, Oxford University Press.
- Computer Fundamentals- 6th Edition by Pradeep K. Sinha, Priti Sinha, BPB Publications.
- Computers Today, A. Ravichandran, Khanna Book Publishing.
- Handbook of Computer Fundamentals by Nasib Singh Gill, Khanna Publishers.

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विभागाध्यक्ष
कम्प्यूटर अनुप्रयोग विभाग

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SEMESTER-I

1PGDCA2 - PC PACKAGES (WORD, EXCEL, POWERPOINT)

UNIT-I

Operating System (Windows 8.1): Overview of Windows Operating System, Basic Operations-How to start a computer, login, logoff, hibernate, shutdown etc, Personalizing Desktop-Desktop Background, Screen Saver, Themes, Setting date & time, Task bar, Files & Folders, Create, Copy, Rename, Moving & Delete Files & Folders, Create & Using Shortcuts, Recycle Bin.

Accessories-MS Paint, Notepad, WordPad, Windows Media Player, Calculator, Games, Math Input Panel, Language Settings-How to set other languages on computer Using Control Panel to add, remove or configuring new or existing devices and software programmes and fonts, Enhance the performance of computer- using Disk Clean-up, using Disk Defragmenter, Using Windows Update, Protecting your computer against viruses.

Using Internet in Windows: Basic Operations using Internet Browser-Working with browsers, Know about WWW, URL, Search Engines, Searching information on Wikipedia, Subscribing and reading newspapers online, Typing text in the regional language, Using Google Maps, Working with Google Apps, Online Ticket Booking, , Apply for PAN Card/Passport /Aadhar Card online, Pay electricity bill and service tax online, Booking gas refill online, Downloading eBooks.

UNIT-II

Modern office activities and their software requirements, Introduction to Office Automation Suit, Elements of office suit & area of use. Word-processing, Spreadsheet, Presentation graphics, Database, Introduction and comparison of various office suites like Apache OpenOffice, Libre Office, Calligra Suite, WPS office, KOffice, Google Docs & Microsoft office.

MS Word Basics: Introduction to MS Office (2013), Introduction to MS Word, Features & area of use. Various versions of MS Office and their requirements, Working with MS Word, Menus & Commands, Ribbon, Toolbars & Buttons, Shortcut Menus, Wizards & Templates, Creating a New Document, Different Page Views and layouts, Applying various Text Enhancements- Fonts, Styles, Text Attributes, Formatting Your Text and Documents: Auto format, Paragraph and Page Formatting, Line spacing, Margins, Borders and Shading, Tabs and Indents, Text Editing using various features, Bullets, Numbering, Working with Styles, Printing & various print options, Spell Check Working with Headers and Footers.

Tables: Creating a simple table, Creating a table using the table menu, Entering and editing text in a table, selecting in table, adding rows, changing row heights, Deleting rows, Inserting columns, Deleting columns, changing column width, conversion to and from text.

UNIT-III

Advanced Features of MSWord-Spell Check, Thesaurus, Find & Replace, Files, Auto texts, Symbols etc., Working with Columns, Tabs & Indents, Margins & Space management in Document, Page, Column & Section Breaks, Adding References, Using

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2014-15-2015-16
2014-15-2015-16

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footnote and endnote in documents, creating automatic Table of Contents, Using Themes, Watermarks, Inserting Equations & Symbols.

Graphics: Importing graphics, Clipart, Insert picture, Using Clip Art, Shapes and SmartArt in documents, using drawing features, drawing objects, text in drawing. Taking and inserting Screenshots in Documents, Using WordArt and Drop Cap features in documents. Templates: Template types, using templates, exploring templates, modifying templates.

Mail Merge in MS Word, Mail Merge concept, Envelops & Mailing Labels, Importing and exporting to and from various formats, Macros in MS Word: Macro introduction and their use, recording macros, editing macros, running a macro.

UNIT-IV

MS Excel Spreadsheet Basics & features, concepts of Workbook & Worksheets, Getting started, Creating a new worksheet, Using Wizards, Various Data Types, Selecting cells, Entering and editing text, Entering and editing Numbers, Removing & Resizing of Columns & Rows, entering and editing Formulas, Referencing cells, moving cells, copying cells, sorting cell data, inserting rows, inserting columns, Inserting cells, Deleting parts of a worksheet, clearing parts of a worksheet, Different Views of Worksheets.

Formatting: Page setup, Cell Formatting, changing column widths and Row heights, auto format, changing font sizes and Attributes, centering text across columns, using border buttons and Commands, changing colors and shading, hiding rows and columns, Working with Data & Ranges, Column Freezing, Labels, Hiding, Splitting, merging etc.

Charts: Chart parts and terminology, chart wizard, different types of charts, printing charts, deleting charts, linking in spreadsheet, Printing of Workbook & Worksheets with various options.

