

**Course: DCA Semester: I**

**Sub Code: 1DCA3 (A)**

**Subject Name: (A) Foxpro (Elective -1)**

### **UNIT-I**

**FoxPro** - The RDBMS for PC, Concept of database What is Data, Information, Database, File, DBMS, RDBMS Example DBMS and RDBMS Software.

FoxPro - Versions, features, requirement of Hardware and Software.

Loading Foxpro

FoxPro - Menu System Loading with pad and Mouse, Working with FoxPro Creating Database File Defining and saving Database Structure, Entering Records and Listing Contents in Database File. File Extension and File naming Rule.

FoxPro - Data Types Numerical, Float, Character, Date, Logical, Memo, General

Some common operations on data- CREATE, LIST, APPEND, CLOSE, QUIT and Editing Data, Data Displaying Commands - LIST, DISPLAY, LOCATE, EDIT, CHANGE, BROWSE, REPLACE, DELETE, RECALL, PACK (All Commands with various Options)

### **UNIT-II**

File utilities in FoxPro MODIFY STRUCTURE, MEMO FIELD: Entering Data, Listing data.

FILE UTILITIES – DISPLAY, DIRECTORY, COPY, DELETE, RENAME.

Sorting And Indexing of Database: What is Sorting , SORT and options of SORT, Sorting in descending Order, Ignoring Case while Sorting, Selecting Fields in the SORT file, Including Selected Records in Sort File, Sorting Using SORT dialogue box.

Using INDEX command, Including Selected Records in Index File, Removing Duplicate Records From Index File, Updating Index File, Corrupted Index File, Indexing Concept Saving the Index File.

Sort Commands - Single & Multiple Key Advantage & Disadvantages of Sort, Indexing Vs Sorting, Single & Multiple Key, Indexing, FIND, SEEK, FoxPro Report- its creation, features & Utilities, Preview, Printing Custom Report, grouping & Sub grouping. FoxPro Label - Designing & Printing.

### **UNIT-III**

Memory Variables Creating and Using Memory Variable STORE, Using = SPACE( ), Array Memory variable, Saving and Restoring Memory Variable, Date & Time Functions TIME( ), System Clock Display, SECOND( ),SYS( ),DATE( ), Set Century ON/OFF SET MARK TO, DAY( ), MONTH( ), CMONTH( ), YEAR( ), Date Arithmetic,

Keyboard Macros ,The ?/??/??? Commands, Using and Defining Function Keys ,  
Keyboard Macros – Creating, saving, restoring, using, editing and Recording Macro.

#### **UNIT-IV**

Programme with Foxpro, Concepts of FoxPro commands file, Modify Command, Conditioning, Branching and Looping within Program files with, Do- While Enddo, If - Endif, Scan-End Scan, For - Endfor, Docode Endcase, Text - Endtext, Executing Commands from other command files, Macro Substitution, Error Condition in Command Mode, Error Condition while execution of Program, Common Error Messages, Debugging techniques and commands TYPE Program, Saving Screen Activity in the alternate File, Trace Window Monitoring, Unmatched Loop.

#### **UNIT-V**

Concept of Multiple Database Files - Using multiple database files: Opening multiple Data Base Files, Relational the database – SET RELATION, UPDATE, APPEND, FROM, COPY TO, JOIN, Relation Query by Example and SQL: Opening RQBE window, Arranging and saving Records in a File.

CUSTOM SCREENS & USER DEFINE FUNCTIONS & OTHER TOOLS, Create Custom Screen with @, @\_GET, @LEDIT, @\_SAY\_GET\_READ, Drawing and Clearing Box @ Command, User Define Functions, Character File Manipulation and Key Manipulation Function. Custom Screen Designing with @ Command, Screen Builder and Create Screen .@ GET Command. FoxDoc for documentation.

#### **TEXT & REFERENCE BOOKS:**

*FOXPRO MADE SIMPLE BY R.K T AXALI, BPB PUBLICATIONS*

*MASTERING FOXPRO 2.5 BPB PUBLICATIONS*

*FOXPRO 2. 6 FOR DUMMIES - PUSTAK MAHAL*