


**Government of Karnataka**  
**Department of Technical Education**  
**Board of Technical Examinations, Bangalore**  
**DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY**  
**FIFTH SEMESTER**

	<b>Course Title: PATTERN DRAFT AND APPAREL CONSTRUCTION-V</b>		
	<b>Credits (L:T:P) : 0:2:4</b>	<b>Total Contact Hours:78</b>	<b>Course Code: 15FT54P</b>
	<b>Type of Course: Tutorials &amp; practical</b>	<b>Credit :03 SEE - 50 Marks CIE- 25 Marks</b>	<b>Core/ Elective: Core</b>

**Prerequisites: Knowledge of basic Pattern and Apparel construction.**

**COURSE OBJECTIVES**

1. Take Direct Measurements And Their Application In Pattern And Garment Construction.
2. Create Different Styles In Pattern Making
3. Understand The Methodology Of Assembling Of Garment Components
4. Identify Different Fabric Types For Men's Garment
5. Create Different Labels And Methods Of Pressing The Garment
6. Prepare The Basic Blocks.

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

<b>Course Outcomes</b>	
<b>CO1</b>	Utilization of paper patterns
<b>CO2</b>	Ability to use different measurements according to size and pattern
<b>CO3</b>	Understanding construction of various Men's garments and related components
<b>CO4</b>	Creating new styles in men's garments.
<b>CO5</b>	Create basic blocks & evaluate quality in finished garment

## Mapping Course Outcomes with Program Outcomes: CO –PO mapping

	Course Outcome	Experiment linked	PO Mapped	Cognitive Level	Lab Sessions
CO1	Utilization of paper patterns	1,2,3	1,3,4,5,7,8,9,10	U/A/ C	09 hrs
CO2	Ability to use different measurements according to size and pattern	1,2, 3,6	1,3,4,5,6,7,8,9,10	A/C	30 hrs
CO3	Understanding construction of various Men's garments and related components	1,2,3,4,6	1,3,4,5,6,7,8,9,10	U/A	27 hrs
CO4	Creating new styles in men's garments.	2,3,5,6	1,2,3,4,5,6,7,8,9,10	A/C	06 hrs
CO5	Create basic blocks & evaluate quality in finished garment	1,2,3,4,5, 6	1,3,4,5,7,8,9,10	A/C/E	06 hrs
<b>Total Hours of instruction</b>					<b>78 hrs</b>

**U-Understanding; A-Analysis; App-Application E-Evaluate C-Create**

### Course outcomes –Program outcomes mapping strength

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
PATTERN DRAFT AND APPAREL CONSTRUCTION -IV PRACTICAL	3	1	3	3	3	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	STUDY OF MEN'S GARMENTS	09 hrs
2	ABOVE WAIST GARMENTS	21 hrs
3	BELOW WAIST GARMENTS	21 hrs
4	FABRIC STUDY	03 hrs
5	LABELS & PRESSING	03 hrs
6	PREPARATION OF BASIC BLOCKS	21 hrs
7	TOTAL	78 Hrs

**UNIT - I**  
**STUDY OF MEN'S GARMENTS**

**9 hrs**

- 1.1 Detail study of Men's garments, Draw a 10 ½ head croques, sketch design and color the below given garments.
- 1.2 Measurements, Trimmings, Components, construction of patterns and Apparel Construction for the below given garments.
- 1.3 Construction of the Patterns using Kraft Paper.
- 1.4 Grading of Patterns Using K G Cardboard sheet for miniature. (For record work use paper scale)

**UNIT- II**

**ABOVE WAIST GARMENTS**

**21 hrs**

- 2.1 Formal Wear - Tie collar full open full arm shirt
- 2.2 Formal Wear - Close collar coat
- 2.3 Festive Wear - Jodhpur Sherwani
- 2.4 Uniforms - Medical apron

**UNIT- III**

**BELOW WAIST GARMENTS**

**21 hrs**

- 3.1 Formal Wear - Pleated Trousers
- 3.2 Festive wear - Fashionable Surwar

**UNIT- IV**

**FABRIC STUDY**

**3 hrs**

- 4.1 Prepare a record containing various fabric swatches suitable for the above garments

**UNIT- V**

**LABELS & PRESSING**

**3 hrs**

- 5.1 Preparations of Size Label, Brand Label, Wash and care Label.
- 5.2 Attaching labels
- 5.3 Pressing of the above garments.

**UNIT -VI**

**PREPARATION OF BASIC BLOCKS**

**21hrs**

- 6.1 Construction of the following basic block patterns – Formal Shirt -Front, Back, Yoke, Full Sleeves.
- 6.2 Construction of the following basic block patterns – Formal Trousers – Front, Back, Waist Band

- Note:**
1. Prepare Paper Pattern for all garments. (Unit -2,3 and 6)
  2. Direct cutting method (on Fabric)
  3. Folder to be maintained for fashion sketching for end exams
  4. Garments listed under unit II & III should be presented at the end exam.
  5. Record of fabric swatches.

