

FC : 602 : Management Information Systems (Foundation Course)

Theory : Credit : 4 (100%)

Total Marks : 100

Unit	Topics Covered	Wt.
1.	Information System Analysis and Design : (a) Information System - Systems development life cycle, Structured Systems Analysis and Design, Physical and Logical Data Inflow Diagrams (b) Requirements Analysis, Design of New Systems. Data Modeling, Data dictionary, entity relationship diagram, structure charts, Transform and Transaction Analysis	(20%)
2.	Database management Systems : (a) File & Data Base Concept, Overview of DBMS, Data Models, Database Administrator, Database User, Schema, Data Independence (b) Relational Database Management System (RDBMS), some application of RDBMS using Oracle & SQL Server	(15%)
3.	Management Information System (MIS) and Information Economics (a) Management Information Systems: Definition, scope, planned and unplanned MIS, MIS information time scale, transaction processing (b) MIS and Levels of Management – operational level, tactical level, strategic level (c) Business Intelligence - Architecture Analysis (d) Processing Management Accounting Information (e) Quality of Information and Value of Information (f) Desirable properties of Management Accounting Information (g) Uncertainty and Management Accounting Information (h) Impact of Information Technology on Management Accounting (i) MIS in functional areas: Finance & Cost Management, Inventory, Marketing, HRM, Financial modeling	(35%)
4.	Enterprise Resource Planning (ERP) (a) FICO Module (b) Basics of other modules of ERP – Production Planning, Plant Maintenance, Quality Management, Materials Management, Sales and Distribution, HR, Logistics	(15%)
5.	Introduction to Cyber Law, e-commerce (a) Cyber laws (b) E-commerce and electronic financial transactions	(15%)

Reference Books:

- *A Profile of Information Technology, Computer Digest, H.R.Banerjee, Jaico*
- *Management Information Systems, Gordon B.Davis & Margrethe H.Olson, Tata McGraw Hill*
- *Managing with Information, Jerome Kanter, Prentice Hall of India*
- *Computer Information Technology, Y.P.Puri & Vipin Puri, Global Business*

- *Computer Fundamentals: Concepts, Systems and Applications, P. K. Sinha, B.P.B. Publications*
- *Fundamentals of Database Systems, Ramesh Elmarsi & Sh yamakant B. Navathe, Pearson Education*
- *Law of Information Technology (Cyber Law) with Information Technology (Certifying Authorities) Rules, 2000, D.P.Mittal, Taxmann*
- *Getting Results with Microsoft Office 97, Microsoft, Microsoft*
- *Information Systems & Technology, Dr. L. M. Prasad and Usha Prasad, Sultan Chand*