

# **APPAREL DESIGN AND CONSTRUCTION**

**Paper No HSCT (104)**

**ES-1**

**Credits – 3+1=4**

**SEM – I (M.Sc. C.T.)**

**Marks : 100 + 30 = 130**

## **Objective**

1. To impart an in-depth knowledge of style reading, pattern marking and garment construction techniques.
2. To develop and understand the principles of pattern making through flat pattern and draping.

## **Unit – 1 Detailed study of industrial machines and equipment used for**

- Cutting
- Sewing
- Finishing
- Embellishment

**Study the interrelationship of needles, thread, stitch length and fabric**

## **Unit – 2 Methods of pattern making**

- Drafting
- Flat pattern
- Draping

## **Unit – 3 Developing paper pattern**

- Understanding the commercial paper pattern
- Layouts of different fabrics, widths and types

## **Unit – 4 Buying criteria for**

- Knits, silks, denim and other special fabrics
- Readymade garments

## **Practicals**

1. Designing through flat pattern – Dart manipulation
2. Development of variation in sleeves
  - Sleeves and bodice combinations
3. Development of variations in collars
  - Roll over collar
  - Collar with bodice (shawl)
4. Necklines and facings
  - Scooped necklines
  - Built-up necklines
  - Cowl necklines
5. Plackets
  - Center button closing
  - Asymmetrical closing
  - Double breasted
6. Development of paper pattern and construction of garments  
(using check, stripes, unidirectional and novelty fabrics)
7. Designing through draping
  - Basic draping principles and techniques
  - Developing a pattern
8. Fashion Sketching
9. Term Garments – 2

## **References**

1. Armstrong, Pattern Making For Fashion Design.
2. Gioello and Berke: Figure Type And Size Range, Fairchild Publications, New York.
3. Grate and Strom: Concepts In Clothing, McGraw Hill Book Co. New York.
4. Bina Abling, Fashion Sketch Book, Fairchild Publications, New York.

5. Claire Shaeffers: Fabric Sewing Guide, Chilton Book Company, Radnot Pennsylvania.
6. Harold Carr and Barbara Lathan: The Technology Of Clothing Manufacture, Oxford BSP Professional Book London.
7. Slampler, Sharp & Donnell: Evaluating Apparel, Quality – Fairchind Publications, New York.
8. Natalie Bray: Dress Fitting Published By Blackwell Science L td.
9. Margohs Design your Own Dress Pattern Published By Double Day And Co. Inc., New York.