SARDAR PATEL UNIVERSITY
Programme: BCA
Semester: II
Syllabus with effect from: November/December-2011

Paper Code: US02CBCA03	Total Credit: 3
Title Of Paper: Database Management Systems	

Unit	Description in detail	Weighting (%)
I	**Introduction to DBMS** File processing concepts Basics of databases Database Management System – meaning, components, advantages, disadvantages Aims of database technology : Data independence, Data redundancy control, Data Sharing, Data integrity Database life cycle, Data Dictionary Concepts of database, fields, records Creation of a database file Data types Modify structure of a database file	25%
II	**Working with Database Files** Adding, listing, editing, replacing and deleting data Sorting vs Indexing Searching	25%
III	**Built-in Functions & Command Files** Arithmetic functions, Date and time functions, String manipulation functions, Logical functions, Database related functions, Miscellaneous functions Creating, editing and executing command files Making decision Loops	25%
IV	**Advanced Features** Working with multiple database files at a time Screens Reports Labels. Working with menus	25%

Basic Text & Reference Books :-

- Desai, Bipin C. : Introduction to database systems, West Publishing Co., 1990.
- R. K. Taxali. : Programming in FoxPro 2.5, BPB Publication.
- Manual of DBMS Package.