

PFT6I102 GARMENT PROCESSING & FINISHING (3-0-1)

Module-I(14 hours)

Introduction to wet processing, sequence of wet processing operations for cotton, silk and Wool. Brief discussion on Equipments and machineries used for wet processing. Preparatory processes: Cotton yarn and fabrics-Different methods and process parameters used for singeing, Desizing, scouring, bleaching and mercerization.

Dyeing- Introduction, classification, Methods of dyeing: stock, yarn, piece and union, application of direct, basic, acid, vat, reactive and disperse dyes for cotton, silk and wool yarn and polyester fabrics.

Module-II(14 hours)

Printing methods - Block, screen, Transfer and Digital printing, Styles of printing- Direct, resist, discharge and transfer, after treatments for dyed and printed goods ,washing, steaming and drying. Finishes- definition, types- Temporary and permanent Finishes, Basic/routine—Tentering, Decatising, sanforising, calendaring, Functional/ special-waterproof and water repellent, Wrinkle free, antimicrobial, Flame retardant and other special finishes.

Module-III(12 hours)

Garment processing and finishing: Importance of garment dyeing and finishing, Special finishes used for denims. Care of fabrics – Principles of laundering, stain removal, various solvents used and different methods of washing, soaps and detergents used during washing.

References

1. Hall A J _The standard Hand Book of Textiles' Woodhead Publication, 2004
2. Janice gunner _Shibori for textile Artist' Batsford London, 2006
3. Kate Broughton textiles Dyeing , Rockport publishers, 1996
4. Murphy, W.S _ Textile Finishing' Abhishek Publication, 2000
5. Rosi Robinson _Creative Batik' Search Press,2004
6. Smith J E _Textile Processing' – Printing ,Dyeing, Abhishek Publishing,2003