UNIT-V

MS PowerPoint: Introduction & area of use, Working with MS PowerPoint, Creating a New Presentation, Working with Presentation, Using Wizards; Slides & its different views, Inserting, Deleting and Copying of Slides; Working with Notes, Handouts, Columns & Lists, Adding Graphics, shapes, screenshots, Smart Art and charts in presentation, Sounds and Movies to a Slide; Working with PowerPoint Objects, Designing & Presentation of a Slide Show, change Slide backgrounds, Change Slide Size, Using Animation and Transitions in presentation, Advanced Slide options- Manual & Automatic, Printing Presentations, Notes, Handouts with print option, Slide Master, Handout Master and Notes Master.

Outlook Express: Features and uses, Configuration and using Outlook Express for accessing emails in office, Add e-mail accounts to Outlook, Create emails, send and receive emails in outlook.

Reference Books:

- Introducing Windows 8.1 for IT Professionals Technical Overview, ED BOTT, Microsoft Press e-book download from https://blogs.msdn.microsoft.com/microsoft_press/2013/10/14/free-ebook-introducing-windows-8-1-for-it-professionals/

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- Windows 8.1. by Pert Mason, Bookboon Download online at <http://bookboon.com/en/windows-8-1-english-ebook>
- Windows 8.1 In Depth, by Knittel, PEARSON
- Windows 8.1 Plain and Simple by Joli Ballew, Nancy Muir, PHI
- MCSA Microsoft Windows 8.1 Complete Study Guide: Exams 70-687, 70-688, Jeffrey R. Shapiro, Darril Gibson, Wiley India
- Windows 8.1 For Dummies By Andy Rathbone, Wiley India
- Office 2013 in Simple Steps, Kogent Learning Solutions Inc., Wiley India
- Microsoft Office 2013 Bible, Lisa A. Bucki, John Walkenbach, Faith Wempen, Michael Alexander, Dick Kusleika, Wiley India,
- Microsoft Office: 2013 Edition Inside Out, Bott Ed, Siechert, Carl, Prentice Hall Of India (PHI)
- Microsoft Office Professional 2013 Step By Step, Melton, Beth, Dodge, Mark, Swinford, Echo, Couch, Andrew, Legault, Eric, Schorr, Ben M., Rusen, Ciprian Adrian, Prentice Hall of India (PHI)
- Learning Microsoft Office 2013, Paperback by Ramesh Bangia, Khanna Book Publishing
- Microsoft Office 2013 : Digital Classroom, Paperback by Walter Holland, ACI Creative Team, WILEY

Practical Questions:

Q. Load Microsoft Word & type the following text and do the following tasks:

Television

How does television affect our lives? It can be very helpful to people who carefully choose the shows that they watch. Television can increase our knowledge of the outside world, there are high quality programmers that helps us to understand many fields of study, science, medicine, the arts and so on. Moreover, television benefits very old people, who can't often leave the house as well as patients in hospitals. It also offers non native speakers the advantage of daily informal language practice. They can increase their vocabulary and practice listening.

On the other hand, there are several serious disadvantages of television. Of course, it provides us with a pleasant way to relax and spend our free time, but in some countries, people watch the 'blood tube' for an average of six hours or more a day. Many children stare at a television screen for more hours each day than they do anything else including studying & sleeping. It's clear that the tube has a powerful influence on their lives and that its influence is often negative.

1. Save your work as "Television" on Desktop.
2. Set the heading : Font Times New Roman Size 18, align centre & Bold,
3. Set the remaining text with font Calibri & size 12
4. Underline the heading & change all letters to uppercase
5. Run the spell checker.
6. Apply indentation to the first line of the second paragraph
7. Change the line spacing of the paragraphs to 1.5.

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 10/11/2013
 10/11/2013

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8. Replace the word "screen" with monitor.
9. Apply a 6pt width page border to the document
10. Change the Page orientation to Landscape

Q. Type the given text in similar format using list in the word:

1. Select the first, then hold CTRL whilst selecting the rest
 - Right click on them
 - Double click on them
 - Use the TAB button
2. How do you get capital letters using just one finger?
 - Use the SHIFT LOCK key
 - Use the TAB key
 - Use the ESCAPE key
 - Use the CTRL key
3. What is the short cut for copying data to the clipboard?
 - CTRL + C
 - CTRL + X
 - CTRL + Z
 - CTRL + V

Q. Create a table as shown below.

Student Name		Marks1	Marks2
First Name	Last Name		

1. Enter the detail in the table
2. Insert one row after Marks 2 and name its heading as Total
3. Calculate total of Marks1 & Marks2 and enter in Total Column
4. Bold the Student Name, Marks1, Marks2 , & Total

