Textile Dyeing (Clothing-Dyeing)

Unit 1

• Impurities in raw cotton, wool, silk and bast fiber
• Elementary knowledge of textile chemical processing, definition and classification of dyes and dyeing
• Objects of different processes involved, e.g. singeing, desizing, scouring, bleaching and mercerization.

Unit 2

• Processing sequence of grey cotton fabric up to dyeing and printing.
• Application of Direct, Reactive, Vat, Sulphur and Azoic dyes on cellulosic fiber and pigment dyeing
• Introductory knowledge of machinery used in pretreatments of cotton fabric

Unit 3

• Classification of acid dyes, its application on wool and silk fiber.
• Selection of dyes for synthetic fiber and application on Nylon, Polyester and Acrylic.
• Different dyeing technique of polyester fiber.

Unit 4

• Different dyeing defects of fabric in jigger, winch and jet dyeing machine.
• Measurement of fastness properties, e.g. washing, rubbing, light and perspiration

Unit 5

• Definition of finishing and classification of various types of finishes.
• Important finishing treatments like Calendaring, Organdie, Sanforization, water repellency and anticrease finishes.

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Note: Pattern of Question Paper

1. Objective type paper
2. Maximum Marks: 75
3. Number of Questions: 150
4. Duration of Paper: Three Hours
5. All questions carry equal marks.
6. There will be Negative Marking.