

**CORE COURSE – XIII (CC)  
KNITTED CLOTHING TECHNOLOGY.**

**UNIT 1**

Introduction to knitted fabrics. Difference between knits and wovens, Indian knitting industry – past, present and future.

**UNIT 2**

Hand knitting, terms used in knitting, weft knitting & warp knitting – introduction and comparison. Parts and functions of weft knitting and warp knitting – calculations used in knitting

**UNIT 3**

Wefts knit structures – single jersey or plain – rib – purl – interlock – Knit-float- tuck and stitch structures – designing of weft structures. Warp Knit Fabrics –warp knit structures – underlap – overlap – closed lap and open lap stitches.

**UNIT 4**

Latest Knitting machines, weft –knitting machines- warp knitting machines – Knitted fabric defects.

**UNIT 5**

Knitted garment manufacture: Cutting – stitching – quality control of knitted garments- knit wear garment designs and developments.

**References:**

David J Spencer, Knitting Technology, Pergeman press UK  
Terry Brackenbury, Knitted Clothing Technology, Blackwell Science Publications.  
Samuel Raz, Flat Knitting Technology, Germany.  
Smirfitt, An Introduction to Weft Knitting, Merrow Publications.  
Cegielka L, The knitting Industry: Present needs, future requirements, Vol 19, No. 1, The Textile Institute 1988.