

SARDAR PATEL UNIVERSITY
Programme: M.Sc (Home Science)
Subject: Textiles & Clothing
Semester: III
Syllabus with Effect from: June - 2013

Paper Code: PH03CTCL01	Total Credit: 4
Title Of Paper: Textile Dyeing & Finishing	

Unit	Description in detail	Weightage (%)
I	Color in general, classification of dyes, absorption of colour Theories of dyeing Chemical structure of dye	
II	Electromagnetic radiation, electromagnetic spectrum and its use in physical/organic chemistry, source of natural and artificial light, spectrophotometer curves and their relationship to perceived color. Instruments for measuring of colour, principles of spectrophotometer, colorimeter. Dyes and dyeing method used on natural and synthetic fibers	
III	Introduction and importance of finishes. Classification: Mechanical & chemical; aesthetic & functional; temporary & durable.	
IV	Fabric finishing: Calendering, mercerization, sanforization, Wash & wear, flame-proof, water proof, durable press, anti-felt, moth-proof, mildew proof, anti-crease etc.	
V	Latest development in dyeing and finishing of textiles.	

