**SECOND YEAR**

**Semester-IV**

**HSc-402: Fabric Construction**

Theory: 4hrs/week

Practicals: 2hrs/week

**Objectives:**

To develop the knowledge and understanding about the Textiles

To understand the process of conversion of fiber in to fabric

**THEORY**

**Unit I: Fabric Construction**:

1. Weaving – Introduction, parts of a loom, essential weaving operations,.
2. Types of weaves – Basic-plain, basket, rib, twill, satin and sateen.
3. Thread count, selvage, grain, fabric balance.
4. Decorative weaves

**Unit II:** **Non-Woven fabrics** – Knitting: Felting, Braiding, Netting, Laces- crochet

.

**Unit III: Finishes:** Introduction, definition, classification.

**Mechanical finishes** – Beetling; Brushing and shearing: Calendaring, Sanforising, Crepe effect. Embossing, Moireing, Glazing; Napping: Smooth finish: Tentering.

**Unit IV: Chemical finishes**; Sizing and Dressing; Mercerizing:Bleaching,weighting Crease resistant, Crêpe effect. Flame proof.

**Special purpose finishes** – Water repellency: Water proof; Absorbent finishes, Moth proof, mildew proof, slip resistance; Antiseptic and anti static finishes.

**Unit V:Traditionsl Textiles of India-**History of art of weaving in India, Ducca Muslins, and sarees, Chandery Muslins, Baluchar Buttedar, Paithanis and Pithambers, Patola, Banaras Brocades, Himrus and Amrus, Bandhanis.

**PRACTICALS**

1. Preparation of fabric for garment construction- straightening- shrinking- pressing-
2. **Preparation of fabric for cutting**-importance of grain, steps in preparing the fabric for cutting, laying the pattern on fabric, cutting, marking and stay stitching
3. **Taking body measurements**
4. **Construction of Sleeves**: Basic (plain) sleeve

**4.Weaving:**

* 1. Plain weave
  2. Basket weave
  3. Rib weave
  4. Twill
  5. Satin and sateen weave
  6. Thread count

1. Field visit to textile mill.
2. Construction of a baby frock (5-6 years)

**Course Outcomes:**

Up on completion of this course students will be able to

* Identify different methods of fabric construction.
* Demonstrate knowledge about different weaves.
* Identify different finishes.
* Critically evaluate the functions of different finishes.

**SECOND YEAR**

**Semester-IV**

**HSc-403 Interior Decoration**

**THEORY** Theory: 4hrs/week

Practicals: 2hrs/week

|  |  |
| --- | --- |
| **Unit I:**  **Unit II:**  **Unit III:**  **Unit IV:**  **Unit V:** | * Interior Design Meaning and importance of interior design,objectives * Elements of Design-Line,Form,Shape,Texture,Value,Colour,Space, * Principles of Art- Harmony, Balance, Rhythm, Emphasis and Proportion * Colour- Prang colour chart, colour schemes , emotional effects of colours * Accessories –importance, classification types, use in interior decoration * Flower arrangement- traditional, modern, Japanese- Ikbana- Miniature and Deminiature, Aids and accessories in Flower arrangement * Furniture : types, selection arrangement * Table setting: requisites, western and Indian styles * Furnishings-Classification, Factors in selection, fabric selection |

**PRACTICALS**

Interior Design- A) Elements of Design, B) Types of Design- Natural, Decorative conventional, Geometric abstract drawing/ painting/ clipping using magazines.

1. Application of principles of art in different rooms- a) Harmony b) Balance c) Rhythm, d) Emphasis and e) Proportion, Drawing/ painting/ clipping from magazine
2. Colour- value chart, prang colour chart, six standard colours, application of colour harmonies in different rooms of the house.
3. Different types of flowers arrangement
4. Table setting- Indian and western styles
5. North Indian and south Indian meal laying
6. Buffet arrangement

**Course Outcomes:**

* Gains knowledge on application of art elements in Interior decoration
* Equipped with skills in table setting, accessories designing and furnishings selection
* Acquires skills in making flower arrangements and required accessories