


DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY

SECOND SEMISTER

	Course Title: PATTERN ILLUSTRATION-II		
	Credits (L:T:P) : 4:0:0	Total Contact Hours: 52	Course Code: 15FT21T
	Type of Course: Lectures, Self Study & Quiz	Credit :04 SEE- 100 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of basic pattern illustration

COURSE OBJECTIVES

1. To evaluate and draft the different types of paper pattern
2. To know the construction method for various girls garments
3. To have the knowledge of layout and estimation of various girls garments.
4. To create different types of paper patterns used to make girls garments.
- 5 To understand different systems of cutting
- 6 ability to understand different technical terms and their application

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

Course Outcomes	
CO1	Ability to use different system of cutting as per design
CO2	Ability to draft patterns as per required design
CO3	Ability to draft components required for specific garment
CO4	Gain proficiency to estimate fabric requirement for various girls garment
CO5	To create the pattern draft for various girls garments.
CO6	Ability to understand different Technical Terms

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	Ability to use different system of cutting as per design	U/A	1,2,5,9	10
CO2	Ability to draft patterns as per required design	U/R/A	1,2,4,8	07
CO3	Ability to draft components required for specific garment	U/R/A	1,4,5,9,10	06
CO4	Gain proficiency to estimate fabric requirement for various girls garment	U/R/A	1,4,5,9,10	10
CO5	To create the pattern draft for various girls garments.	U/R/A	3,6,7,10	08
CO6	Ability to understand different Technical Terms	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	1	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 $\geq 40\%$ 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.

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	PAPER PATTERN	4	1	-	-	-	-	1	7.69
2	TECHNICAL TERMS, SYSTEM OF CUTTING	4	-	-	1	-	1		7.69
3	SHRINKING	2	-	1	-	-	-	-	3.84
4	DETAIL STUDY OF GIRLS	26	1	1	2	1	2	2	50

	GARMENTS:								
5	DETAIL STUDY OF BELOW WAIST GIRLS GARMENTS	6	1	-	-	-	1	-	11.53
6	LAYOUT AND ESTIMATION	10	-	1	-	-	1	1	19.23
		52	09(45marks)			10(100 marks)			100
	TOTAL	52							

CONTENTS

Unit	Major Topics	Hours Allotted
1	PAPER PATTERN	4
2	TECHNICAL TERMS, SYSTEM OF CUTTING	4
3	SHRINKING	2
4	DETAIL STUDY OF GIRLS GARMENTS:	26
5	DETAIL STUDY OF BELOW WAIST GIRLS GARMENTS	6
6	LAYOUT AND ESTIMATION	10
	TOTAL	52

UNIT – I

PAPER PATTERN

4hrs

1.1 Principles of Drafting and Cutting on Kraft Paper

1.2 Principles of Drafting and Cutting on Material

1.3 Study of different types of paper pattern

Block pattern, individual pattern , graded pattern and bought pattern.

1.4 Principles, Importance and uses of paper pattern

UNIT II

TECHNICAL TERMS, SYSTEM OF CUTTING 4hrs

2.1 Study of technical Terms --Scye Depth, Neck height, Construction lines, Gusset, waist line, Chest line, Inlay, Reinforcement, Lining, Interlining, Braid, Placket, Shrinking,

2.2 System of cutting – height system, breast system, Scale system

2.3 Measurement Chart of Girls Garments reflected in unit IV for the age group of from five to ten years

UNIT – III

SHRINKING 2hrs

Knowledge of shrinking for different types of fabric – White cotton, coloured, cotton, khaki, Drill and wool.

UNIT –IV

DETAIL STUDY OF GIRLS GARMENTS: 26hrs

Measurements, Style feature, trimmings, materials, components.