Q. Type the following text in Hindi using UNICODE

हँसी शरीर के स्वास्थ्य का शुभ सवांद देने वाली है। वह एक साथ ही शरीर और मन को प्रसन्न करती है। पाचन शक्ति बढ़ाती है, रक्त को चलती है और अधिक पसीना लाती है। हँसी एक शक्तिशाली दवा है। एक डॉक्टर कहता है कि वह जीवन कि मीठी मदिरा है। डॉक्टर ह्युड कहता है कि आनंद से बढ़कर बहुमूल्य वस्तु मनुष्य के पास और कोई नहीं। कारलाइल एक राजकुमार था। संसार त्यागी हो गया था वह कहता है कि जो जी से हँसता है, वह कभी बुरा नहीं होता। जी से हँसो, तुम्हे अच्छा लगेगा। अपने मित्र को हँसाओ, अव अधिक प्रसन्न होगा। शत्रु को हँसाओ, तुम से कम घर्णा करेगा। एक अनजान को हँसाओ, तुम पर भरोसा करेगा। उदास को हँसाओ, उसका दुःख घटेगा। एक निराश को हँसाओ, उसकी आशा बढेगी। एक बूढे को हँसाओ, वह अपने को जवान समझने लगेगा। एक बालक को हँसाओ, उसके

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 10/11/2014
 10/11/2014

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[Signature]

स्वास्थ्य में वृद्धि होगी। वह प्रसन्न और प्यारा बालक बनेगा। पर हमारे जीवन का उद्देश्य केवल हँसी ही नहीं है, हमको बहुत काम करने हैं। तथापि उन कामों में, कष्टों में और चिंताओं में एक सुंदर आंतरिक हँसी, बड़ी प्यारी वस्तु भगवान ने दी है।

Q. Send a letter to your classmates using mail merge.

Q. Write about introduction of computer and insert pictures related to it.

Q. Open Microsoft Excel and perform the following /

- Input experimental data into Microsoft Excel worksheet.
- Properly format and organize data inserted.
- Perform calculations in Microsoft Excel using formulas and various built-in functions.
- Generate simple and effective tables and graphs to describe experimental data in Microsoft Excel.
- Integrate both graphs and tables created in Microsoft Excel into Microsoft Word document.

Q. Present Power Point Slides to explain various input devices

Q. Present Power Point Slides to explain various output devices

Q. Present Power Point Slides to show various tourist places of Madhya Pradesh.

Q. Apply text and slide transitions

Q. Insert image & sound file in Presentation

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कम्प्यूटर अनुप्रयोग विभाग

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SEMESTER-I

1PGDCA3(B) - DATABASE USING MS ACCESS

(ELECTIVE-I)

UNIT-I

Introduction to database -What is a Database, Why use a Relational Database, Overview of Database Design- Data Normalization (Determining tables, Determining Fields, Determining Relationships) Integrity Rules/ (Primary/Foreign Key, One-to-Many, Many-to-Many, One-to-One) Introduction to MS Access (Objects, Navigation).

UNIT-II

Tables in Database, Create a Table in MS Access- Data Types, Field Properties, Fields: names, types, properties- default values, format, caption, validation rules Data Entry, Add record delete record and edit text, Sort, find/replace, filter/ select, rearrange columns, freeze columns. Edit a Tables- copy, delete, import, modify table structure, find, replace.

UNIT-III

Working with Query, Setting up Relationships- Define relationships, add a relationship, set a rule for Referential Integrity, change the join type, delete a relationship, save relationship Queries & Filter - difference between queries and filter, filter using multiple fields AND, OR, advance filter Queries, create Query with one table, find record with select query, find duplicate record with query, find unmatched record with query, run query, save and change query.

UNIT-IV

Working with Forms, Introduction to Forms Types of Basic Forms: Columnar, Tabular, Datasheet, Main/Subforms, add headers and footers, add fields to form, add text to form use label option button, check box, combo box, list box Forms Wizard, Create Template.

UNIT-V

Working with Reports, Introduction to Reports, Types of Basic Reports: Single Column, Tabular Report Groups/Total, single table report, multi table report preview report print report, Creating Reports and Labels, Wizard.

Reference Books:

- MS Office XP complete BPB publication ISBN 8 1-7656-564-4.
- MS Access fast & easy by faithe wempen PHI.

