

**Fabric Structure & Designing**

**Unit – I**

Weaving – Definition – Types – Elements of Woven Design, Methods of fabric representation Weave repeat unit. Draft & lifting plan construction for Elementary Weaves – Plain, Warp rib, Weft rib, twill, Modification of Twills, Satin & Sateen Weaves, their derivatives.

**Unit – II**

Ordinary & Brighton Honey Comb, its modifications, Huck a back & its Modifications, Crepe weave, Mock leno.

**Unit – III**

Extra warp & Extra weft figuring - single & two colours, backed fabrics. Warp & weft Backed fabrics.

**Unit – IV**

Pile fabrics – Basic structure, twill back & sateen back, Weft plush length density and fastness of pile, Terry pile – 3 pile, 4 pile, 5 pile and 6 pile.

Double cloth – Classification, self stitched – face to back, back to face, stitched double cloth.

**Unit – V**

Knitting – Types (Warp, Weft) and Classification Weft knitting structure – Plain, Jersey, Rib, Interlock, etc.

Warp knitting structures – Tricot, Raschel, Crochet, etc.

**Reference Books:**

1. Watson's, "Textile Design & Colour", Grosichkli, Newness Butter, Worths, London 1980.
2. Spencer D.J. "Knitting Technology", Perganion Dress, Oxford 1982.