

VEER NARMAD SOUTH GUJARAT UNIVERSITY

B.E. IV (TEXTILE TECHNOLOGY) Semester -VII

TT - 704 TEXTILE TESTING -II

Teaching Scheme : (No. Of Contact Hrs.)			Theory Exams		Prac./Quiz/Viva/Exam		Grand Total
Theory	Tut.	Pract.	Duration (Hrs)	Marks	Sem. End Exam.	Cont.Int. Evaluation	
3	-	4	3	100	60	40	200

Theory:

1. Testing of tensile properties of fibres, yarns and fabrics.
2. Fabric thickness, compressibility , resilience, rigidity, drape and other properties associated with the fabric handle.
3. Cloth tear tests and test for bursting strength and resistance to water .
4. Measurement of yarn and sliver irregularity. Tests for air permeability and thermal transmission. Water repellancy tests. Quantitative analysis of fibre mixtures.
5. Application of statistical method to the control of quality in a textile product.

Practicals :

This shall be based on the prescribed syllabi.

Term Work :

This shall consists of record of practical work done during practicals and recorded in the journals.

References:

- (1) Booth J.E. :Principles of Textile Testing , 3rd Edition, Butterworth, 1986
- (2) P. Angappan & Gopalkrishnan : Textile Testing, S.S.M.I.T.T. Students Co-Op.Stores Ltd.,Tamilnadu,1993
- (3) E.B.Grover & D.S.Hamby : Hand book of Textile Testing & Quality Control,M.S.Sejwal Publ.,New Delhi,1988

TEXTILE TESTING - II

LIST OF PRACTICALS

1. Measurement of Single Yarn Strength. (U.T.M.)
2. Measurement of Lea Strength of Yarn. (Lea Strength Tester)
3. Measurement of Yarn Density in Fabric. (Densimeter)
4. Measurement of Fabric Thickness. (Thickness Gauge)
5. Measurement of Fabric G.S.M. (Quadrant Balance)
6. Measurement of Fabric Stiffness. (Stiffness Tester)
7. Measurement of Fabric Drape. (Drape Meter)
8. Measurement of Fabric Crease Recovery. (Crease Recovery Tester)
9. Measurement of Fabric Abrasion Resistance. (Abrasion Tester)
10. Measurement of Pilling. (Pilling Tester)
11. Measurement of Pilling. (Abrasion Tester)
12. Measurement of Tearing Strength. (Tearing Strength Tester)
13. Measurement of Tensile Strength of Fabric. (U.T.M.)