

Chhindwara University, Chhindwara (M.P.)

SYLLABUS OF PGDCA SEMESTER II

Course	Title of paper	Max. Marks			Minimum Marks			Total Marks
		Theory	CCE	Practical	Theory	CCE	Practical	
PGDCA-201	Internet Concepts and Web Design	80	20	-	32	8	-	100
PGDCA-202	Programming with VB.Net	80	20	-	32	8	-	100
PGDCA-203	DBMS/RDBMS with MS Access	80	20	-	32	8	-	100
PGDCA-204	Financial Accounting and Tally	80	20	-	32	8	-	100
PGDCA-205L	Practicals based on Web-Design and Tally	-	-	50	-	-	25	50
PGDCA-206L	Practicals based on Visual Programming and MS-Access	-	-	50	-	-	25	50
PGDCA-207P	Project Work (Valuation + Viva)							100
Total Marks								600

The scheme of examination and the allotment of marks shall be as under

Sections/Part	Questions Type	Marks Distribution	Remark
Section -A	Objective Type Questions(At least one question to be set from each unit)	1x10=10 Marks	
Section -B	Short Answer Type Question(Two questions to be set from each unit and one from each unit to be attempted)	4x5=20 Marks	
Section -C	Long Answer Type Question(Two questions to be set from each unit and one from each unit to be attempted)	10x5=50 Marks	
Total		80 Marks	

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Detailed Syllabus for PGDCA Semester II PGDCA-201 Internet Concepts and Web Design

Max. Marks for theory: 80 Internal Assessment: 20 (Min Passing Marks 40% in each)

UNIT I: History of the internet, internetworking concepts, architecture, and protocol: switch, router, protocols for internetworking, internet address and domains. Introduction World Wide Web (WWW), working of web browser and web server, Web server and its deployment, N-tier architecture, services of web server, Common gateway interface (CGI), Uniform Resource Locator (URL), format of the URL, Hyper Text Transfer Protocol (HTTP), feature of HTTP protocol HTTP request-response model, Hyper Text Transfer Protocol Secure (HTTPS).

UNIT II: Principles and planning of Web Design: Design for the medium: craft the look and feel, portable design, design for low band width, plan for clear presentation and easy access, Design the whole site: smooth transition, grids for visual structure, active white space, Design for the user: design for interaction, location, flat hierarchy, power of hypertext linking, content decision, Design for the screen, Planning the site, site specification, identity and content goal, analyzing audience, building website development team, filename and URLs, Directory structure, diagram the site.

UNIT III: Introduction to HTML: Introduction to HTML, Elements of HTML syntax, Head and Body sections, Building HTML documents, Inserting text, images, hyperlinks, Backgrounds and Color Control, meta tags, ordered and unordered lists, Table Handling: Table layout & presentation, constructing tables in a web page, Frames: Developing Web pages using frames. Forms and its elements, special tags like COLGROUP, THEAD, TBODY, TFOOT, IFRAME, LABEL etc.

UNIT IV: Introduction to JAVASCRIPT: JavaScript variables and data types, statement and operators, control structure object-oriented programming: Functions, Executing deferred scripts, objects, Messaging in a JavaScript: dialog boxes, Alert boxes, confirm boxes, prompt boxes, JavaScript with HTML, Events, Events Handlers, Forms, Forms array.

UNIT V: Site Navigation and Publishing of Website: Crating usable navigation, Using text based navigation: Linking with text based navigation bar, linking to individual files, linking to document/external document fragments, contextual linking, Using graphics based navigation: using text image for navigation, using icon for navigation. Website Publishing: choosing an internet service provider, buying a domain name, using FTP to upload files, Website testing: testing consideration, user testing, feedback form. Refining and updating contents, working with search engines submitting URLs to search engines.

Text Books:-

1. Joel Sklar: Principles of Web Design, Thiomsom Learning, Vikas Publisher.
2. Web Technologies- A computer science perspective By Jeffrey C. Jackson, Pearson Education .
3. Thomas A. Powell: HTML complete Refrence, TMH
4. The Complete Reference Web Design, Thomas A. Powell
5. Internet and Web Design, Vikas Gupta, DreamTech.

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PGDCA 201

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6. B Underdahle and K Underdahle, Internet and Web Page/ WebSite Design, Second Edition, 2001, IDG Books India (P) Ltd.
7. D Comer, The Internet Book, Second Edition, 2001, Prentice Hall of India.

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PGDCA-202 Programming with VB.Net

Max. Marks for theory: 80 Internal Assessment: 20 (Min Passing Marks 40% in each)

UNIT-I : Introduction to .NET, .NET Framework features & architecture, CLR, Common Type System, MSIL, Assemblies and class libraries.

