

GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. SEMESTER: V
TEXTILE PRODUCTION

Subject Name: **Production & Applications of Colorants & Auxiliaries**
(Institute Elective –II)

Subject Code: **152805**

Teaching Scheme				Evaluation Scheme		
Theory	Tutorial	Practical	Total	University Exam (Theory) (E)	Mid Sem Exam (Theory) (M)	Practical (I)
4	0	2	6	70	30	50

Sr. No.	Course content
1.	Production & Application of Colorants: <ul style="list-style-type: none">• Colour : Definition, Colour terminology, Theories of Colour.• Classification of dyes.• Various unit operations in the manufacture of intermediates & dyes.
2.	Production & Application of Auxiliaries: <ul style="list-style-type: none">• Chemistry & applications of various auxiliaries used in unit operations of textile processing Viz. Scouring, Bleaching, Dyeing, Printing, Finishing etc.

Practical:

This shall be based on prescribed syllabus.

Reference Books:

1. Chemistry of dyes & principles of dyeing, Shenai, V. A.
2. Synthetic dyes, G. R. Chatwal.
3. Chemistry of Organic Textile Chemicals, Shenai, V. A.
4. Textile Auxiliaries & Finishing Chemicals, A. A. Vaidya.