

COURSE TITLE: APPLIED COMPUTER SCIENCES

STUDY HOURS: 40+40

MARKS

PAPER: 4

THEORY: 30

TERM: 1ST

PRACTICAL: 20

TIME: 1.30HRS

Note: This is an introduction to computer science. A brief description and definitions of terms will be taught to the students.

COURSE CONTENTS

1. An over view of Computer system. 1+1
2. The shapes of computer today-Super Computer, Main frame, mini computer, Works stations and PC, 1+1
3. Input methods-Key board, Mouse, 1+1
4. Alter native methods of input-hand devices, optical devices, Audio-visual input devices. 1+1
5. Monitors and sound system-Monitors-PC. Projectors, sound system. 1+1
6. Printer and brief introduction to its types. 1+1
7. Transforming data in to information representation, process, speed etc. 2+2
8. CPU-types with definition 1+1
9. Types of storage devices – Magnetic and optical. 1+1
10. Measuring drive information-access time, file compression, transfer rate, interface standard. 2+2
11. Basic of operating system-interface, programme, files, hardware and software management 2+2
12. Definitions of Unix, DOS, Macintosh operating system, Windows, OS / 2, Windows NT, 95,98, 2000, Linux. 3+3
13. Words processing and Desk tope publishing software. 2+2
14. Spread sheet software. 1+1
15. Presentation programme 1+1
16. Networking-Standard telephone lines, digital lines, Network in the home. 3+3
17. Internet basics 1+1
18. Accessing, connecting, working on Internet, introduction to DICOM, PACS. 3+3
19. Working with images. 2+2
20. Understanding multi-media. 3+3
21. Basics of information system- Use, Parts. 2+2
22. Programming languages and system development life cycle. 2+2
23. Brief of computer crimes, Viruses, Theft and computer environment 3+3

RECOMMENDED BOOKS:

Fundamental of I.T. concept by Nayaar Kanwal by CECOSE University
Teacher's Notes