



GOVERNMENT OF KARNATAKA
DIRECTORATE OF TECHNICAL EDUCATION
BANGALORE

**CURRICULUM
AND
SYLLABUS**

DIPLOMA IN

**APPAREL DESIGN &
FABRICATION TECHNOLOGY**

SEMESTER SYSTEM



GOVERNMENT OF KARNATAKA
DIRECTORATE OF TECHNICAL EDUCATION
BANGALORE

REVISED CURRICULUM
FOR
2015-2016

III and IV Semesters
DIPLOMA IN
APPAREL DESIGN & FABRICATION TECHNOLOGY

Under the guidance of

Prof and Head CDC NITTR BANGALORE
(28-09-2015 TO 09-10-2015)

SMT. P.CHANDRIKA

HOD, GPW BANGALORE

SMT.ARUNA KUMAR I

HOD NRAM NITTE

SMT. MANJULA. R.KADAM

HOD GPW HUBLI

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JSSPW MYSORE

REVIEW DRAFT COMMITTEE

(22-02-2016 TO 26-02-2016)

SMT. P.CHANDRIKA

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LECTURER, GPW BANGALORE

Government of Karnataka
Department of Technical Education
Board of Technical Examinations
DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
SCHEME OF STUDY AND EXAMINATION
WITH EFFECT FROM (2015-2016) THIRD SEMESTER

Sl. No	Course Code	Name of the Course	Contact Hours/Week					Paper Duration in Hrs	Examination Scheme			End Exam		
			Theory Hours	Tutorial	Practical	Total	Credit		Max Marks	Min Marks	I.A. Marks	Total Marks	Min Marks for Passing (Including IA Marks)	
THEORY														
1	15FT31T	PATTERN ILLUSTRATION-BG III	4	-	-	4	4	3	100	35	25	125	45	
2	15FT32T	BASIC EMBELLISHMENT AND KNITTING	4	-	-	4	4	3	100	35	25	125	45	
3	15FT33T	APPAREL MACHINERIES	4	-	-	4	4	3	100	35	25	125	45	
4	15FT34T	FABRIC STRUCTURE	4	-	-	4	4	3	100	35	25	125	45	
PRACTICAL														
1	15FT35P	PATTERN AND APPAREL CONSTRUCTION-III	-	2	4	6	3	3	50	25	25	75	35	
2	15FT36P	BASIC EMBELLISHMENT AND KNITTING	-	2	4	6	3	3	50	25	25	75	35	
3	15FT37P	FABRIC STRUCTURE	-	2	4	6	3	3	50	25	25	75	35	
TOTAL			16	6	12	34	25	21	550	215	175	725	285	

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY

THIRD SEMESTER

	Course Title: PATTERN ILLUSTRATION-III (BOY'S GARMENTS)		
	Credits (L:T:P) : 4:0:0	Total Contact Hours:52	Course Code: 15FT31T
	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 take direct measurements.
2. To understand the different types of textile fabrics.
3. To apply different Technical Terms.
4. To study the construction of boys wear.
5. To attain the knowledge of Lay out and estimation.

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	Use different measurements according to size and pattern	U/A	1,2,3,4,7	4hrs
CO2	Understand construction of various boys garments and related components	U/R/A	1,2,3,4,7,8,10	28hrs
CO3	Analyze and apply layout and estimation for various garments	U/R/A	1,2,3,4,7,8,10	8hrs
CO4	Develop the ability to use different fabrics and trims	U/R/A	4,5,6,8,10	4hrs
CO5	Apply pressing techniques.	U/R/A	3,4,8,10	4hrs
CO6	Application of finishing techniques.	U/R/A	4,6,9,10	4hrs

COURSE-PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
PATTERN ILLUSTRATION-III	3	3	3	3	1	1	3	3	1	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	Technical terms	4hrs		-	1	-	1		7.69
2	Study of fabrics	4hrs	-	1		-		1	7.69
3	Study of measurements	4hrs	1		-	-	1		7.69
4	Pressing and labelling	4hrs	-		1		-	1	7.69
5	Study of boys garments	28 hrs	1	1	1	2	2	1	53.84
6	Lay out and estimation	8hrs	1	1	-	-	-	1	15.38
			09(45marks)			10(100 marks)			100
	TOTAL	52							

