


**DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
FIRST SEMESTER**

	Course Title: BASIC SEWING CONSTRUCTION LAB		
	Credits (L:T:P) : 0:2:4	Total Contact Hours: 78	Course Code: 15FT15P
	Type of Course: Tutorial, Practice	Credit :03 SEE- 50 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of basic apparel sewing

COURSE OBJECTIVES

- 1 To know the various tools and equipments in field of Pattern Making
- 2 To understand the various types of measurements and techniques in Pattern Making
- 3 To evaluate the components required for garment
- 4 To analyze various measurements for creating Components of a Garment.

At the end of the course the students should be able to:

Course Outcomes	
CO1	To understand different types of seams
CO2	To understand the properties and uses of appropriate seams
CO3	To enhance practical knowledge of sewing technique
CO4	To engage in independent lifelong learning in apparel construction
CO5	To analyze, evaluate and apply various measurements in pattern making.

Mapping Course Outcomes with Program Outcomes:

CO –PO mapping

	Course Outcome	Experiment linked	PO Mapped	Cognitive Level	Lab Sessions
CO1	To understand different types of seams	1,2	1,2,3,4,6	R/U	10
CO2	To understand the properties and uses of appropriate seams	2,3,4,5	1,2,3,4,7,10,	U/A	12
CO3	To enhance practical knowledge of sewing technique	1,5,6	2,3,4,8,9,10	U/A	20
CO4	To engage in independent lifelong learning in apparel construction	2,3,4,5,6	5,6,8,9,10	R/U/A	20
CO5	To analyze, evaluate and apply various measurements in pattern making.	2,3,4,5,6	1,2,4,7,9,10	R/U/A	16
Total Hours of instruction					78

U-Understanding; A-Analysis; App-Application

Course outcomes –Program outcomes mapping strength

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
Applied Science lab	3	3	3	3	2	3	3	3	3	3

Level 3- Highly Addressed, Level 2-Moderately Addressed, Level 1-Low Addressed.

Method is to relate the level of PO with the number of hours devoted to the COs which address the given PO.

If $\geq 40\%$ of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3

If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2

If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1

If $< 5\%$ of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed.

CONTENT

Unit	Major Topics	Hours Allotted
1	SEWING MACHINE	9
2	SEAMS AND FINISHES	12
3	NECK LINE FINISHES	15
4	SLEEVES	15
5	COLLARS	12
6	PLACKETS AND POCKETS	12
7	TEST	3
	TOTAL	78

Contact Hrs / Week: 6

Total contacts Hrs/ Sem: 78

COURSE OBJECTIVES:

1. To gain knowledge of operation of various types of sewing machines
2. To gain skill to operate the various types of sewing machines
3. To gain basic knowledge of construction of garment components
4. To evaluate and analyze the workings of sewing machine.
5. To apply sewing techniques to create various garment components
6. To create fabric and component textures.

UNIT – I SEWING MACHINE:

9hrs

1. Practicing peddling of the sewing machine on paper and on material.
2. Practicing straight line, parallel line, zigzag line, curve line, circle, concentric circle, and concentric square.
3. Fixing needles and Threading of sewing machine
4. Cleaning and oiling of sewing machine.
5. Practicing the operation of zigzag and over lock sewing machine.

UNIT – II
SEAMS AND FINISHES

12hrs

- 2.1 Practice of – plain seam, French seam, flat seam, edge seam, turning seam, Parallel seam.
- 2.2 Practicing Facing
- 2.3 Piping and binding
- 2.4 Darts – Arrow head and diamond dart.
- 2.5 Pleats – Side, Box, Inverted and Accordion pleats.
- 2.6 Tucks –pin tucks, space tuck, carded tuck, blind tuck, released tucks, cross

UNIT – III
NECK LINE FINISHES

15hrs

- 3.1 Prepare five basic necklines for girls and women’s garment. by using different seams and finishes.
- 3.2 Prepare five decorative necklines for girls and women’s garment. by using different seams and finishes.

UNIT – IV
SLEEVES

15hrs

- 4.1 Construct the following sleeves–plain, puff, raglan, leg-o-mutton, bell and circular and dolman sleeve. Size: Breast = 60cms, 62cms

UNIT – V
COLLARS:

12hrs

- 5.1 Construct the following collars – Open collar, stand collar, peter pan collar, tie collar, sailor collar
Neck Size = 30cms

UNIT – VI
PLACKETS AND POCKETS:

15hrs

- 6.1 Construct the following plackets – Blouse placket, S hirt placket full open shir, kurtha placket.
- 6.2. Construction of five Patch pocket, Flap pocket,

MINI PROJECT
HONEY COMB AND SMOCKING EACH TWO PATTERNS

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes	
<u>DIRECT ASSESSMENT</u>	CIE- Continuous Internal Evaluation	I A Tests	Students	Two IA (Average marks of two IA tests are considered)	10	Blue Books	<u>1 to 5</u>	
				Record (Average marks of each exercise to be computed)	10	Record Book		
				Class room Assign ments	Class room Assignment s	05	Log of Activity	<u>1&2</u>
				TOTAL		25		
	SEE- Semester End Examination	End Exam		End Of the Course	50	Answer Scripts	ALL CO's	
<u>INDIRECT ASSESME</u>	Student Feedback on course		Students	Middle Of The Course	Feed Back Forms			
	End of Course Survey			End Of The Course	Questionnaire		ALL CO's	

*CIE – Continuous Internal Evaluation

*SEE – Semester End Examination

Note:

1. I.A. test shall be conducted as per SEE scheme of valuation. However obtained marks shall be reduced to 10 marks. Average marks of two tests shall be rounded off to the next higher digit.
2. Rubrics to be devised appropriately by the concerned faculty to assess Student activities.

Indicative Reference

1. Complete guide to sewing- Reader digest
2. Zarpakar system of cutting –AravindZarpaka

Question for CIE and SEE will be designed to evaluate the various educational components
Such as

Remembering and understanding	: 25% weight age
Applying the knowledge acquired from the course	: 25% weight age
Analysis	: 10% weight age
Evaluation	: 25% weight age
Creating new knowledge	: 15% weight age

BASIC SEWING CONSTRUCTION LAB- I PRACTICAL

Scheme of Evaluation

Time:- 3 hours

Marks:-50

Draft, cut, Stitch & finish the following components for the given size

Q.no 1. Sleeve placket, Kurtha placket

[20 marks]

Q. no. 2 Peter Pan collar.

[20 marks]

Q.no 3 Two decorative patch pockets

[10 marks]

LIST OF TOOLS, MACHINARIES AND EQUIPMENT

SL.NO	PARTICULARS	QUANTITY
1	High Speed power Operated Sewing Machine ¼ HP Motor	20
2	High Speed over Lock Machine ¼ HP Motor	06
3	Automatic Zigzag Machine ¼ HP Motor	10
4	Hand operated Cutting Machine	02
5	Button Fixing Machine ¼ HP Motor	02
6	Cork Base Cutting Table	30
7	Automatic Embroidery Machine ¼ HP Motor	20
8	Plastic / Metal L Square	60
9	Plastic French curve with Shaper	60
10	Display Board, Flipchart Board	04
11	Industrial Steam iron	02
12	Wooden Stools with Cushion	60
13	Button Hole Machine	02