

# Syllabus

## PAPER 6: MC.106

### MANAGEMENT INFORMATION SYSTEM

#### UNIT - I

MIS Definition-Characteristics -Evolution of MIS: Concepts; framework for understanding and designing MIS in an organization; MIS and other related disciplines: MIS and Management Accounting, MIS and Computer Science, MIS and OR, MIS and Organizational Behavior, MIS and Management. Concept of information: definition, features, types, process of generation and communication; quality of information; information overload; techniques for managing overload; summarizing; filtering; inferences and message routing. System concepts: definition, types and characteristics of system - control in systems: feedback: positive and negative; negative feedback control system, input, process and output control; law of requisite variety.

#### UNIT - II

Structure of MIS: Basic structural concepts: formal and informal information systems; public and private information systems; multiple approaches to the structure of MIS: Operational elements (physical components, process, outputs for users), activity subsystems, functional subsystems and decision support -synthesis of multiple approaches into a conceptual structure for MIS.

#### UNIT - III

Information systems: Transaction Processing Systems, Office Automation Systems, Information Reporting Systems, Decision Support Systems, Executive Support Systems, Expert systems.

#### UNIT - IV

Systems Development and Implementation: System development methodologies; SDLC approach; prototyping approach and user development approach-Systems Analysis; Systems Design; Concepts of database and database design; system implementation; management of information system projects; system documentation -information system audit. Security of information resources; threats to information resources; security systems for risk management. Enterprise Resource Planning Systems -Features -ERP Modules- implementation of ERP