

VEER NARMAD SOUTH GUJARAT UNIVERSITY

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

TT - 803 TEXTILE PRODUCTION MANAGEMENT

| Teaching Scheme : (No. Of Contact Hrs.) | | | Theory Exams | | Prac./Quiz/Viva/Exam | | | Grand Total |
|---|------|--------|----------------|-------|----------------------|--------------------|-----------|--------------------|
| Theory | Tut. | Pract. | Duration (Hrs) | Marks | Tut. | Cont.Int Evauation | Sem. exam | |
| 4 | 2 | - | 3 | 100 | 50 | - | - | 150 |

Theory:

1. Selction for site for Textile mill.
2. Preparation of spin plan for cotton, manmade and blends.
3. Preparation of weaving plan for conventional , automatic and shuttleless looms.
4. Objects and types of layout, significance of layout, Factors affecting layout, effect of aumation on layout.
Layout of spinning, yarn preparatory, weaving, knitting, Garment Department.
5. Importance of material handling in various department of Textile mill. Differenyt methods
of material handling .Study of different equipments used.
6. Costing
7. Machine depreciation, different ways of calculating depreciation.
8. Importance of Humidification in Textile Mills. Different methods of humidification.
9. Types of building.
10. Energy conservation in Textile mill, modification done in spinning & weaving machines for
reducing power consumption.
11. Industrial Safety, statutory regulation for health hazard, noise pollution and its control.
12. Clause requirement of ISO 9000.

References

- (1) ATIRA: Norms for the Textile Industry - combined edition, ATIRA, 1982
- (2) Sen Gupta : Weaving Calculations, D.B.Taropawala Sons & Co.Pvt,Ltd.
Bombay, 1996.
- (3) Dr. V.A. Shenai : Occupational Health & Safety in Textile Mills,Sevak Publ.
1978.
- (4) D.L.Shah : Trade Support Services-ISO 9000 Quality Management System,

2nd edition, D.L. Shah Trust, New Delhi, 1996.

TEXTILE PRODUCTION MANAGEMENT

LIST FOR TUTORIAL WORK

1. To prepare spin plan for cotton spinning unit.
2. To prepare spin plan for blend spinning unit.
3. To prepare spin plan for polyester spinning unit.
4. To prepare weave plan for weaving unit having plain power looms.
5. To prepare weave plan for weaving unit having automatic looms
6. To prepare weave plan for weaving unit having shuttleless looms.
7. To prepare layout of spinning unit
8. To prepare layout of yarn preparatory unit.
9. To prepare layout of weaving unit having plain power looms
10. To prepare layout of weaving unit having automatic looms.
11. To prepare layout of weaving unit having shuttleless looms.
12. To prepare plan and layout for a composite unit.
13. To calculate cost of yarn and fabric