

# VEER NARMAD SOUTH GUJARAT UNIVERSITY

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

### TP - 504, CHEMISTRY OF SURFACE ACTIVE AGENT

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.					
4	1	-	3	100	-	-	100

#### Theory

1. Theory of Surface Activity -Classification of surface active agents,Role of surface chemistry in surface active agents, HLB number electrical phenomena at interface solid-liquid, liquid-liquid etc.
2. Chemistry in properties of surface active agents (anionic, cationic and non-ionic)
3. Utilisation of surface active agents in various textile processes.
4. Evaluation of surface active agents in various processes.
5. Biodegradability of different surface active agents.
6. Merits and demerits of non-ionic surface active agents.

#### References :-

01.	Handbook Of Surfactants	Porter
02.	Chemistry Of Organic Textile Chemicals	SHENAI V. A.
03.	Emulsion & Emulsion Stability	Sjoblom
04.	Chemistry Of Textile Auxiliaries	SHENAI V. A.
05.	Chemistry Of Textile Auxiliaries	Trivedi S. S.