SARDAR PATEL UNIVERSITY
Programme: B.Sc (Home Science)
Semester: VI
(Textile & Clothing)
Syllabus with effect from: November/December-2013

Objectives:

- To acquire knowledge about various natural, synthetic & regenerated fibers in detail.
- To make students aware about eco-friendly textiles.
- To enable students understanding the textile finishes and their performance.
- To impart knowledge on use of fibres as technical textiles in agriculture, medical geographical, industrial and packaging field's

Paper Code:UH06CTCL03	**Total Credit: 3**
Title Of Paper: Advance Textiles & Finishes	

Unit	Description in detail	Weighting (%)
I	Physical, Chemical & Biological properties of Natural Fibres : Cotton, Wool, Jute, Linen Synthetic Fibres: Polyester, Polyamide, Acrylic ➢ Regenerated Fibres: Rayon, Model, Lycra and Lyocell ➢ Elastometric Fibres. Latest fibres used for garment manufacture	30%
II	Technical textiles –Indutech, medtech, agrotech, geotech, Home tech, Pactech -Characteristic, Fibres used & application Nonwovens- meaning, fibres used, properties, application	15%
III	Minor fibres(Eco friendly) Textiles – meaning & advantages, processing & production at different levels	15%
IV	Textile finishes- Introduction, importance and classification	10%
V	General / routine finishes – Calendaring, Bleaching & Scouring, Sanforizing, Mercerizing, degumming	10%
VI	Special/ functional finishes- Crease resistance, permanent & durable press Fire retardant, moth proof, soil & stain resistance, water proof.	20%

Basic Text & Reference Books

- Cobman B.P.(1983) Textile Fibers & Fabrics; Mc graw Hill Pub. New York.
- Korth H.(1977) Textiles Work Ltd , London.
- Murphy W.S. (2000) A Textiles Finishing, Abhishek Pub. Chandigarh.
- Mishra S.P. (2000) A Text book of fiber Science & Technology, New age International Pub. New Delhi.
- Nakamar A (1996) Fiber Science And Technology, Oxford & IBH Pub. Bombay.
- Nalankilli & Taya P (1997) Textile Finishing, SSM Institute. Tamil Nadu.