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

CONTENT

Unit	Major Topics	Hours Allotted
1	Technical terms	4hrs
2	Study of fabrics	4hrs
3	Study of measurements	4hrs
4	Pressing and labelling	4hrs
5	Study of boys garments	28 hrs
6	Lay out and estimation	8hrs
	Total	52hrs

UNIT 1

4hrs

Technical terms

1.1 Back height, crotch, fork line, seat angle line, jetting, placket, fly, fly catch

UNIT 2

4hrs

Study of fabrics

2.1 Suitable fabrics for boy's garments-

Drill, jeans, corduroy, shirting, cotton, synthetic, stripes, checks, Plaids khadi underlining, interfacing, interlining, lining, fusible interfacing, and their application.

UNIT 3

4hrs

Study of measurements

3.1 Measurements required for boys garments, study of direct and indirect measurements

3.2 Method of measuring for Below and above waist garments.

UNIT 4

4hrs

Pressing and labeling

4.1 Knowledge and method of pressing shirts, shorts,

4.2 principles of pressing,

4.3 preparing and attaching different labels, brand, size, washlabel etc.

UNIT 5

28hrs

Detail study of boy's garments, Draw 61/2 head croque sketch and design and color the below given garments, measurements, , Components and trimming materials

Above Waist Garments

5.1 Baba suit

5.2 Tie collar shirt with two patch pockets, flap, round bottom

5.3 Nehru shirt with neckband

5.4 Waist coat

Below Waist Garments

5.5 Pajama with fly and fly catch

5.6 Pleated shorts

5.7 Pleatless shorts

5.8 Bermuda

UNIT 6

8hrs

Lay out and estimation of above garments listed unit 5

6.1 Direct layout method—single pick lay, double pick lay and multiple lay.

SEMINAR

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

1. Measurements
2. Labels
3. Industrial visit nearby
4. Textile showrooms
5. Mall to update latest trends

Indicative Reference:

1. Dress making—Smt thangam Subramaniam, Bombay tailoring and embroidery college, 32 north park street, ambattur, Chennai
2. Easy cutting-Juvekar, commercial Tailors
3. Practical clothing construction-part-I part II, Mary Mathews, cosmic press Chennai
4. The complete book of sewing-Dorling Kindersley limited, London
5. Zarafakar system of Cutting- Zarafkar
6. Web Search- WIKIPEDIA
7. Related E - References

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
DIRECT ASSESSMENT		I A Tests	Students	Three IA (Average marks of three IA tests are considered)	20	Blue Books	<u>1 to 5</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
INDIRECT ASSESSMENT	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 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	Does not	Collects	Collects	Collects a	Collects a	4				

work equally	collect any information relating to the topic	very limited information; some relate to the topic	some basic information; most refer to the topic	good information all refer to the topic	excellent deal of information; all refer to the topic				
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	III SEM	PATTERN ILLUSTRATION -III	20				
	Year: 2015-16	Course code:15FT31T					
Name of Course coordinator :			Units:1,2 Co: 1,2				
Note: Answer all questions							
Question no	Question				CL	CO	PO
1	Explain any two technical terms				A	1	1,2
2	Explain any two fabrics suitable for boys garments				U	1	1,2
3	With a neat sketch explain seat angle line and jetting OR Describe lining and interlining.				A	2	1,2
4	Explain the importance's of fusible interfacing OR Describe neck height with neat sketch				R	2	1,2

**DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
THIRD SEMESTER
SUBJECT TITLE: PATTERN ILLUSTRATION-III (BOY'S GARMENTS)**

**MODEL QUESTION PAPER
PART-A**

ANSWER ANY SIX QUESTIONS. EACH QUESTION CARRIES FIVE MARKS

- 1 Explain any two technical terms**
- 2 Describe fork line and placket**
- 3 Explain any two fabrics suitable for boys garments**
- 4 What are the measurements required for above waist garments**
- 5 Explain direct measurements**
- 6 How do you take neck circumferences measurements**
- 7 Describe the method of pressing boys shirt**
- 8 What are the different types of labels explain**
- 9 Explain the importance of layout and estimation**

