

SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

LESSON PLAN

CLASS : B.Com(C.A).

SEMESTER: 4th

SUBJECT : DBMS II

SESSION :2021-22

LECTURE NUMBER	TOPIC
1-20	UNIT-1 Data, Information, Data Processing, Database Terms, Database Technologies: Introduction, Internet Databases, WebTechnology, Web Databases, Digital Libraries, Mobile Databases, Data Independence Concepts, Physical Data Organization: Introduction, Physical Storage Media, RAID (Redundant Arrays of Independent Disk) Technology, Advantage and Disadvantage of RAID Technology. E.R Model: - Basics of E.R Model, Conversion of E.R. Model into Relations.
21-40	UNIT 2 Decision Support Systems (DSS): History of DSS, Characteristics of DSS, Benefits of DSS, Components of DSS, Operational Data versus DSS Data. Relationship: One-to-one, One-to-Many, Many-to-Many. Data Warehousing and Data Mining: Introduction, Main Components of Data Warehouses, Benefits and Limitations of Data Warehouse, Data Mining: Introduction, Data Mining Tools, Data Mining Application.
40-60	UNIT-3 Advanced Database Models, Database Security: Types of Database Failures, Types of Database Recovery, Types of Database Security issue, Authorization and Authentication, Audit Trails, Firewalls, Data Encryption and Data Decryption(Data Cryptography)
60-75	UNIT-4 Database Operation in Microsoft Access: Creating Table, Creating forms, creating a Simple Query and Modifying a Query, Types of Query, subqueries, retrieval and deletion Microsoft Power Point: Introduction, Tools, Menus , slides, Animation