### **Mini Project**

1. Prepare a novelty sleeve with cuff.
2. Fancy collar suitable for men's garment
3. Any two fancy Placket finishes.
4. Any five fashionable patch pockets
5. Shawl collar

### **Reference Books:**

- Clothing Appearance and Fit - Fan J Yu W and Hunter L – Wood head Publication
- Sizing in Clothing – Ashdown S P - Wood head Publication
- Pattern Making for Fashion Design – Helen Joseph and Armstrong
- Metric Pattern for Cutting for Men's Wear – Winifred Aldrich.

### **E – References:**

- [https://en.wikipedia.org/wiki/Pattern\\_\(sewing\)](https://en.wikipedia.org/wiki/Pattern_(sewing))
- <https://www.pinterest.com/explore/pattern-making/>
- <http://isntthatsew.org/pattern-making-101/>
- <http://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making>
- <http://howdidiyoumakethis.com/basic-tools-for-apparel-patternmaking/>
- [https://en.wikipedia.org/wiki/Pattern\\_\(sewing\)](https://en.wikipedia.org/wiki/Pattern_(sewing))
- <http://www.craftsy.com/blog/2014/08/how-to-make-a-dress-pattern/>
- <http://www.clothingpatterns101.com/pattern-block.html>
- <http://www.clothingpatterns101.com/>
- <http://thecuttingclass.com/post/92055360443/draping-and-mouflage>
- <https://www.pinterest.com/pin/164240717637374358/>
- <http://fabrickated.com/2015/11/20/draping-versus-flat-pattern-cutting-where-do-you-stand/>

## COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
<b>DIRECT ASSESSMENT</b>	CIE- Continuous Internal Evaluation	I A Tests	Students	Two IA (Average marks of two IA tests are considered)	10	Blue Books	1 to 6
				Record (Average marks of each exercise to be computed)	10	Record Book	
		Class room Assign ments		Mini project	05	Log Activity of	1 - 6
				<b>TOTAL</b>	<b>25</b>		
	SEE -SEMESTER END EXAMINATI ON	End Exam		End Of the Course	50	Answer Scripts	ALL CO's
<b>INDIRECT ASSESSMENT METHODS</b>	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:

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. Rubrics to be devised appropriately by the concerned faculty to assess Student activities.

Note to I A Verifier : The following documents to be verified by CIE verifier at the end of semester

1 Blue books

2. Student suggested activities report for 05 marks

3. Student feedback on course regarding Effectiveness of Delivery of instructions and Assessment Methods.

## MODEL OF RUBRICS FOR ASSESSING STUDENT ACTIVITY

Dimension	Scale					Students Score				
	Needs Improvement 1	Developing 2	Satisfactory 3	Good 4	Exemplary 5	1	2	3	4	5
<b>1. Research &amp; gather information</b>	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collects some basic information; most refer to the topic	Collects a good information; all refer to the topic	Collects a excellent deal of information; all refer to the topic	Ex: 2				
<b>2. Fulfil team's roles &amp; duties</b>	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collects some basic information; most refer to the topic	Collects a good information all refer to the topic	Collects a excellent deal of information; all refer to the topic	3				
<b>3. Shares work equally</b>	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collects some basic information; most refer to the topic	Collects a good information all refer to the topic	Collects a excellent deal of information; all refer to the topic	4				
<b>4. Listen to other Team mates</b>	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collects some basic information; most refer to the topic	Collects a good information; all refer to the topic	Collects a excellent deal of information; all refer to the topic	5				
<b>Grand Average/Total=(2+3+4+5)=14/4=3.5=4</b>						4				

**Note: The above rubric is only an example. The concerned Course Coordinator may devise appropriate rubrics for the assigned activity.**

**FIFTH SEMESTER  
PATTERN DRAFT AND APPAREL CONSTRUCTION - PRACTICAL**

**MODEL QUESTION PAPER**

1. Prepare pattern and construct Tie Collar Shirt Or Pleated Trousers Or Survar Or Medical Apron to the given measurements as per specification.

**NOTE: THE EXAMINER HAS TO TICK ANY ONE GARMENT FOR EVERY INDIVIDUAL STUDENT WITH SPECIFICATION**

**Scheme of Evaluation**

**Time:- 4 hours**

**Marks - 50**

<b>Constructing paper pattern</b>	<b>10 marks</b>
<b>Laying and cutting</b>	<b>05 marks</b>
<b>Stitching</b>	<b>30 marks</b>
<b>Finishing and pressing</b>	<b>05 marks</b>
<b>Total</b>	<b>50 marks</b>

## LIST OF TOOLS, MACHINERIES AND EQUIPMENT

<b>SL.NO</b>	<b>PARTICULARS</b>	<b>QUANTITY</b>
<b>1</b>	<b>Plastic / Metal L Square</b>	<b>24</b>
<b>2</b>	<b>Plastic French curve with Shaper</b>	<b>24</b>
<b>3</b>	<b>Display Board, Flipchart Board</b>	<b>04</b>
<b>4</b>	<b>Power operated sewing machine</b>	<b>30</b>
<b>5</b>	<b>Over lock sewing machine</b>	<b>06</b>
<b>6</b>	<b>Button Fixing and button hole</b>	<b>1 Each</b>
<b>7</b>	<b>Industrial Iron box</b>	<b>06</b>
<b>8</b>	<b>Mannequins and dress form</b>	<b>02</b>
<b>9</b>	<b>Full size Mirror</b>	<b>01</b>