

CORE COURSE XI - PRINTING PROCESS

Unit 1

History and development of printing, process of graphic art production, Type & Typography, development and classification of types.

Unit 2

Typesetting – systems metal composition, phototypesetting, computerized Typesetting etc. Character placement and kinds of spacing.

Unit 3

Art and copy preparation – layouts, kinds of art works, mechanical, overlays etc. Colour reproduction, separation and duplication.

Unit 4

Printing Processes – letter Press, Lithography, Offset Printing, Gravure, Flexography, Screen Printing and Reprography methods.

Unit 5

Printing Paper and Ink – Production of Paper, kinds of paper, size, substance, bulk. Types of Inks, quality for various kinds of printing processes.

Books for study and reference:

1. Ales krejca, Print making Techniques, Octopus Books Ltd., 1982.
2. Compilation, A Guide to Young Printers, SIGA, Madras, 1981
3. Compilation, Typography, Watson Guptill Publication, New York, 1986
4. Amdams, J.M. Printing Technology (Fourth edition), Thomson Learning, 1996
5. Finley, Printing Paper and Inks, Thomson Learning, 1998.