

GUJARAT TECHNOLOGICAL UNIVERSITY

TEXTILE PRODUCTION

B. E. SEMESTER: VII

Subject Name: **Garment Processing**

Subject Code: **172804**

Teaching Scheme				Evaluation Scheme			
Theory	Tutorial	Practical	Total	University Exam (E)		Mid Sem Exam (Theory) (M)	Practical (Internal)
				Theory	Practical		
2	0	2	4	70	30	30	20

Sr. No	Course Content	Total Hrs.
1.	Introduction To Garment Processing: Basic Need For Setting Up Of Garment Processing, General Principles Of Garment Manufacturing Technology. What Is Garment Processing?	02
2.	Raw Materials And Accessories Used For Manufacturing Garments	03
3.	Pretreatments For Garments: Scouring, Bleaching, Mercerization, And Machineries Required For These Processes.	03
4.	Dyeing Of Garments: Type Of Fabric, Dyestuff Selection, Dyeing With Direct Dyes, Dyeing With Reactive Dyes, Dyeing With Sulphur Dyes, Dyeing With Vat Dyes, Dyeing With Azoic Pigments, Dyeing With Pigments.	03
5.	Printing Of Garments	02
6.	Finishing Of Denims, Knitted Garments, Hosiery Goods And Ready-Made Garments: Chemical Finishes, Mechanical Finishes, Denim Washing	03
7.	Different Machineries For Garment Processing	02
8.	Difficulties And Rectifications In Garment Processing.	02
9.	Advantages And Limitations Of Garment Processing.	02

Practical:

This shall be based on prescribed syllabi.

Text Books:

Sr. No.	Title	Author
1.	New wave in Garment Exports: Garment Processing (ATIRA)	Mittal R. M.

Reference Books:

Sr. No.	Title	Author
1.	Processing of cotton knitted fabrics (NITRA)	Chakraborty M.
2.	AATCC Garment wet processing Technical Manual	AATCC
3.	Chemical Finishing (GAPS) (NITRA)	Dr. J. V. Rao
4.	Mechanical Finishing (GAPS) (NITRA)	Dr. J. V. Rao
5.	Denim Washing (Tablets) (NITRA)	Dr. J. V. Rao