

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Textile Designing

Semester: 3

Subject Code 335904

Subject Name TEXTILE PROCESS II

THEORY:

1. Grey inspection of fabric, different types of stains and their removal.
2. Object of scouring process of various fibre-fabrics
3. Bleaching and classification of bleaching agents, bleaching process in short, for various fibre-fabrics
4. Optical whitening of various fibre-fabrics
5. Terms: Colour, Dyes. Pigments and dyeing.
6. Classification of dyes according to dyeing properties. Theory of dyeing in general.
7. Dyeing procedure for cellulose fibre-fabrics with direct, basic azoic, vat, solubilised vat, sulphur, reactive and pigment in brief.
8. Dyeing of acetate rayon with disperse dyes
9. Dyeing of nylon with acid and premetallised acid dyes.
10. Dyeing of wool and silk fibre-fabrics.
11. Dyeing of polyester with disperse dyes
12. Dyeing of cationic dye able polyester
13. Dyeing of acrylic fibre-fabrics
14. Solid shade dyeing and Cross dyeing effect

Practical:

1. Scouring of cotton, viscose, nylon, acetate polyester, acrylic, wool, silk fibre fabrics.
2. Bleaching of all fibre fabrics
3. Optical whitening of all fibre fabrics
4. Dyeing of cellulosic with direct, reactive, azoic, vat, sol. Vat, basic etc.
5. Dyeing of nylon with acid and premetallised acid dyes
6. Dyeing of polyester with disperse dyes.
7. Dyeing of wool and silk with acid and reactive
8. Dyeing acetate with disperse
9. Dyeing of acrylic with basic dyes
10. Dyeing of CDPET

Reference Books:

SR.	NAME OF BOOK	AUTHOR
1	Principles Of Dyes And Dyeing	V.A.Shenai
2	Technology Of Dyeing	E.R.Trotman
3	Scouring And Bleaching	E.R.Trotman
4	Textile Chemistry Vol.II	R.H.Peter
5.	Technology Of Bleaching	J.T.Marsh