


GOVERNMENT OF KARNATAKA
Department of Technical Education
DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
FIRST SEMESTER

	Course Title: PATTERN ILLUSTRATION-I		
	Credits (L:T:P) : 4:0:0	Total Contact Hours: 52	Course Code: 15FT11T
	Type of Course: Lectures, Self Study & Quiz	Credit :04 SEE- 100 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of basic Pattern Construction

COURSE OBJECTIVES

- 1 To know the various tools and equipment 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		CL	Linked PO	Teaching hrs
CO1	To understand various types tools and equipments	U/A	1,2,5,9	10
CO2	Application of measurements for required components	U/R/A	1,2,4,8	07
CO3	To enhance practical knowledge of sewing techniques for necklines.	U/R/A	1,4,5,9,10	06
CO4	To construct various types of sleeves	U/R/A	1,4,5,9,10	10
CO5	To analyze and apply types of collars	U/R/A	3,6,7,10	08
CO6	Application of various components in a garment	U/R/A	1,8,10	08

COURSE-PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
PATTERN ILLUSTRATION-1	3	2	1	3	3	2	1	2	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 ≥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.

COURSE CONTENT AND BLUE PRINT OF MARKS FOR SEE

Unit No	Unit Name	Hour	Questions to be set for (5marks) PART - A			Questions to be set for (10marks) PART - B			Marks weightage (%)
			R	U	A	R	U	A	
1	CLASSIFICATION OF TOOLS AND EQUIPMENTS	10	1	-	1	-	1	1	19.23
2	MEASUREMENTS	8	-	-	1	-	1	1	15.38
3	NECKLINES	6	-	1	-	-	-	1	11.53
4	SLEEVES	10	-	1	1	1	-	1	19.23
5	COLLARS	8	1	-	-	-	1	1	15.38
6	PLACKETS, CUFFS AND POCKETS	10	1	1	-	-	-	1	19.23
			09(45marks)			10(100 marks)			100
	TOTAL	52							

Legend: R; Remember, U: Understand A: Application

CONTENT

Unit	Major Topics	Hours Allotted
1	CLASSIFICATION OF TOOLS AND EQUIPMENTS	10
2	MEASUREMENTS	8
3	NECKLINES	6
4	SLEEVES	10
5	COLLARS	8
6	PLACKETS, CUFFS AND POCKETS	10
	TOTAL	52

UNIT-I

CLASSIFICATION OF TOOLS AND EQUIPMENTS

10hrs

Measuring tools: Measuring Tape, Yard Stick.

Drafting Tools: Drafting Tables, L-square, Trouser Stick, French curve, Measuring Tape, Marking Chalk, and Brush with neat sketch.

Cutting tools: Cutting Table, Scissors, Shears, Pinking Shears, Paper cutting Scissors, Button hole scissors, Trimming Scissors, Stiletto, Tracing Wheel, Bodkin with neat sketch.

Sewing Tools: Domestic Sewing Machines, Hand needles, Machine needles, Sewing Threads, Thimble, Pincushion with neat sketch.

Finishing tools: Trimmers and seam rippers with neat sketch.

Pressing tools: Ironing table, Types of Iron box, Sleeve board, Needle board with neat sketch.

UNIT-II

MEASUREMENTS

8hrs

2.1 Importance of measurements

2.2 Principles of Measurements

2.3 Method of Measuring: Direct Measurements and indirect Measurements

2.4 Classification of Measurements: Length Wise Measurements, Circular Measurements and Width Wise Measurements.

2.5 Method of Measuring- Infant and Toddler Garments, Girls Garments, Boys Garments

2.6 Measurement chart of Infant, Toddler, Girls and Boys

UNIT-III

NECKLINES

6Hrs

3.1 Introduction to Neck lines

3.2 Classification of Neck lines

3.3 Drafting five basic Necklines for Girls and Ladies Garments

3.4 Drafting five Decorative Necklines for Girls and Ladies Garments

UNIT IV

SLEEVES

10Hrs

4.1 Classification of Sleeves: Set-in Sleeves, Raglan Sleeves, Kimono Sleeves.

4.2 Drafting and Construction of following Set in Sleeves: Plain sleeves, Puff Sleeves, Bell Sleeves, Leg-o-Mutton Sleeves, Bishop Sleeves, and Circular Sleeves.

4.3 Drafting and Construction of following Raglan Sleeves: Plain Raglan Sleeve

4.4 Drafting and Construction of following Kimono Sleeve: Kimono Sleeve, Dolman Sleeve, Baggy Sleeve.

UNIT V

COLLARS

8hrs

5.1 Introduction to Collars

5.2 Parts of Collar

5.3 Classification of Collars ---Flat, Stand, Roll Collar

5.4 Drafting and construction of Peter Pan collar, Open Collar, Tie Collar, Stand Collar, Sailor Collar, Frilled Collar, and Bertha Collar.