Introduction to visual studio, Project basics, types of project in .Net, IDE of VB.NET- Menu bar, Toolbar, Solution Explorer, Toolbox, Properties Window, Form Designer, Output Window, Object Browser. The environment: Editor tab, format tab, general tab, docking tab. Visual development & event drive Programming -Methods and events.

UNIT-II : The VB.NET Language- Variables -Declaring variables, Data Type of variables, Forcing variables declarations, Scope & lifetime of a variable, Constants, Arrays, types of array, control array, Collections, Subroutines, Functions, Passing variable Number of Argument Optional Argument, Returning value from function. Control flow statements: conditional statement, loop statement. MsgBox & Inputbox.

UNIT - III : Working with Forms : Loading, showing and hiding forms, controlling One form within another. GUI Programming with Windows Form: Textbox, Label, Button, Listbox, Combobox, Checkbox, PictureBox, RadioButton, Panel, scroll bar, Timer, ListView, TreeView, toolbar, StatusBar. There Properties, Methods and events. OpenFileDialog, SaveFileDialog, FontDialog, ColorDialog, PrintDialog. Link Label. Designing menus : ContextMenu, access & shortcut keys.


UNIT-IV : Object oriented Programming: Classes & objects, fields Properties, Methods & Events, constructor, inheritance. Access Specifiers: Public Private, Protected. Overloading, My Base & My class keywords. Overview of OLE, Accessing the WIN32 API from VB.NET. COM technology, advantages of COM+, COM & .NET, Create User control, register User Control, access com components in .net application.

UNIT-V : Database programming with ADO.NET – Overview of ADO, from ADO to ADO.NET, Accessing Data using Server Explorer. Creating Connection, Command, Data Adapter and Data Set with OLEDB and SQLDB. Display Data on data bound controls, display data on data grid.


TEXT & REFERENCE BOOKS :

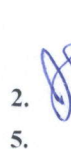
1. VB.NET PROGRAMMING BLACK BOOK BY STEVEN HOLZNER –DREAMTECH PUBLICATIONS
2. MASTERING VB.NET BY EVANGELOS PETROUTSOS- BPB PUBLICATIONS
3. INTRODUCTION TO .NET FRAMEWORK-WORX PUBLICATION
4. MSDN.MICROSOFT.COM/NET/ WWW.GOTDOTNET.COM

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PGDCA-203 DBMS/RDBMS with MS Access

Max. Marks for theory: 80 Internal Assessment: 20 (Min Passing Marks 40% in each)

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 : 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, re-arrange columns, freeze columns . Edit a Tables- copy, delete, import, modify table structure find replace.

UNIT III : 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 ,fiend record with select query, find duplicate record with query ,find unmatched record with query, run query ,save and change query.

UNIT IV : 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 : 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 .


1. Ms Office XP complete BPB publication
2. Ms Access 2002 fast&easy by Faithe Wempen

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PGDCA-204 Financial Accounting and Tally

Max. Marks for theory: 80 Internal Assessment: 20, (Min Passing Marks 40% in each)

UNIT-I :

Meaning and objects of accounting, accounting concepts and conventions, accounting equations, rules of Journalizing; Cash-book, Ledger posting, preparation of trial balance,

UNIT-II :

Trading and profit and loss account and balance sheet with adjustments relating. to closing stock, outstanding expenses, prepaid expenses , accrued income depreciation, bad debts, provision for bad. debts, provision for discount on-debtors and creditors.

UNIT-III :

Inventory pricing , FIFO and LIFO methods; Simple problems of funds flow statement, cost volume, profit analysis.

UNIT-IV:

Standard costing, computation of material and labour variances, budgetary control, preparation of cash budget and flexible budget.

UNIT-V :


Introduction to Tally, Installation, creating a company, various features (accounting, Inventory, Statutory, Taxation etc.) of tally, Accounts Masters creation, Inventory Masters creation, Entering Accounts Vouchers, Entering Inventory Vouchers, Display/Reports in Tally.

BOOKS:

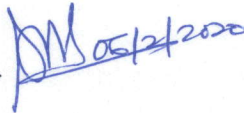
1. Bhattacharya S.K. and Deardan John "Accounting for Management PHI
2. Chadwick "The essence of financial accounting" PHI
3. Dinesh Maidasani. Tally 9.0, Firewall media,
4. Grewal "Introduction to Book -, keeping"
5. Subhash Sharma "Management control systems" TMH

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