1. Sleeves Zabla and Panty
2. A Line Frock with sailor Collar, Sleeveless.
3. Body Frock with Plain Sleeves, Square Neckline
4. Yoke Frock with Round neck and Frills, Puff Sleeves , half back open
5. Low waist Frilled frock with two step frills, Round neck with piping, Decorate with frills for the body part, belt at waist
6. Umbrella frock -Boat neck, umbrella sleeves, belt at waist, skirt finishing with piping
7. Flared Frock—bell Sleeves or flare sleeves, peter pan collar
8. Uniform Blouse with Open collar-Tie collar, Plain sleeves

UNIT V

DETAIL STUDY OF BELOW WAIST GIRLS GARMENTS 6Hrs

1. Measurements, Style feature, trimmings, materials, components
2. Uniform Skirt with pinafore-box pleats. V neck,
3. Long skirt –gathers with waist band, attach lace at bottom

UNIT –VI

LAYOUT AND ESTIMATION 10hrs

6.1 Classification of layout – Direct and indirect layout-formula layout, block layout.

6.2 Principles and Importance of Layout and its uses.

6.3 Layout and Estimation of the garments mentioned in unit IV and unit V on various width of fabric – Single, Medium and double Width.

SEMINAR TWO HOURS

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

- a. Frocks
- b. Trimmings
- c. Lay out and estimation
- d. **INDICATIVE REFERENCE:**
 Zarapkar System of Cutting, Arvind Zarapkar, Navneet
 Complete Guide to Sewing, Reader's Digest
 Cutting and Tailoring, Gayatri Verma
 Cutting and Tailoring Vol2, Eshwari Anwani

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
DIRECT ASSESSMENT	CIE- Continuous Internal Evaluation	IA Tests	Stu- de- nts	Three IA (Average marks of three IA tests are considered)	20	Blue Books	<u>1 to 5</u>
		Class room Assign- ments		Class room Assignment s	05	Log of Activity	<u>1&2</u>
	SEE -SEMESTER END EXAMINATION	End Exam		TOTAL	25		
				End Of the Course	100	Answer Scripts	ALL CO's
INDIRECT ASSESSMENT METHODS	Student Feedback on course		Stu- de- nts	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 IA 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 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				
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	II SEM	PATTERN ILLUSTRATION -II	20		
	Year: 2015-16	Course code:15FT 21T			
Name of Course coordinator :			Units:1,2 Co: 1,2		
Note: Answer all questions					
Question no	Question		CL	CO	PO
1	Write the principles of cutting on material		A	1	1,2
2	Explain block pattern		U	1	1,2
3	What is the importance of scale system of cutting explain with neat sketch OR What is bought pattern, explain		A	2	1,2
4	Describe the Principles of drafting OR Explain lining and interlining		R/u	2	1,2

MODEL QUESTION PAPER

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY

SECOND SEMESTER

COURSE TITLE: PATTERN ILLUSTRATION-II

PART-A

ANSWER ANY SIX QUESTIONS.EACH QUESTION CARRIES FIVE MARKS

Q NO 1 Describe the Principles of drafting

Q NO 2 Explain the uses of paper pattern

Q NO 3 What is Scale System of Cutting Explain

Q NO 4 Draw the Style feature of Sleeves Zabala color it neatly

Q NO 5 Describe the correct method of Shrinking Cotton material

Q NO 6 Explain the following with neat sketch

a) Scye Depth, b) Neck height

Q NO 7 Enlist the required measurements for Yoke Frock

Q NO 8 List the Suitable materials and Trimming materials for frock

Q NO 9 How do you Shrink Woolen fabrics Explain

PART-B

ANSWER ANY SEVEN QUESTIONS.EACH QUESTION CARRIES TEN MARKS

Q NO 10 Draft a Body Frock for the given measurements

Measurements---Full Length—45cms, Body Length-- 18cms, Chest--54cms, Sleeve Length -12cms, Shoulder—23cms,

Style Feature—Plain Sleeves, Two piece Peter pan collar

Q NO 11 Explain the following Paper Patterns

A) Block Paper Pattern B) Graded Pattern

Q NO 12 Draft the following and Sketch the Style Feature.

A) Puff Sleeves B) Bell Sleeves

Measurements Chest---56cms, Sleeve length—12 cms

Q NO 13 a) Draw the Lay out of uniform Skirt with pinafore for the given measurements.

