

**RAJASTHAN PUBLIC SERVICE COMMISSION ,AJMER**  
**SYLLABUS FOR COMPETITIVE EXAMINATION FOR THE POST OF**  
**LECTURER IN CLOTHING –DYEING AND PRINTING FOR COLLEGE**  
**EDUCATION DEPARTMENT**  
**PAPER -I**

**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.