

# GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. SEMESTER: VI

Textile Production

Subject Name: **Analytical Textile Chemistry-II**

Subject Code: **162802**

Teaching Scheme				Evaluation Scheme		
Theory	Tutorial	Practical	Total	University Exam (Theory) (E)	Mid Sem Exam (Theory) (M)	Practical (I)
3	0	3	6	70	30	50

Sr. No	Course Content	Total Hrs.
1.	Analysis of sizing chemicals.	03
2.	Analysis of Desizing agents, scouring agents and bleaching agents.	04
3.	Analysis of chemicals such as Acids, Alkalis, Oxidizing agents, Reducing agents and their effects on various fibres.	07
4.	Analysis of surfactants: Qualitative and quantitative.	04
5.	Analysis of auxiliaries such as detergents, wetting agents, leveling agents, dispersing agents, softeners, printing auxiliaries, defoamer etc.	07
6.	Analysis of printing thickeners.	04
7.	Identification & Analysis of various finishing agents such as stiffeners, softeners, cross linking agents, flame retarding agents, water repellants etc.	07
8.	Purification methods of different dyes.	01
9.	<b>Analysis of dyes:</b> Qualitative and quantitative.	05

## Practical:

This shall be based on prescribed syllabi.

## Text Book:

1. Evaluation of Textile Chemicals - Shenai V. A.

### Reference Books:

1.	Process House Laboratory - A Hand Book	Luthra
2.	Treatment of Textile Processing Effluents Including Analysis	Manivasakam
3.	Profiles in analysis of chemicals	N.F.Desai