UNIT VI

PLACKETS, CUFFS AND POCKETS

10 hrs

Drafting and Construction of following Components using Measurements.

6.1 Introduction to Plackets, Types of Plackets

6.2 Drafting and Construction using Measurements: Blouse placket, Kurtha placket, Full Open Shirt placket, Sleeves placket, Zip Front Placket

6.3 Introduction to Cuffs:

6.4 Drafting and Construction of following Components using Measurements: French Cuff, Tailored Cuff, Novelty cuffs (any Two)

6.5 Classification of pockets: Patch Pocket, Inseam Pocket, Welt pocket, Zip Pockets

6.6 Drafting and Construction of following Components using Measurements: Patch Pockets (Any ten Types), Pocket with Flap, Welt Pocket, Inseam Pocket.

Every student to select one of the following topic for the seminar.

1. *Plackets, Cuffs, Pockets,*
2. *Collars, Sleeves, Necklines*
3. *Measurements, Tools & Equipments*

Indicative Reference:

1. Zarapkar System of Cutting, ArvindZarapkar, Navneet
2. Complete Guide to Sewing, Reader's Digest
3. Cutting and Tailoring, GayatriVerma
4. Cutting and Tailoring Vol2, EshwariAnwani

LIST OF LEARNING WEB SITES

<https://www.youtube.com/watch?v=S4lhDwFxdtk>
<https://www.youtube.com/watch?v=EdJSUd71CdI>
<https://www.youtube.com/watch?v=U68FvwHaOoE>
<https://www.youtube.com/watch?v=EZfb6Rpg3yc>
<https://www.youtube.com/watch?v=LRPne5Qa04g>
<https://www.youtube.com/watch?v=Oc3jOfpgvOU>

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
<u>DIRECT ASSESSMENT</u>		I A Tests	Students	Three IA (Average marks of three IA tests are considered)	20	Blue Books	<u>1 to 6</u>
		Class room Assignments		Class room Assignments	05	Log of Activity	<u>1&2</u>
				TOTAL	25		
	SEE -SEMESTER END EXAMINATION	End Exam		End Of the Course	100	Answer Scripts	ALL CO's
<u>INDIRECT ASSESSMENT</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

Note: I.A. test shall be conducted for 20 marks. Average marks of three tests shall be rounded off to the next higher digit.

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				
	Unsatisfactory 1	Developing 2	Satisfactory 3	Good 4	Exemplary 5	1	2	3	4	5
1. Research & gather information	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				
2. Fulfil team's roles & duties	Does not collect any information relating to the	Collects very limited information; some relate	Collects some basic information; most refer	Collects a good information all refer to	Collects a excellent deal of information;	3				

	topic	to the topic	to the topic	the topic	all refer to the topic					
3.Shares work equally	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				
4.Listen to other Team mates	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				
Grand Average/Total=(2+3+4+5)=14/4=3.5=4						4				

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

MODEL QUESTION PAPER (CIE)

Test/Date and Time	Semester/year	Course/Course Code	Max Marks				
Ex: I test/6 th week of sem 10-11 a m	I SEM	PATTERN ILLUSTRATION -1	20				
	Year: 2015-16	Course code:15FT11T					
Name of Course coordinator :		Units:1,2 Co: 1,2					
Note: Answer all questions							
Question no	Question				CL	CO	PO
1	Explain any two tools with neat sketch				A	1	1,2
2	Describe types of sewing machines				U	1	1,2
3	Describe the method of measuring any two measurements of above waist garments OR Write the importance of measurements				A	2	1,2
4	Enlist tools and equipments and explain any two OR Explain the principles of measurements				R	2	1,2

MODEL QUESTION PAPER

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY

FIRST SEMESTER

COURSE TITLE: PATTERN ILLUSTRATION-I

COURSE CODE: 15FT11T

(Answer Any SIX questions from part A and Any SEVEN from Part B)

PART-A(Each questions carries 5 marks)

- Q NO1 Explain measuring tools with neat sketch.**
Q NO 2 Describe Principles of Measurements.
Q NO 3 Draw any two types of Necklines and explain
Q NO 4 Draft a Plain sleeve and write the construction.
Measurements –sleeve length-12cms, chest-60cms
Q NO 5 Describe the parts of a collar.
QNO 6 Explain kutha placket
Q NO 7 Draft any two types of pockets
Q NO 8 Describe finishing Tools
Q NO 9 What is meant by direct Measurements

