

## **Knitting**

### **Unit – I**

Knitting – Definition, Classification and History – Types of Knitting – Hand and Machine, Characteristics of Knitted goods.

### **Unit – II**

General terms and principles of knitting Technology, Machine knitting, Parts of machine, knitted loop structure, Stitch Density.

### **Unit – III**

Weft Knitting – Classification – Circular rib knitting machine, Purl, Interlock, Jacquard – Single Jersey machine – Basic knitting elements – Types and functions – Knitting cycle, cam system, - 3 way technique to develop design – knit, tuck, miss – effect of stitches on fabric properties.

### **Unit – IV**

Warp knitting – lapping variations – Tricot, raschel, simples and milanese – kitten raschel – Single bar, 2 bar, Multi bar machines, Types of threading, Production of Nets, Curtains, Heavy fabrics, Elasticized fabrics.

### **Unit – V**

Care and Maintenance of knitted material.

### **Reference Books :**

1. David Speener, “Knitting Technology” Pergamen Press, Oxford 1982.
2. D.B. Ajgonkar, “Principles of knitting”, Universal Publishing corporation, 1998.
3. Wilkens, C, “Warp Knit Machine Elements”, U Wilkens 1997.