M. Maheshwari

10/10/2011

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Practical Questions:

Q. Create New Database name "student" (with relevant data type) and add following records:

Roll_NO	FNAME	SNAME	CITY	COURSE	FEE_DEPOSITED
100	ANIL	VRCE	BHOPAL	DCA	1000.00
101	SUNIL	RANA	DELHI	DCA	500.00
102	MEHUL	KOSHIK	BOMBAY	PGDCA	1500.00
104	MADHURI	CHANDI	PATNA	BCA	1200.00
105	PRMOD	MEHRA	NAGPUR	DCA	2000.00
106	SANDIP	DHEER	NAGPUR	PGDCA	1200.00
107	SHIVANI	VIRAR	SURAT	PGDCA	1000.00
108	KRANTI	NEHRU	DELHI	DCA	500.00
109	MINU	POWAI	BHOPAL	PGDCA	700.00
110	VINOD	SINHA	BHOPAL	BCA	800.00

Perform the following operation on above database:

- To display all records in the database
- To display records based on some conditions
- To display the structure of the database
- To display FNAME and city whose course name is dca
- To delete current record
- To delete records based on some condition
- To delete all the records in current database
- To replace all BOMBAY with MUMBAI
- To give details of FNAME & SNAME having fees deposited between 1400 and 3000.
- Modify the table and add one more field "INSTITUTE_NAME" and fill the data
- Sort/Index with City
- Sort/Index with FNAME & SNAME
- To count the number of records in the database
- To calculate the total fees deposited
- To input records and add them in the database
- Find the name of the student who deposited minimum fees
- To Display the sum of fees deposited by all DCA students
- To Display the sum of fees deposited in each course
- Add one more column "FINE" in table and insert 50 Rs in each record.
- Add one more column "TOTAL" in table and update the table as $TOTAL = FEE_DEPOSITED + FINE$
- Delete the column "TOTAL"
- Create two tables with attribute of your choice and perform the join operation

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10/10/2021

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SEMESTER-I

1PGDCA4(B) – PROGRAMMING WITH VB .NET

(ELECTIVE-II)

UNIT-I

Object Oriented Programming Language – Object Oriented Programming Concepts, Object Oriented Programming Compared to Traditional Programming Objects, Messages, Methods and Classes. Control Structures, Inheritance and Polymorphism, Advantages, Usage. Program development environment

UNIT-II

Introduction to .NET, .NET Framework features & architecture, CLR, Common Type System, MSIL, Introduction to visual studio, Visual BASIC, visual development & event drive Programming, Methods and events, Variables, Data Type of variables, Classes & Objects, simple projects in VB.NET, constructor, inheritance, Access Specifiers, Overloading

UNIT-III

Scope & lifetime of a variable, Arrays, Collections, Subroutines, Functions, Control flow statements: conditional statement, loop statement. MsgBox & Input box. Forms: Loading, showing and hiding forms, Methods and events, GUI Programming with Windows Form, Textbox, Label, Button, simple projects in VB.NET using these controls

UNIT-IV

More advanced tools, Listbox, Combobox, Checkbox, PictureBox, Radio Button, Panel, scroll bar, Timer, Dialog boxes, Designing menus, Advanced projects in VB.NET using these controls

UNIT-V

Database programming with ADO.NET Accessing Data using Server Explorer, Creating Connection, Accessing Data using Data Adapters and Datasets, using Command & Data Reader, data bind Controls, displaying data in data grid. Processing Access Database using ADO.NET Object model, Connection object, Command object, Add, delete, move & update records to dataset. Projects in VB.NET using database

Reference Books (Based on Visual Studio 2010 or Above):

- Vb.Net Programming Black Book By Steven Holzner Dreamtech Publications
- Mastering Vb.Net By Evangelos Pet Routsos - Bpb Publications
- Introduction To .Net Framework -Worx Publication MSDN. Microsoft.Com/ Net Www.Gotdotnet. Com
- Vb.Net Black Book By Steven Holzner Dreamiech

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Practical list for VB .NET Programming:

VB.Net: Practical's list for submission.

- Design the digital watch using Timer Control.
- Write a program for Book Issue module of Library Management System.
- Write a program to input marks of 3 subject ENGLISH, HINDI, and MATHS as input on console. Display total marks, percentage and find the subject in which lowest marks is obtained.
- Design the following form. So that when user selects and clicks the arrow button it performs the required result.
- Write a program for performing the functions of a Simple & Scientific Calculator.
- Write a VB.NET program to accept any character from keyboard and display whether it is vowel or not.
- Write a Program to Add, Subtract, Multiply and Divide any two numbers by using Input and Message box.
- Design the following form. So that when user clicks on Radio Button then select appropriate check box.
- Write a program to find smallest number using array.
- Write a Program using a list box and combo box.
- Create one Text Box and one Button. When you click Button, Text Box will show "HELLO WORLD".
- Design the following Tic-tac-toe game:
- Write an application to swap any two elements of array. Take index numbers of both as input.
- Design the following Login Form and make it functional
- Write a program for creating a new Word Editor.
- Write a Program to Add, Subtract, Multiply and Divide any two numbers by using Input and Message box.
- Write a Program to print any number table with standard format.
- Write a program to display first 10 even numbers and add them using five formats of looping.
- Create a program for launch of a rocket on the screen.
- Design a Calculator Window Application that will take two numbers and will perform add, subtract, multiply and division operation.

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19/11/2021
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