

## Management Information System

<u>Unit No.</u>	<u>Content</u>
<b>1</b>	<b>Concept definition of MIS</b>
1.1	Need to manage information system & Role of MIS as an independent function in an organization
1.2	Decision effectiveness & MIS
<b>2</b>	<b>MIS as a enabler for building internal control System</b>
2.1	Business <b>Enterprise</b> concept & role of information system as brick & mortar
2.2	Information value chain in an enterprise for profit maximization & effective use of resources.
<b>3</b>	<b>Information Technology Infrastructure</b>
3.1	Client Server architecture & implementation of Client- server architecture
3.2	Database concepts & Data models database design & RDBMS
<b>4</b>	<b>Communication Network</b>
4.1	Concept of enterprise network & its role in integration of information system
4.2	Basic components of network, Types of Data communication network & its application

- 5 Data storage & information security challenge**
  - 5.1 Need for data storage & concept of Disaster management Technology solution for data protection
  - 5.2 Information security: Risk Threat & vulnerability. Information Security levels in an enterprise .  
Types of information security measures
  
- 6. Managing information for creating Decision Support System (DSS)**
  - 6.1 Conceptual model of KDD
  - 6.2 Concept of data warehouse, creation & implementation of data warehouse
  - 6.3 Data mining for business intelligence
  
- 7 Enterprise Business Application & E business concept**
  - 7.1 BPR as a prerequisite for enterprise application system implementation
  - 7.2 ERP software for managing enterprise business.
  - 7.3 ERP implementation challenges & investment decision planning. Steps in implementation.
  
- 8 Managing information system for building knowledge enterprise**
  - 8.1 Managing Tacit & explicit knowledge  
Knowledge cycle (SECI Model)

8.2 Balance Score Card for Measuring Knowledge

**9** **Systems Analysis and Design -**  
9.1 Systems Development Life Cycle -  
Alternative System Building Approaches -  
Prototyping - Rapid Development Tools -  
CASE Tools – Object

**10** **Case studies**  
Applications of MIS in functional areas as well as in the service sector should be covered with the help of minimum 5 case studies.