

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

**SYLLABUS FOR SCREENING TEST FOR THE POST OF
LECTURER IN HOME SCIENCE
(CLOTHING-TEXTILES)
FOR COLLEGE EDUCATION DEPARTMENT**

UNIT-I: Textile Fibres

1. Classification of textile fibres.
2. General properties of textile fibres.
3. Origin, manufacture and properties of natural fibres.
4. Manmade and synthetic fibres - Rayon, Polyester, Polyamide, Acrylic, Olefin, Elastomeric fibres & Metallic fibres.
5. Mixture and blended fabrics - Quantitative and Qualitative analysis of Blends and Pure fabrics.

UNIT-II: Yarn and Fabric Construction

1. Spinning - Mechanical and Chemical.
2. Classification of Yarns, Yarn count and twist.
3. Basic loom, parts and operations
4. Weaving - types of weaves.
5. Other fabric construction methods - knitting, braiding, felting, bonding and knotting.

UNIT-III: Clothing Construction Processes

1. Sewing equipments.
2. Fabric selection, preparation ,layout, calculation of materials for different garments.
3. Body measurement, proportion, garment designing according to figures.
4. Seams and Seam finishes, disposal of fullness, plackets, fasteners, yokes, necklines, collars and sleeves, trimmings, pockets.
5. Techniques in pattern making - Flat pattern, draping, drafting, application, principles and limitations, commercial paper pattern and grading.
6. Common fitting problems & their remedies.
7. Importance of computer application in clothing and textiles, CAD-CAM, system of textile design, colour mixing & matching..

UNIT-IV:: Finishing, Dyeing & Printing

1. Objectives of finishes.
2. Basic finishes. Texturising finishes and Functional finishes.
3. Classification of dyes. Chemical composition and application of dyes to different fibres and blends.
4. Requisites of printing, preparation of fabric, printing styles.
5. Chemicals used in textile processing and their effect on ecology.
6. Eco-friendly processing of textiles. Application of natural dyes & enzymes.

UNIT -V: Sociological and Psychological aspects of Clothing

1. Origins and theories of clothing
2. Role of clothing in personality development and self concept
3. Social impact of clothes-fashion, fads, role of uniforms, national costumes, occupational clothing etc.
4. Factors influencing choice of clothes-conformity, mobility, class distinction, symbolism, customs and values
5. Structural and decorative designs
6. Elements and principles of designs
7. Selection criteria for household linens and furnishings
8. Clothing budget and family wardrobe planning

UNIT-VI: Traditional Textiles and Embroideries, Historic Costumes

1. Traditional embroideries of different states of India
2. Traditional textiles of different states of India
3. Indian costumes -ancient to date
4. Regional costumes of India
5. Historical development of woven textiles-origin of weaving and spinning
6. Clothing care, storage and maintenance

UNIT -VII: Textiles Apparel Quality and Current Trends

1. Fabric construction analysis-weaves, ends, picks, count, weight, thickness, porosity, air-permeability, thermal conductivity and dimensional stability
2. Measurement of breaking, bursting and tearing strength of fabrics
3. Apparel fabric properties-crease recovery, stiffness, drapability, pilling and abrasion and colour fastness.
4. Determination of yarn count, twist, crimp and tensile strength
5. Currents trends in dyeing, printing, finishing and garment construction
6. Labelling and standardization

UNIT -VIII: Fashion, Consumer Economics and Merchandising of Textiles

1. Determining fashion trends, fashion cycle, fashion careers, fashion forecasting, history of fashion, fashion displays and fashion designers
2. History and importance of textile industry, problems of Indian textile industry, textile policy
3. Marketing of textiles, distribution channels, export trends, advertising and sales promotion
4. Brand standards, fashion shows and exhibitions
5. Problems of Indian consumers and their redressal

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Note :- Pattern of Question Paper

1. Objective type paper
2. Maximum Marks : 100
3. Number of Questions : 100
4. Duration of Paper : Two Hours
5. All questions carry equal marks.
6. There will be Negative Marking.