AMPT11 ELECTRONIC COMPOSITION

UNIT-1 ELEMENTS IN COPY PREPARATION

1.1 Preparing copy for press, Acquisition of Text- Automatic input, human input, keyboards, offline,online, optical character recognition, working principle, factors affecting performance,

1.2 Automaticvoice recognition, desktop scanners, pointing device, mouse, light pen, touch screen. Proofing, different proofs.

1.3 Proofing stages, proof correction marks, correction of type set matter.

1.4 Text transferring data - capture device, telecommunications, modems, ISDN.

1.5 Typesetting commands - code syntax, menu driven systems.

1.6 General rules of page make up.

1.7 Composition Software - Automatic Page Make up, Text and graphics Integration, Page display.

UNIT-2 TYPESETTING METHODS

2.1 Hot type composition, Cold Type, Photolettering, Photo composing -Introduction, Advantages,

2.2 Basic principle, image setter, film transport system in autologic information APS 3850, film transport system in DS Katana image setters.

2.3 Price, Laser type, Processing, environmental issues, other factors.

2.4 Small, Medium and Large format image setters.

2.5 Page description languages.

2.6 Post Script Language – Introduction.

2.7 PostScript Fundamentals-Structure of PS file, Post Script code, The user space, Encapsulated P.S., Images, Postscript colour processing, The printer driver,

2.8 P.S.errors, Post script limitations, Adobe acrobat..

UNIT-3 DESK TOP PUBLISHING

3.1 Introduction, Origin, components of DTP, applications of DTP. Benefits of DTP.

3.2 Developments. Output quality, output speed, output & color input, page make up.

3.3 IBM-PC and DTP. Software for DTP – word processing-heavy duty programmes, medium duty programes, light duty programmes.

3.4 Graphic programs. Illustration programs, Business Graphics, CAD design programs, Type manupulation software, OCR software, Image software.

3.5 Presentation graphics. Image editing commands-crop, marquee tools, cloning tool, cut & paste, image filters.

3.6 Page make up software – approach, typography, document & text handling, applications.

3.7 Standard program features – Adobe PageMaker, Ventura Publisher, Quark Xpress, Letraset Ready set G, Design studio, Frame maker.

3.8 Desk Top colour – spot colour v/s full colour. Hardware & software for colour.

3.9 Peripherals & add ons – front–end peripherals, graphics tablets, scanners for text, line art & images, video digisters, fax adaptors, music & sound digisters.

3.10 DTP as a typesetting front end – distributed desktop, DTP solution, systems from traditional suppliers.

3.11   Linking PC's, Mac and other computers – disk transfer file translation, transfer by cable or modem.

UNIT-4 DIGITAL FONTS

4.1 Tex, Meta font, True type fonts, Post Script Type 1, Bitmapped fonts, Adobe type manager,

4.2 The real source cheap type, multiple master, Quick draw GX, Transferring fonts,

4.3 Font manipulation software, Vector & Bitmap text and Graphic creation,

4.4 Raster Image Processing, Digital O/P, Creation of type for digital system, Future trends and developments.

Reference Books:

1. Desk Top Publishing 4th edition – Kirty wilson, Davis, Ron Strutt.
2. Typesetting-Composition-Geoff, Barlow
3. Word Processor to Printed Page - Micheal Card
4. Digital Typography-Donald E.Knuth