

FIRST YEAR B.SC. COMPUTER SCIENCE

PAPER	TITLE OF THE PAPER	MAX. MARKS
1211	Introduction to Information Technology	50
1212	Problem Solving Through C Language	50
1213	Digital Electronics	50
1241	Practical's	50

1211

Paper-I : Introduction to Information Technology

UNIT- I

Computer Basics : Introduction , Evolution of Computers, Generations of Computers ,Classification of Computers. The Computer system : Components of a Computer system ,Communication among various Units. Applications of computers.

UNIT- II

Computer Memory : Memory Hierarchy, Different Types of RAM & ROM.

System software : Introduction to system software, Distinction between systems software and Application software. Introductory ideas of loaders and linkers Computer language, Assemblers, Compilers and Interpreters.

UNIT- III

Operating systems : Evolution, introduction to OS , functions and facilities, single tasking and multitasking OS , single user and multi-user OS, characteristics of MS-DOS and Unix operating systems , DOS and UNIX commands for file and process management.

UNIT- IV

Text editors: overview of editing process

Graphical User Interfaces: Introduction to Windows, Word processing software packages and features, spread sheet packages and features, Working with Presentation packages.

UNIT- V

Computer Communications: Computer to computer communication through networking, Introduction to computer networks and networking software, Types of Networks, Internet and Intranet , Electronic mail. World Wide Web, URL ,Web browsers ,Search engine , Multimedia and Virtual reality. E-Commerce , Global Positioning System. Specifications of a typical desktop computer system, Recent Developments in ICT

Recommended books:

1. Satish Jain : Information Technology
2. Alexis Leon : Fundamentals Of Information Technology
3. V.Rajaraman : Fundamentals of Computers