

2.10 31530 IMAGE CARRIERS TECHNOLOGY

UNIT-1 INTRODUCTION:

- 1.1 Introduction to Image Carrier for different printing processes.
- 1.2 Details of Image Carrier for Flexo, gravure, offset,
- 1.3 Silk screen and digital process, its suitability and limitations.

UNIT-2 PHOTO ENGRAVING

- 2.1 Metallic and non-metallic image carrier for photoengraving.
- 2.2 Photo resists: Kinds, characteristics, requirements, dark and continuing reactions.
- 2.3 Photographic intermediates (Negative/ Positives): Kinds, characteristics, and requirements.

UNIT-3 ELECTROPLATING FOR GRAVURE

- 3.1 Cylinder Making Process

UNIT-4 OFF SET PLATE MAKING

- 4.1 Introduction to offset plate processes.
- 4.2 Materials for offset plates-merits, limitation and suitability.
- 4.3 Offset Platemaking,
- 4.4 Materials equipment and accessories.
- 4.5 Plate Grains, Graining and anodizing.
- 4.6 Introduction to various plate making process (surface, deep etch, wipe on, PS Plate, Paper Plate, etc.
- 4.7 Removal and addition work on plate.
- 4.8 Plate troubles and their remedies.

UNIT-5 INTRODUCTION TO CTP

- 5.1 Types of CTP and its working.

Reference books:

1. Gatehouse & roper, film assembly & plat making, gatf, USA.
2. Offset plat making, gatf, USA.
3. Mertle & others, photo mechanics & printing, vnr, USA.
4. Karch & Buber, graphic arts procedures, American technical society, Chicago, USA.