

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Computer Aided Costume Design and Dress Making

Semester: 3

Subject Code

Subject Name THE TECHNOLOGY OF CLOTHING MANUFACTURING

THEORY :

Topic No.	Course content
1	SEWING : 1.1 Stitch type – lock, chain, over edge. 1.2 Sewing machine feed mechanism. 1.3 Sewing machine needles and its parts. 1.4 Sewing machine thread packages, thread sizing & thread cost.
2	SEWING PROBLEMS : 2.1 Problems of stitch formation. 2.2 Problems of pucker 2.3 Problems of damage to the fabric along the stitch line.
3	SEWING MACHINERY : 3.1 Basic Sewing Machine, bed types a. Flat bed b. Cylinder bed. c. Post bed. d. Feed of the arm. e. Blind stitch. f. Over edge 3.2 Lock stitch machine chain stitch machine, over edge machine.
4	SIMPLE AUTOMATICS : 4.1 Button hole machine 4.2 Button sew machine 4.3 Bar-take machine Label Sewers
5	MECHANISED WORKPLACES :
6	MECHANISED WORKPLACES THE USE OF COMPONENTS : 6.1 Lining. Interlining. 6.2 Wadding. Buttons.
7	ALTERNATIVE METHODS OF JOINING MATERIALS : 7.1 Fusing – (a) The requirements of fusing

	(b) Fusing process. (c) Means of fusing. (d) Advantages of using fusible interlinings. 7.2 Welding & Adhesive. Maudling.
8	PRESSING : 8.1 The purpose of pressing. 8.2 Categories of pressing. 8.3 The means of pressing. 8.4 Pressing equipments, pressing tables, iron, steam tunnel, Steam air finishers, Pleating, Permanent Press.

LABORATORY EXPERIENCES :

1	Preparation of sheets showing machine needles and its parts.
2	Preparation of sheets showing different thread packages.
3	Preparation of sheets showing sewing machine bed types.
4	Preparation of sheets showing different work-aids.
5	Preparation of sheets showing different pressing equipments.
6	Preparation of sheets showing flat bed fusing presses. a. Vertical action. b. Scissors action.
7	Preparation of sheets showing continuous fusing press.
8	Preparation of sheets showing shirt collar fusing.

Reference Books :

The technology of clothing manufacture : Harold carr and Barbara Lathan