

**Major Paper VIII : E-Commerce and its applications.**

**Unit I**

Welcome to Electronic Commerce – Electronic Commerce – Type of Electronic Commerce solutions – electronic data interchange – Major Projects in electronic communication – Electronic payments – Applications.

**Unit II**

Electronic Communication – Data Communication – Forms of data communication – Data Transmission techniques – Types of communication channels – Methods of data transmission – Transmission modes – Introduction to FDM, TDM, ISDN and ATM – Definition for LAN, MAN and WAN – An introduction to Network topology – Private, Valued added, Public, Circuit switching and packet switching networks.

**Unit III**

TCP / IP and Network Security – Introduction – Architecture of TCP / IP – Applications of TCP / IP – Security.

**Unit IV**

Technologies of Electronic Commerce – Introduction – electronic Data Interchange – Uses – Evolution of EDI – Benefits of EDI – Understanding EDI Works – Introduction to EDIFACT. EDIFACT and software – The PEDI Protocol – EDI and X.400 – Business features of EDI – EDI administration – EDI security – Security mechanisms.

**Unit V**

Reengineering for Electronic Commerce – An Introduction to Enterprise Resource planning – Evolution and characteristics of ERP – Features of ERP – Components of ERP – ERP Vendors – Business Process Reengineering – The future of ERP system – Information technology plan for ERP system.

**Text Book :**

Doing Business on the Internet E-Commerce, by S.Jaiswal, first edition 2000, Galgotia Publications.

**Reference Books :**

1. Electronic Commerce, by Gary O.Schneider James T.Perry, First edition 2000, Thomson Learning.
2. Electronic Commerce by Elias M.Awad, Prentice Hall of India 2002.