

# GUJARAT TECHNOLOGICAL UNIVERSITY

## TEXTILE PRODUCTION

### B. E. SEMESTER: VII

Subject Name: **Technology of Finishing - II**

Subject Code: **172803**

| Teaching Scheme |          |           |       | Evaluation Scheme      |           |                                    |                         |
|-----------------|----------|-----------|-------|------------------------|-----------|------------------------------------|-------------------------|
| Theory          | Tutorial | Practical | Total | University Exam<br>(E) |           | Mid Sem<br>Exam<br>(Theory)<br>(M) | Practical<br>(Internal) |
|                 |          |           |       | Theory                 | Practical |                                    |                         |
| 3               | 0        | 0         | 3     | 70                     | 0         | 30                                 | 50                      |

| Sr. No | Course Content   | Total Hrs. |
|--------|--|------------|
| 1.     | Raising, Shearing & Cropping, Seuding, Napping etc - Processes and machines & applications.  | 03         |
| 2.     | Various methods & applications of calendering like-Swizzing, Friction Finish, Chasing, Schreniring, Embossing, Felt Calendering etc.                 | 06         |
| 3.     | <b>Scutching / opening, Conditioning and Damping. -</b><br>Mechanism, Application & Various methods.   | 03         |
| 4.     | Heat setting of synthetic fibre fabric, Working and Construction & uses of Stenter. A brief discussion on different types of stenters.               | 04         |
| 5.     | <b>Different type of driers –</b><br>Application and working of different types of hydroextractors, Cylinder, Hot Flue, Infra Red, Float Driers etc. | 06         |
| 6.     | <b>Different type of mangles and mangle finishes –</b><br>Types, construction & working of padding mangles.  | 03         |
| 7.     | <b>Creping –</b><br>Importance of constructions of fabrics, creping chemicals, process and machines.   | 03         |
| 8.     | <b>Anti shrink treatment –</b><br>Principle of antishrink treatment. Different types of Sanforizing machines.  | 04         |

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|-----|--|----|
| 9.  | <b>Felting and Antifelting of wool –</b><br>mechanical and chemical methods. | 03 |
| 10. | <b>Linen finishing:</b><br>Beetling etc                                      | 03 |

### **Practical:**

This shall be based on prescribed syllabi.

### **Text Books:**

| <b>Sr. No.</b> | <b>Title</b>            | <b>Author</b> |
|----------------|-------------------------|---------------|
| 1.             | Technology Of Finishing | Shenai V. A.  |

### **Reference Books:**

| <b>Sr. No.</b> | <b>Title</b>                         | <b>Author</b>                 |
|----------------|--------------------------------------|-------------------------------|
| 1.             | An Introduction To Textile Finishing | Marsh J. T.                   |
| 2.             | Textile Finishing                    | Prayag - Mrs. L. R.<br>Prayag |
| 3.             | Textile Finishing                    | Murphy                        |