5BCA4 (A) - INFORMATION TECHNOLOGY TRENDS

UNIT-I

DISTRIBUTED SYSTEMS – Introduction, Distributing the processing and storage Function, Advantage and Disadvantage of Distributed System.

E-Supply Chain Management

Introduction, E-Supply-Chain components, E-Supply-Chain architecture, Major Trends in E-SCM, Some examples of using ESCM.

E-Customer Relationship Management (E-CRM)

Customer Relationship management concepts, How technology can help in this. E-CRM solutions, advantages, E-CRM capabilities, Data Mining & E-CRM, Some examples of using E-CRM.

UNIT-II

INTRODUCTION TO VIRTUAL REALITY – Introduction, Brief History of virtual reality, Present uses of virtual reality.

Artificial Intelligence and Expert system- Concepts of AI & Expert Systems, Building of Expert system, Merits and Demerits of Expert system, Application of Expert system and AI.

UNIT-III

DATAWAREHOUSE AND DATA MARTS – Introduction, Advantages of data warehouse, Datawarehouse components, Summarised data, Current details, System of records, Integration and transformation programs, Archieves, Metadata, Structure of a datawarehouse, Uses of a datawarehouse, Standards reports and queries, Queries against summarised data, Data mining, Interface with other warehouse

DATAMINING – Introduction, Evolution of data mining, Datamining –verification vs. discovery, Advantages of datamining, Technologies used in dataminnig

UNIT–IV

Mobile Commerce

Introduction, Growth, Success stories of Mobile commerce, Technologies for mobile commerce, WAP & its basics, WAP Programming model, other wireless technology, diffenent generations in wireless communications, GSM V/s CDMA security issues, M-Commerce in India.

GEOGRAPHIC INFORMATION SYSTEM (GIS) - Components of a GIS - Hardware, software, data, People, Methods, Working of GIS, Geographic references, Vector and Raster Models, Data for GIS, GIS and Related Technologies, Desktop Mapping, CAD, Remote sensing and GPS, DBMS

UNIT-V

Introduction and basic concepts of modern communication and telephony technology: CDMA, WLL, GSM, VOIP, Blue-tooth, Wi-Fi.

Text & Reference Books :

- *FUNDAMENTALS OF INFORMATION TECHNOLOGY* by Alex Leon & M. Leon, Vikas Publications, New Delhi.
- *Frontiers of Electronic Commerce*, By- Kalakota, Ravi ; Stone, Tom ; Whinston, Andrew B, Addison Wesley Publishing Co , ISBN 8178080575
- *E-Commerce An Indian Perspective (Second Edition)* – by P.T. Joseph, S.J. Prentice-Hall of India
- *Recent Magazines of Computers and Communication*