PART-B(Each questions carries 10 marks)

- Q NO 1 With a neat sketch explain any three drafting tools
Q NO 2 Classify the measurements and explain
Q NO 3 Draft any four Decorative Neck lines for Ladies Garments.
Q NO 4 Draft the following Sleeves for the given measurements
Puff Sleeves 2) Circular Sleeves
Measurements--Sleeve length 10 cms, chest 62cms

Q NO 5 Draft a Tie Collar for the given measurements and write the construction
Measurements-- Neck circumference—30cms
Q NO 6 Explain any Two Fashionable Cuffs
Q NO 7 Classify pockets explain with neat sketch
Q NO 8 Explain pressing tools
Q NO 9 How do you take direct measurements explain
Q NO 10 Explain the following with neat sketch
1)Bell Sleeves 2)Peter pan Collar

**DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
FIRST SEMESTER
SUBJECT TITLE: PATTERN ILLUSTRATION-I**

MODEL QUESTION BANK

COURSE: PATTERN ILLUSTRATION-I

05 MAKS EACH

REMEMBERENCE

- Explain Measuring Tape with neat Sketch
- Enlist the Drafting tools
- Describe importance of measurements
- Write the Principles of Measurements
- Which are the circular measurements explain
- Enlist width wise measurements and explain
- Draft two basic necklines for Girls Garment
- How do you take length wise measurements on human body explain
- Describe parts of Collar with neat Sketch
- Explain Classification of collars Draft a stand collar for the given measurements

UNDERSTANDING

- Explain the importance of Measuring Tape
- Explain pinking scissors with neat sketch
- Explain Stiletto with neat sketch
- Explain Drafting Tables and L square
- Explain Button hole Scissors with neat sketch
- Explain Bodkin and tracing wheel with neat sketch
- Write the uses of Thimble and Tracing Wheel
- Explain finishing tool
- Describe Sleeve Board with neat Sketch
- Write the importance of pressing in Dress making
- Explain different types of Iron boxes with neat Sketch
- What is direct measurement? Explain.
- What is indirect measurement? Explain.
- Write the Classification of measurements
- Draft two basic necklines for Ladies Garment
- Draft two decorative necklines for girls garment
- Draft two decorative necklines foreladies garment
- Explain set in sleeves
- Explain Raglan sleeves

APPLICATION

Explain kimono sleeves

Draw the Style feature of puff sleeves and colour it neatly

Draw the Style feature of Bell sleeves and colour it neatly

Draw the Style feature of bishop sleeves and colour it neatly

Draw the Style feature of Leg-o-mutton sleeves and colour it neatly

Draw the Style feature of circular sleeves and colour it neatly

10 MARKS EACH

REMEMBERENCE

1. Explain measuring tools with neat sketch
2. Explain any three Drafting tools with neat sketch
3. Explain any three sewing tools with neat sketch
4. Explain any two cutting tools with neat sketch
5. Explain finishing tools with neat sketch
6. Explain any two pressing equipments with neat sketch
7. Write the principles of Measurements
8. Write the method of measuring Direct and indirect Measurements
9. Describe the method of measuring Lengthwise Measurements with neat sketch
10. Describe the method of measuring circular Measurements with neat sketch
11. Describe the method of measuring width wise Measurements with neat sketch

UNDERSTANDING

Write the Standard measurement Chart for Girls Garments

Write the Standard measurement Chart for boys Garments

Draft any three Basic neckline for Girls garments and colour it neatly

Draft any three Basic necklines for ladies Garments and colour it neatly

Draft any three decorative necklines for Ladies Garments

Classify Sleeves explain and colour it neatly

Draft a puff sleeves for the given size and write the construction

Draft a leg-o-mutton sleeves for the given size and write the construction

Draft a Bell sleeves for the given size and write the construction

Draft a Circular sleeves for the given size and write the construction

Draft a Bishop sleeves for the given size and write the construction

Draft a Raglan sleeves for the given size and write the construction

APPLICATION

- Draft a baggy sleeves for the given size and write the construction
- Draft and write the Construction of peter pan collar with style feature
- Draft and write the Construction of Open collar with style feature
- Draft and write the Construction of Tie collar with style feature
- Draft and write the Construction of Stand collar with style feature
- Draft and write the Construction of Bertha collar with style feature
- Draft and write the Construction of Sailor collar with style feature
- Draft any three plackets with neat sketch
- Draft any three types of cuffs with neat sketch
- Draft any three patch pockets with neat sketch
- Draft and construct welt pocket and inseam pocket
- Differentiate between Tie collar and open collar