

VEER NARMAD SOUTH GUJARAT UNIVERSITY

B. E. III (TEXTILE PROCESSING) Semester - V

TP - 502, ANALYTICAL TEXTILE CHEMISTRY - I

Teaching Scheme (No. Of Contact hr.)			Theory Exam		Practical/Quiz/Viva Exam		Grand Total
			Duration (hr.)	Marks	Sem. End Exam	Cont. Int. Evaluation	
Theory	Tut.	Pract.					
3	1	3	3	100	30	20	150

Theory

1. Analysis of Coal, Thermic Fluid and Furnace Oil.
2. Analysis of Antistatic Oils & Lubricating Oils.
3. Analysis of Water : Raw Water
: Softened Water
: Effluents
4. Air Pollution & Analysis.
5. Analysis of Oils, Fats, Waxes, Sulphonated Oils and soaps.
6. Analysis of Detergents & Wetting Agents.
7. Identification and Analysis of various textile fibres and blends.
8. Analysis of Sizing Agents.
9. Analysis of Size % add-on and resident size content for Cotton as well as Synthetic Textiles.
10. Identification of stains and their removal.
11. Instrumental methods used in textile analysis such as Chromatography, Ion-exchange, Electrophoresis, pH meter, Viscometry, Potentiometric titration, Various Spectro Photometer etc.

Practical

This shall be based on prescribed syllabi.

Term work

This shall consist of records of practical work done during practical & recorded in the journal

References :-

01.	Evaluation Of Textile Chemicals	SHENAI V. A.
02.	Process House Laboratory - A Hand Book	LUTHRA
03.	Treatment Of Textile Processing Effluents Including Analysis	Manivasakam