

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E Semester: 4 Textile Production

Subject Code 142804
Subject Name Scouring and Bleaching - II

Sr.No	Course contents
1.	Scouring and Bleaching of regenerated Cellulose, Protein Fibres, Keratin Fibres, Man- made fibres and Blends.
2.	Weight reduction and properties by it to Polyester machine involved for the same.
3.	History and development of Mercerisation.
4.	Important parameters for Mercerisation.
5.	Changes in physical & chemical properties by mercerisation in Cotton.
6.	Preparation of yarn for mercerisation, yarn mercerisation, fabric mercerisation, stages in mercerisation.
7.	Chain pad and Chainless padless and Batch mercerisation.
8.	Measurement of the efficiency of mercerisation.
9.	Caustic recovery and recovery plant.
10.	Mercerisation of blended fabrics - Cotton/Viscose, Polyester/Cotton and Cotton/Polysenolic
11.	Causticisation/Semi-mercerisation, Similar, Hot mercerisation&liquid Ammonia treatment.
12.	Parchmentisation and Carbonisation.
13.	Recent developments in mercerisation machinery.

Reference Books:

1. An Introduction To Textile Bleaching - Marsh J. T.
2. Technology Of Bleaching - Shenai V. A.
3. Textile Scouring and Bleaching - Trotman E. R.
4. Textile Chemistry Vol. II - Peters R. H.
5. Mercerisation - Marsh J. T.