PART-B

ANSWER ANY SEVEN QUESTIONS. EACH QUESTION CARRIES TEN MARKS

- 1 Explain the method of taking direct and indirect measurements.
- 2 Draft a Baba Suit for given size
Measurements: full length-45cms, chest-58cms, shoulder-27cms, sleeve length-10cms, nicker length-20cms, seat-60cms
- 3 Draft a Nehru shirt for the given size
Measurement: full length-65cms, waist length-30cms, chest-64cms, shoulder-30cms, sleeve length-45cms, neck circumference-30cms.
- 4 Draft a wais coat the given size and construction
Full length-50cms, chest-66cms, shoulder-30cms
- 5 Draft a pleated shorts for the given size
Measurement: full length-30cms, leg length-12cms, seat-66cms, waist-58cms.
- 6 Draft a pleatless shorts for the given size
Measurement: full length-32cms, leg length-12cms, seat-66cms, waist-60cms
- 7 Draft a pyjama for the given size using appropriate scale and write the construction
Measurements: Full length-70, seat-73, waist-63cms, style feature fly and fly catch and side pocket.
- 8 Draw the layout of a pleated short and estimate the fabric required
- 9 Draw the layout of a waist coat and estimate the fabric required
- 10 a) Write the method of pressing a pleated short
b) Write the importance and preparation of labels.

MODEL QUESTION BANK

COURSE: PATTERN ILLUSTRATION-III (BOY'S GARMENTS 05 MAKS EACH

REMEMBER

- Q1 Explain any two technical terms.
- Q2 With a neat sketch explain seat angle line and jetting
- Q3 Describe fork line and placket
- Q4 explain any two fabrics suitable for boys garments.
- Q5 List out different types of measurements for boys garments.
- Q6 Describe lining and interlining.
- Q7 Explain the importance's of fusible interfacing

UNDERSTAND

- Q8** What are the measurements required for above waist garments.
Q9 What are the measurements required for Below waist garments.
Q10 Explain direct measurements
Q11 What do you Know about indirect measurements.
Q12 Write the principles and importance's of measurements.
Q13 How do you take neck circumferences measurements.

APPLICATION

- Q14** Describe the method of taking full sleeve length measurement.
Q15 Write the importances of labels.
Q16 What are the different types of labels explain
Q17 Describe the method of pressing boys shirt
Q18 Describe the method of pressing boys shorts
Q19 What the principles of pressing explain.
Q20 Write the difference between fly and fly catch

PART B

EACH QUESTION CARRIES 10 MARKS EACH

REMEMBER

- Q1** Explain any 5 types of technical terms
Q2 What do you know about technical terms explain
Q3 Explain the method of taking direct measurement for a shirt
Q4 Explain the method of taking indirect measurement for Nehru shirt

UNDERSTAND

- Q5** Draft a Baba Suit for given size
Measurements: full length-45cms, chest-58cms, shoulder-27cms, sleeve length-10cms, nicker length-20cms, seat-60cms
Q6 Draft a Nehru shirt for the given size
Measurement: full length-65cms, waist length-30cms, chest-64cms, shoulder-30cms, sleeve length-45cms, neck circumference-30cms.
Q7 Draft a pleated shorts for the given size
Measurement: full length-30cms, leg length-12cms, seat-66cms, waist-58cms.
Q8 Draft a pleatless shorts for the given size
Measurement: full length-32cms, leg length-12cms, seat-66cms, waist-60cms
Q9 Draft a pyjama for the given size using appropriate scale and write the construction
Measurements: Full length-70, seat-73, waist-63cms, style feature fly and fly catch and side pocket.
Q10 Draft a wais coat the given size and construction
Full length-50cms, chest-66cms, shoulder-30cms.

APPLICATION

- Q11 Draw the layout of baba suit, estimate the fabric required**
Q12 Draw the layout of a tie collar shirt and estimate the fabric required
Q 13 Draw the layout of a Nehru shirt and estimate the fabric required
Q14 Draw the layout of a pleated short and estimate the fabric required
Q15 Draw the layout of a pleat less short and estimate the fabric required
Q16 Draw the layout of a waist coat and estimate the fabric required