

T.Y.B.A. (Home-Science) - Semester-V
Advance clothing and textiles-Theory (Core Compulsory-CC-312)

Objectives:-

- To acquaint students with knowledge of different fibers.
- To equip students with knowledge of different weaves of fabric.
- To enrich students with knowledge of finishes applied of fabric.
- To feed students with knowledge of colours and designs in clothing.
- To teach students yarn construction and its types which are used in fabric.

Unit-1

- Terminology of Textiles.
 - Fibre , Filament, staple, yarn, Warp, Weft, Spining.
 - Thread , Twist, Selvedge, Grainline, Trade mark, Trade name.
- Consumer problems in textile and its solutions.
- Properties of textile fibres.

Unit-2

- Classification of fibres and properties of natural fibres.
- Yarn construction from
 - Fibres
 - Filament
 - Staple
- Different stages of yarn construction .
- Types of Yarns.
 - Simple
 - Complex

Unit-3

- Weaving Units.
 - Types of looms.
 - Types of loom's parts.
 - Structure and functions of looms.
- Types of waves.
 - Simple waves.
 - Fancy waves.

Unit-4

- Textile finishes and its importance in textile Industry
 - Aims and Types of finishes.
 - Mechanical and chemical finishes.
- Importance of colour in clothes.
 - Principle and types of colour.
 - Colour contrasts and colour schemes.
- Elements of design in clothes.
 - Principles of design.
 - Elements of design.

References:-

1. Fundamentals of Textile - S.Dantysi
2. Text book of clothing and textile - Sushma Gupta, Neru Garg, Rehu Sachi.
3. વસ્ત્ર વિજ્ઞાન એવં પરિધાન – ડૉ. વુન્દાસિંહ
4. વસ્ત્ર વિજ્ઞાન એવં પરિધાન – નિરજા યાદવ
5. વસ્ત્ર વિજ્ઞાન એવં પરિધાન – બેલા ભાર્ગવ
6. બેજીક કલોર્ધીંગ એન્ડ ટેક્સટાઈલ – ભાનુ પટેલ, અમિતા પટેલ