

# LESSON PLAN

## DEPARTMENT OF TEXTILE TECHNOLOGY, ITT, CHOUDWAR

**SUBJECT:** GARMENT MANUFACTURING TECHNOLOGY    **Periods:** 4 per week    **SEMESTER:** 6th

**NAME OF FACULTY:** MANAS KUMAR SAHOO

**No. of weeks:** 15

Week	Period	Theory / Practical Topics
1 <sup>st</sup>	1 <sup>st</sup>	Classify Garments for Men and Women
	2 <sup>nd</sup>	State different Fabric selection for Garments and Properties
	3 <sup>rd</sup>	Eight Head Theory of Human Anatomy.
	4 <sup>th</sup>	Explain Measurements and its importance.
2 <sup>nd</sup>	1 <sup>st</sup>	Describe method of Taking important body measurements for gents and ladies garment
	2 <sup>nd</sup>	State Patterning Importance of paper patterns
	3 <sup>rd</sup>	Pattern making processes
	4 <sup>th</sup>	Explain Types & methods of paper patterns.
3 <sup>rd</sup>	1 <sup>st</sup>	Study of pattern making of Top and Bottom Garments
	2 <sup>nd</sup>	Study of pattern making of Top and Bottom Garments
	3 <sup>rd</sup>	Grading
	4 <sup>th</sup>	Study of Grading of various components of Top and Bottom Garments
4 <sup>th</sup>	1 <sup>st</sup>	Marker Planning.
	2 <sup>nd</sup>	Explain Computer Aided Pattern Making and Grading System.
	3 <sup>rd</sup>	Define Spreading.
	4 <sup>th</sup>	Explain the purposes of Spreading
5 <sup>th</sup>	1 <sup>st</sup>	Various methods of Spreading techniques
	2 <sup>nd</sup>	Discussion of spreading techniques
	3 <sup>rd</sup>	Discussion of spreading techniques
	4 <sup>th</sup>	Describe Cutting – Hand Shear and different types of cutting machines
6 <sup>th</sup>	1 <sup>st</sup>	straight knife, Bend knife
	2 <sup>nd</sup>	circular knife, Die Cutter
	3 <sup>rd</sup>	computer controller cutting knife, etc
	4 <sup>th</sup>	assorting, stickering, bundling.
7 <sup>th</sup>	1 <sup>st</sup>	Define & classify stitch, seam
	2 <sup>nd</sup>	Discussion of hand and machine stitches
	3 <sup>rd</sup>	Types of hand stitches
	4 <sup>th</sup>	Uses and applications of hand stitches
8 <sup>th</sup>	1 <sup>st</sup>	Types of machine stitches
	2 <sup>nd</sup>	Uses and applications of machine stitches
	3 <sup>rd</sup>	Classify different types of seams sewing aids / tools,
	4 <sup>th</sup>	Various end uses of seams
9 <sup>th</sup>	1 <sup>st</sup>	Describe parts of sewing machine.
	2 <sup>nd</sup>	Various types of sewing machines such as Lock stitch, chain stitch, over lock,
	3 <sup>rd</sup>	flat lock, button holing, buttoning and computer controlled sewing machines, State timing diagram for lock stitch.
	4 <sup>th</sup>	Explain Trimmings,
10 <sup>th</sup>	1 <sup>st</sup>	Selection of Needle and sewing thread.
	2 <sup>nd</sup>	Explain Construction of Top and Bottom and Garments
	3 <sup>rd</sup>	Individual and Group production systems

	4 <sup>th</sup>	Discussion
11 <sup>th</sup>	1 <sup>st</sup>	Explain Fusing, Base cloth, Resins coating systems,
	2 <sup>nd</sup>	Temperature, time, pressure. Peel strength,
	3 <sup>rd</sup>	Pressing, types of pressing, basic components of under pressing,
	4 <sup>th</sup>	Describe Machinery and Equipment Pressing,
12 <sup>th</sup>	1 <sup>st</sup>	Top Pressing Controls, Handling Systems.
	2 <sup>nd</sup>	Elaborate Packing, Different types of packing,
	3 <sup>rd</sup>	Packing materials, labels and tags.
	4 <sup>th</sup>	Discussion
13 <sup>th</sup>	1 <sup>st</sup>	Define Marketing, sales, Merchandising,
	2 <sup>nd</sup>	customers / buyers, product / costing, Lead time.
	3 <sup>rd</sup>	Explain Time Planning and Scheduling,
	4 <sup>th</sup>	raw materials and accessories sources.
14 <sup>th</sup>	1 <sup>st</sup>	State structure of Garment manufacturing unit
	2 <sup>nd</sup>	contractors & subcontractors
	3 <sup>rd</sup>	Elaborate packaging.
	4 <sup>th</sup>	Distribution / delivery, market research promotion,
15 <sup>th</sup>	1 <sup>st</sup>	State Garment organization & export.
	2 <sup>nd</sup>	State export house
	3 <sup>rd</sup>	Revision
	4 <sup>th</sup>	Revision