

# VEER NARMAD SOUTH GUJARAT UNIVERSITY

## B. E. III (TEXTILE PROCESSING) Semester - VI

### TP - 603, ANALYTICAL TEXTILE CHEMISTRY - II

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 Desizing agents, Scouring agents and Bleaching agents.
2. Analysis of chemicals such as Acids, Alkalis, Oxidising agents, Reducing agents and their effects on various fibres.
3. Test methods for absorbency, Whiteness and Whiteness retention
4. Test methods for Copper number, Cuprammonium fluidity, Barium Activity number, Luster number.
5. Analysis of Dyeing Assistants, Printing gums and other Auxiliaries.
6. Identification & Analysis of various finishing agents.
7. Analysis of finished material for % add on, Nitrogen and Phosphorous content, Formaldehyde content, Chlorine retention, Soil release, Soil redeposition, Water proofing, Flame Retardancy, etc.
8. Evaluation of different fastness properties.

#### 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