

# SARDAR PATEL UNIVERSITY

Programme: B.Sc (Home Science)

Semester: VI

(Textile & Clothing)

Syllabus with effect from: November/December-2013

## Objectives:

- To gain knowledge about history & development of weaving.
- To acquire knowledge of loom and function.

<b>Paper Code:UH06CTCL05</b>	<b>Total Credit: 3</b>
<b>Title Of Paper: Fabric Manufacture</b>	

Unit	Description in detail	Weighting (%)
I	<b>Yarn Manufacture</b> Preparatory process <b>Spinning</b> Staple yarns Filament yarns –Wet, dry, melt Bi-component yarns	15%
II	<b>Classification of yarns</b> Through size staple & filament Through twist – S & Z Through Appearance & no. of parts Simple & Novelty	15%
III	<b>Weaves:</b> Classification Basic weaves Decorative Weaves –crepe / mommie, leno, dobby, jacquard Extra yarn, lappet, Double cloth weave, pile	25%
IV	<b>Loom:</b> Classification of loom- i)handloom ii) power loom Simple loom & its parts	15%
V	Nonwovens- techniques of production of nonwoven	10%
VI	<b>Knits –types of knits technique &amp; uses.</b> Warp knit Weft Knit Pile Knit Jacquard knit	20%

## Basic Text & Reference Books

- Textiles, N. Hollen & J. Saddler; Macmillan Company; London 1968
- Fibres & yarns; M. Rastogi; Sonali Publications, New Delhi, 2009
- Textile weaving & design, W.S. Murthy; Abhishek Publication, Chandigarh;2007
- Introduction to Textiles; M.Lowan &. Jungerman; D.B. Taraporwala Sons & Company Pvt. Ltd; 1980
- Grammar of Textiles Design; H.Nisbet; D.B. Taraporwala Sons & Company Pvt. Ltd; 1978
- Structural fabric design; J.W. Klibbe; North Carolina State University Print Shop; 1965
- Encyclopedia of textiles, Fibres & nonwoven fabrics; John Wiley & Sons; Inc, 1984
- Knitting Technology; D.B. Ajgaonkar; Universal Publishing Corp. Bombay;1998
- Techno Textiles; S. Braddock & M.O Mahony; Thames & Hudson Ltd,1997

