

# AMPT04 COMPUTER APPLICATION IN PRINTING

## UNIT-1 PERSONAL COMPUTERS

- 1.1 Labeling standards- software applications, utilities, operating systems.
- 1.2 Linking hardware and software, device interfaces, BIOS, device drivers.

## UNIT-2 MOTHERBOARD COMPONENTS

- 2.1 Nomenclature, technology, Microprocessor – basics, Memory – RAM, ROM, DRAM, EDO, SDRAM (only usage and spec basis) BIOS.
- 2.2 BIOS compatibility, Expansion slots, parallel serial port power supply SMPS – specialization, Bus AT bus, PCI, ISA bus.

## UNIT-3 MASS STORAGE TECHNOLOGY

- 2.1 Data organization- cache operation, FDD, HDD, SCSI driver their storage capacity drives, Compact Disc.

## UNIT-4 DISPLAY DEVICES

- 3.1 CRT displays- display adapter CGA, VGA SVGA- Resolutions (application oriented discussion)

## UNIT-5 INPUT /OUTPUT DEVICES KEYBOARD

- 5.1 Mouse, scanners, printers, dot matrix, ink jet, laser, CCD Camera, Grabber Card.

## UNIT-6 INTRODUCTION TO DTP

- 6.1 Trends in printing technology, usage of computers in printing.
- 6.2 DTP printing technology Introduction to DTP software's, Use of Text tool Adobe, Photoshop Corel Draw.

## UNIT-7 STORY EDITING, FORMATTING

- 7.1 Working with graphics: using different graphic tools importing graphics working with colour, table editing.
- 7.2 Desk Top Publishing Hardware, Macintosh, Cost estimation of DTP. Electronic Image, BMP, TIFF, GIF file formats. Image compression

## References Books:

1. Hardware Bible: Winn IL Roch Techmedia.
2. Desk Top Typography : Qukarkx Press
3. Page Maker 6.0 : BPB Publication.