

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Computer Aided Costume Design and Dress Making

SEMESTER: V

Subject Name: **Knitting Technology**

Sr. No.	Course Content
1.	Comparison of Weaving, Knitting and Lacing:
2.	Introduction and Materials for Knitting: (1) Introduction: 1.1 Definition 1.2 Meaning & Development (2) Materials for Hand Knitting. 2.1 Knitting Aids. 2.1.1 Single-pointed needle 2.1.2 Double-pointed needle 2.1.3 Circular needle 2.1.4 Crochet hook 2.1.5 Tapestry needle 2.1.6 Cable stitch needle 2.1.7 Knitting gauge 2.1.8 Stitch holder 2.1.9 Bobbin 2.1.10 Row-counter 2.1.11 Ring Marker
3.	Different Method of Casting on and Casting off Methods. 3.1 Casting on Methods : - one needle method - single cast on - Double cast on(Thumb method) - Looped cast on 3.2 Casting off methods : (Bind off Methods) - Plain cast off - Suspended cast off - Invisible cast off - Crocheted cast - Plain bind off of Two pieces -

4.	History of Knitted Garment Industry:
5.	Introduction of Different Types of Knitting Machine: 5.1 Flat bed knitting machine 5.2 Circular knitting machine
6.	Diff. Types of Primary Base Structures for Knitted Fabrics: 6.1 Plain fabric 6.2 Rib fabric 6.3 Purl fabric
7.	Stitch Geometry: 7.1 Single chain stitch 7.2 Two thread or double chain stitch 7.3 Three thread over lock 7.4 Seam covering or multi thread chain stitch 7.5 Lock stitch
8.	Understanding of Various Methods and Production Sequence of Knitted Garments: 8.1 Fully cut – Marker, Spreading, and Cutting. 8.2 Stitch – shaped cut – cutting. 8.3 Fully Fashioned – Armhole, Neck etc. Shape Generation. 8.4 Integral knitting – course shaping, wall shaping.
9.	Quality Control Of Knitted Garment:

References Books:

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| 1. Knitting technology. | - David J. Spencer, Pergamon press. |
| 2. Knitted Clothing technology. | - Terry Brackenbury, Blackwell Science. |
| 3. Metric pattern cutting. | - Winifred Aldrich. |
| 4. Pattern cutting for Lingerie, | - Beachwear and Leisurewear. |
| 5. Knitting technology | - D. B. Ajgaonkar. Universal publishing corp, Bombay. Fashion |
| 6. Complete guide to needle work. | - Reader's Digest |
| 7. The step by step guide to knitting. | - Sandy larr. pub. – Willian Callins sons & Co.Ltd. |