

**Elective Paper - 14. Fundamentals of E-Commerce
(Theory Only).**

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 Communicatin 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, Value, 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 in Introduction to internet, intranet and extranet.

UNIT – IV

TECHNOLGIES 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:

1. Doing Business on the Internet E-COMMERCE, By S.Jaiswal, 1st Edition 2000. Galgotia Publications.

Reference Book:

1. Electronic Commerce, By Gray O.Schneider James T.Perry, 1st Edition 2000, Thomson Learning.