

SECOND ALLIED COURSE III – TEXTILE PRINTING

Unit I: Finishing

Objectives of finishing, classification of finishing, drying, calendering, sanforizing, raising and shearing, setting and heat setting, anti-crease, anti-pilling, anti-static, mildew proofing, softening, stiffening, de-lustering, flame proofing, soil-releasing finish, water proof and water repellency, starch and resin finishing. Brief explanation of all these techniques.

Unit II: Preparation for printing

Preparation of printing paste, Use of various ingredients and thickeners, preparation of cloth for printing, after treatment of printed goods - ageing, steaming, dunging, raising, fixing, curing, washing, clearing, soaping, drying, thermofixing, superheated steaming.

Unit III: Methods of printing

Printing and its significance, methods of printing-block printing, screen printing, semi-automatic screen printing, stencil printing, roller printing, flat bed screen printing, rotary screen printing, transfer printing.

Unit IV: Styles of printing

Direct Style, Discharge style, Resist style, Conversion Style, Dyed style, Madder style, Discharge cum resist style, Crimp (or) Crepon style, Batik style, Foam printing, Flock printing, Damask printing, Kalamkari printing, Bubble printing.

Unit V: Smart Textiles

Introduction, smart medical textiles, smart sports wear, wearable electronics and intelligent fashion accessories

Reference:

1. Technology of Textile Printing by R.S. Prayag, Sree J Printers, Pune
2. Textile fibres, dyes, finishes and processes by Howard L needles, Std Publishers, Delhi
3. Textile finish by R.S. Prayag, Sree J Printers, Pune