

**Subject Code: 603**

**Subject Name: Management Information System**

**Unit I: Management Information Systems** **7 Hrs**

Need, Purpose and Objectives- Contemporary Approaches to MIS- Sources of information – Information as a strategic resource – Use of information for competitive advantage- MIS as an instrument for the organizational change

**Unit II: Information Management and Decision Making** **12 Hrs**

Models of Decision Making – Classical, Administrative and Herbert Simon’s Models  
Attributes of information and its relevance to Decision Making – Decision making Tools: Decision Tree, Decision Table, Payoff Matrix.

**Unit III: Information Technology** **8 Hrs**

Definition, IT Capabilities and their organizational impact- Telecommunication and Networks – Types and Topologies of Networks – IT enabled services such as Call Centers, Geographical Information Systems etc.

**Unit IV: Database Management Systems** **16 Hrs**

Introduction to RDBMS : Relation, records, composite key, primary key, foreign key - Normalization (1 NF, 2 NF, 3 NF) – Entity Relationship diagram (ERD) – Context Level Diagram – Levels of Data Flow diagram - Data Warehousing: Meaning, architecture, data structure in data warehouse - Data Mining: Meaning, Cyclical functioning of Data mining.

**Unit V: Management Issues in MIS** **09 Hrs**

Information Security and Control- Quality Assurance – Ethical and Social Dimensions \_ Intellectual Property Rights as related to IT Services/ IT Products – managing Global Information Systems.

**Unit VI:** Applications of MIS in functional areas as well as in the service sector should be covered with the help of minimum 5 case studies. **8 Hrs**

**Books Recommended**

1. Management Information Systems, Laudon and Laudon, 7<sup>th</sup> Edition – Pearson Education Asia
2. Management Information Systems, Jawadekar – Tata McGraw Hill
3. Management Information Systems, Davis and Olson - Tata McGraw Hill
4. Analysis and Design of Information Systems – Rajaraman, Prentice Hall
5. Decision Support Systems and Intelligent Systems, Turban and Aronson – Pearson Education Asia

6. Management Information systems, Schulthesis – Tata McGraw Hikk
7. Management Information Systems – Sadagopan, Prentice Hall
8. Management Information Systems – Jayant Oke