

ST. JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS) VISAKHAPATNAM

TIME: 4Hrs/week

ADVANCED TEXTILE DESIGN

Max. Marks: 100

Objectives:

- To impart knowledge about the importance of textile testing in terms of fibre, yarn and fabric properties.
- To study different types of dyes and their applicability to different fibres
- To develop knowledge about the traditional textiles of India.

Course:

Unit I: Introduction to textile testing and its Importance.

- Definition related to textile testing
- Standards of National Organisation
- Sampling

Unit II: Dyeing, printing and its application

- Dyeing with natural dyes:
 - Use of pigments, dyeing auxiliaries
 - Dyeing defects and remedies.
 - Advances in dyes and dyeing technology
- PRINTING –
 - Direct (screens, copper rollers, wood blocks)
 - Discharge (indigo dyes),
 - Resist printing (tie and dye, batik)

Unit III: Importance of textile industry in national economy - Textile organizations – Khadi, Handloom, Weaver's service center.

Unit IV: Contemporary Embroideries of India- Kashida of Kashmir and Bihar , Kantha of Bengal, Kasuti of Karnataka, Kutch of Kathiwari, Phulkari of Punjab, Chamba and Chikankari of Lucknow, Applique Work of Manipur, Quilting of Gujarat, Rajasthan, Bihar and Orissa.

Unit V: Special Finishes: Wrinkle resistant, wash and wear, durable press, water repellence, flame proofing, stain resistant, mildew proofing, anti static, anti bacterial finish and Anti pilling finish.

References:

1. Bali, Rakesh: buyers and their buying behaviour, clothesline 11 (10), oct. 1998, p. 28 – 30
2. Indian standards institute (1982): Handbook of Textile Testing
3. Grower and Hanby (1969): Handbook of Textile Testing and Quality Control
4. Chattopadhyay and Kamal Devi (1975): Handicrafts of India, New Delhi, Indian Council of Cultural Relations
5. John and Margaritcannow (1994), Dye plants and dyeing, The Herbert press (UK)
6. Shenai (1987), chemistry of dyes and principles of dyeing, sevak prakasham, Mumbai.

ST. JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM

TIME: 2 Hrs/week

ADVANCED TEXTILE DESIGN

Max. Marks: 50

PRACTICALS

Objectives:

- Create awareness of use of different techniques of colouring textiles.
- To impart skills in techniques of embellishing textiles.

Course:

Unit I:

- Simple dyeing of different fibres/ yarns using suitable dyes
- Collection of fabric samples showing different textile design techniques: printing, dyeing, weaving, fancy yarns, trimmings (sequins, beads etc)

Unit II:

- Making samples of traditional embroideries of shadow work, cut work, appliqué, kanthas, kasuti
- Collection of embroidery combinations (printing + embroidery)

Unit III: Dyeing and printing methods:

- Direct and Naphtol
- Different types of batik techniques and screen printing.

Unit IV : Designing by Sketches

- a. Sleeve b. Skirt c. Yoke d. Designing of an article

Unit V: Visit to dyeing unit

References:

1. Panditsavitri (1975); Indian embroidery and its variegated charm, Baroda, Faculty of Home Science
2. Bali, rakesh: buyers and their buying behaviour, clothesline 11 (10), oct. 1998, p. 28 – 30
3. Needle craft by Reader's digest
4. Cockett, B.R. (1964): Dyeing and printing, London, Sir Issac Pitman and sons Ltd.
5. Shenai, V.A (1973): Technology of Dyeing, Technology of Textile Processing, Vol.VI. Bombay sevak publications
