

S.N.D.T. WOMEN'S UNIVERSITY
B.COM II AND III

B. Com – III

Semester – VI

Specialisation Group - Computer Studies Paper VI

Advanced Systems, Computer Languages, Programming and Applications.

Computer Code 655618 - 4 Credits

Objectives: The course provides the learner a expert overview of Accounting and other Business Applications using computer.				
Unit	Topic	No of Lectures	Credit	Weightage %
Unit -1	<p>Objective: To make the learner confident with MS-EXCEL Applications and Mobile Computing.</p> <p><u>Practical applications of MS Excel</u> Learning to make the use of Templates, Naming a range of cells, Connecting two work sheets, Connecting two work books, Use of side by side feature, Making use of various options with Paste, Transpose feature, Formatting a worksheet, Data Validation, Templates, Creating Macros in MS-Excel, EXCEL Addons</p> <p><u>MOBILE COMPUTING</u> Types of Mobiles, Operating systems in mobiles, Categories of Applications on Play Store. Downloading and installing applications – UTS, NET, M-Indiciator, Zomato, Moneycontrol, Phonepe, Banking, Stock Market, Mutual Funds, Tasks, Calendars, Benefits of Mobile Applications in day to day task</p>	15	1	25%
Unit-2	<p>Objective: To make the learner familiar with various aspects of business.</p> <p>Business Process Automation Meaning, Functions, Process Management, Examples of Process Flow, Steps in Business Process Automation.</p> <p>FLOW CHARTING Definition & Uses Symbols of Flow Charting. Concepts of Conditions, Loop. How to Draw a Flow Chart. Constants - Numeric, Non-Numeric Variables - Numeric, Non-Numeric Problems of drawing Flow Chart</p>	15	1	25%

S.N.D.T. WOMEN'S UNIVERSITY
B.COM II AND III

	<p>Data Flow Diagram</p> <p>Enterprise Resource Planning</p> <p>Meaning, Features, Modules, Examples, Advantages, Limitations</p> <p>Modules – Finance and Accounting, Controlling, Sales & Distribution, Human Resources, Product Planning, Materials Management, Quality Management, Supply Chain Management, Customer Relationship Management</p> <p>Reporting Systems and M.I.S.</p> <p>Various types of Reports, MIS Reports, Data Analytics</p> <p>COMPUTER LANGUAGES</p> <p>What is a Computer Language ?</p> <p>Which are the different types of Computer Languages ?</p> <p>What are Commands & Functions ?</p>			
Unit -3	<p>Objective: To make the learner aware about Computer Languages and Programming.</p> <p>DATABASE BASICS - Foxpro 2.50 DOS / WINDOWS / Access 2007</p> <p>Basic Concepts</p> <p>Database, Record, Field, Character, Types of Fields</p> <p>Commands – Create, Display Structure (To Print), Modify Structure, Quit, Use, Append, Edit Browse, List (To Print), Display, Locate, Delete, Pack, Zap, Replace, Go, Skip, For – While,</p> <p>Scope of commands (All, Rest, Next)</p> <p>Sorting & Indexing, Sum, Average, Count</p> <p>Creating & Printing Labels & Reports</p> <p>Various Date Formats & Date Arithmetic</p> <p>Functions – Date(), Time(), Recno(), Reccount(), Min(), Max(), Round(), BOF(), EOF(), Mod(), Sqrt(), CTOD(), DTOC(), DAY(), CDOW(), MON(), CMON(), LEFT(), R.GHT(), STR(),SUBSTR(), Ltrim(), Rtrim(), LTRIM(), Upper(), Lower(), Proper(), Left(), Right(), Found()</p> <p>Opening Multiple Databases and Setting Relation</p> <p>Set Commands – Default to, Decimal to, Talk, Escape, Confirm, Index</p> <p>MS ACCESS</p> <p>What is Access ? Concept of Database & Tables</p> <p>Creating Tables, Saving Tables, Setting Primary Key</p> <p>Modifying Table Structure, Adding Records in the Table</p>	15	1	25%

S.N.D.T. WOMEN'S UNIVERSITY
B.COM II AND III

Unit -4	<p>Objective: To make the learner confident to develop a system.</p> <p>PRINCIPLES OF PROGRAMMING About Structure Programming Modular Programming Data Types Variables (Declaration, Rules, Classification) Operators (Arithmetic, Relational, Logical, Assignment Increment/Decrement, Conditional</p> <p>PROGRAMING COMMANDS Set Talk, Set Autosave, Set Default, Set Print, Set Status, Set Color, ?,??, For – Endfor, Do While – Enddo, Scan – Endscan Accept, Input, Wait, Return, Eject, Close, @Say, @Get, Read, Append Blank, If – Else-Endif, Text – Endtext</p> <p>PROGRAMMING IN FOXPRO Creating, Saving, Basic Editing, Running, Printing, Saving Program file Programs without the use of files Programs with the use of files Developing a small system</p>	15	1	25%
	Total	60	4	100%

RECOMMENDED BOOKS

1. Foxpro 2.50 - R. K. Taxali, B. P. B. Publications
2. Learn MS-Access in one day, B. P. B. Publications
3. Understanding dbaseIII+ - Alan Simpson, B. P. B. Publications
4. Advanced Techniques in dbaseIII+ - Alan Simpson, B. P. B. Publications
5. An Insight into flow charting - V. K. Jain, B. P. B. Publications
6. BASIC Programming - V. K. Jain / Balgurav Swamy, B. P. B. Publications
7. Internet to Go - Alan Simpson
8. Internet Complete
9. M.S. Office - Power Point 2013 - Tom Bunzel
10. Comdex Desktop Pub. Course - Vikas Gupta
11. Implementing Tally Payroll – Nadhani
12. Internet 6 in 1
13. Training Guide MS Excel 2013
14. Training Guide MS Word 2013