

# **RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**

## **SYLLABUS FOR COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT PROFESSOR IN TEXTILE– DYEING AND PRINTING FOR COLLEGE EDUCATION DEPARTMENT**

### **PAPER-II**

#### **Unit: 1-**

- Essential Ingredients used in printing paste and their functions.
- Classification of thickeners and its properties.
- After treatment of printed goods- Ageing, Curing, Reduction clearing.
- Thermo fixation, Carbonization.

#### **Unit: 2-**

- Styles of printing, direct, discharge and resist style of printing.
- Application of direct, azoic, reactive, vat, disperse, sulphur and acid dyes in printing on textile materials.

#### **Unit: 3-**

- Methods of printing such as block, stencil, screen, Roller, flat- bed and rotary, transfer printing.
- Photo chemical method of preparation of screen.
- Digital inkjet printing.

#### **Unit: 4-**

- Classification of technical textile: Smart textile, Medical, Agro, Geo, Automotive, Protective.
- Textile effluents; characteristics, parameters and their treatment process.

**Unit: 5-**

Indian traditional Woven, printed and dyed textile of India with reference to technique, colour, motifs: Ikat, Patola, Pchampalli, Bnadhani, Sanganeri and Bagru, Kalamkari, Ajrakh (Barmer print), Jamdani, Baluchar, Paithani Saree, Maheshwari saree, chanderi Saree, Banarasi Brocade.

**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. Medium of Competitive Exam : Bilingual in English & Hindi**
- 7. There will be Negative Marking.**