Width of Material—90cms, full length—45 cms, Body Length—20cms, Shoulder—23 cms, Waist Round—52cms, Chest- 54cms

b) Estimate the required Length of Material

Q NO 14 Draft the following

a) Umbrella Skirt b) Bell Sleeves

Measurements Skirt Length --30cms, Waist Round -54cms, Sleeve length -12cms,
Chest 56cms

Q NO 15 Draw the Layout of A Line frock for the given size

Measurements Full Length --48cms, Chest --56cms, Shoulder -24 cms,

Width of material -90 cms

b) Estimate the required Length of Material

Q NO 16 Draft only the Skirt and Sleeves of a flared frock to the given measurements.

Measurements--- Skirt Length—30 cms, Chest--54cms, Sleeve Length -12cms,

Style Feature—Flared Sleeves, Flared Skirt,

Q NO 17 Explain the Shrinking method of following fabrics

a) White Cotton b)Khaki c) coloured Poplin

Q NO 18 a) Explain Height System of Cutting

b) Explain Scale System of Cutting

Q NO 19 Explain the following

a) Formula lay out b) Direct lay out

PATRN ILLUSTRATION - II

MODEL QUESTION BANK

PART-A

EACH QUESTION CARRIES FIVE MARKS

REMEMBER

1. Write the principles of drafting on paper
2. Write the principles of cutting on material
3. Explain block pattern
4. Explain individual pattern
5. What is the importance of scale system of cutting explain with neat sketch
6. Write the importance of paper pattern
7. What is bought pattern, explain
8. Explain the following technical terms with neat sketch—scye depth, neck height
9. Explain lining and interlining
10. Write the uses of following technical trem-inlay, gusset, reinforcement.

UNDERSTAND

11. Explain any five technical terms with neat sketch
12. Describe height system of cutting
13. Explain scale system of cutting

14. What is breast system of cutting explain
15. What is shrinking explain
16. Write the principles of shrinking
17. How do you shrink white cotton material
18. How do you shrink colour cotton material
19. How do you shrink khaki material
20. How do you shrink wool material

APPLICATION

21. Draft a puff sleeves for the given size and write the construction
22. Draft a bell sleeves for the given size and write the construction
23. List the measurements ,components and trimming materials required for a body frock
24. Draft an umbrella skirt for the given size
25. Draft a long skirt for the given size
26. Draw the style feature of a line frock and colour it neatly
27. Draw the style feature of low waist frilled frock
28. Classify lay out methods
29. Explain formula layout with example
30. Explain block out with
31. Write the principles of layout and estimation
32. Describe the importance of estimation
33. Write the importance of width of material in layout and

10 MARKS QUESTIONS

REMEMBER

1. Explain the principles of drafting on craft paper and material
2. Enlist the types of paper patterns and explain
3. Describe the principles and uses of paper pattern
4. Explain the following technical terms with neat sketch-scye depth, waist line, chest line
5. Explain height system of cutting with example
6. What is the importance of scale system of cutting explain with neat sketch
7. What is meant by breast system of cutting how is it used in cutting
8. How do you shrink the fabrics explain with example
9. Draft a sleeves zabala for the given size and write the construction
10. Draft a A line frock for the given size and write the construction

UNDERSTAND

11. Draft a Body frock for the given size
12. Draft a Yoke frock for the given size
13. Draft a Low waist frilled frock for the given size
14. Draft an Umbrella frock for the given size
15. Draft a Flared frock for the given size
16. Draft an Uniform skirt with Pinafore for the given size
17. Draft a Uniform Blouse for the given size
18. Draw the layout of sleeves zabala for the given size
 - a. Estimate the required length of material
19. Draw the layout of A line frock for the given size
 - a. Estimate the required length of material

APPLICATION

20. Draw the layout of Body frock for the given size
 - a. Estimate the required length of material
21. Draw the layout of Yoke frock for the given size
 - a. Estimate the required length of material
22. Draw the layout of Low waist frilled frock for the given size
 - a. Estimate the required length of material
23. Draw the layout of an Umbrella frock for the given size
 - a. Estimate the required length of material
24. Draw the layout of Flared frock for the given size
 - a. Estimate the required length of material
25. Draw the layout of Uniform skirt with pinafore for the given size
 - a. Estimate the required length of material
26. Draw the layout of Uniform Blouse for the given size
 - a. Estimate the required length of material
27. Draw the layout of Long skirt for the given size
 - a. Estimate the required length of material.