


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

	Course Title: PATTERN ILLUSTRATION -V		
	Credits (L:T:P) : 4:0:0	Total Contact Hours:52	Course Code: 15FT51T
	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. Evaluate various fabric swatches.
2. Create different styles lines.
3. Analyze garment construction.
4. Calculate the fabric requirement.
5. Develop basic blocks

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

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	Design various men's garments	U/A	1,2,4,5,7,8,9,10	12
CO2	Develop new styles according to the latest trends	U/R/A	1,2,4,5,7,8,9,10	12
CO3	Estimate the fabric requirement	U/R/A	3,4,5,6,7,8,9,10	08
CO4	Find errors in the garment and rectify	U/R/A	2,4,5,8,9,10	04
CO5	Understand dress form and adopt various measurements on it.	U/R/A	1,2,4,5,8,9,10	04
CO6	Develop basic blocks	U/R/A	1,4,5,7,10	12

COURSE-PO ATTAINMENT MATRIX

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

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	Study of Garments	12	-	1	1	-	1	1	23.07
2	Study of Garments	12	-	1	1	-	1	1	23.07
3	Layout & Estimation	08	-	-	1	1	-	1	15.38
4	Defects & Remedies	04	-	-	1	-	-	1	7.69
5	Model Form & Measurements	04	-	1	-	-	-	1	7.69
6	Basic Pattern	12	1	-	1	-	1	1	23.07
			09(45marks)			10(100 marks)			100
	TOTAL	52							

CONTENTS

Unit	Major Topics	Hours Allotted
1	STUDY OF GARMENTS	12
2	STUDY OF GARMENTS	12
3	LAYOUT & ESTIMATION	08
4	DEFECTS & REMEDIES	04
5	MODEL FORM & MEASUREMENTS	04
6	BASIC PATTERN	12
	TOTAL	52 hrs

UNIT -I
STUDY OF GARMENTS

12 hrs

Detailed Study Of Men's Garment, Required Measurements, Style Feature, Suitable Fabrics, Trimming Materials, And Cost Estimation.

- 1.1 Formal Wear - Tie Collar Full Open Full Arm Shirt
- 1.2 Formal Wear - Close Collar Coat
- 1.2 Festive Wear - Jodhpur Sherwani
- 1.3 Uniforms - Medical Apron

UNIT -II
STUDY OF GARMENTS

12hrs

Detailed Study Of Men's Garment, Required Measurements, Style Feature, Suitable Fabrics, Trimmings Materials, And Cost Estimation.

- 2.1 Formal Wear - Pleated Trousers
- 2.2 Formal Wear - Single Breasted coat
- 2.4 Formal Wear - Double Breasted Coat
- 2.2 Festive wear - Fashionable Surwar

UNIT -III
LAYOUT & ESTIMATION

8 hrs

- 3.1 Layout & Estimation of garments listed under unit I & II
- 3.2 Prepare lay patterns of the above garments – Single, Double and Multiple pick lay.

UNIT -IV
QUALITY CHECKS - DEFECTS & REMEDIES

4 hrs

- 4.1 Shirts – Creases below the collar, Tightness at scye Tightness at waist, diagonal creases from neck to scye
- 4.2 Trousers – Roping along seat seam, Diagonal creases from fork to side seam, Fullness under the seat, vertical folds at fork.

UNIT - V
MODEL FORM & MEASUREMENTS

4 hrs

- 5.1 Study of dress forms used in pattern making
- 5.2 Measurements – Method of measuring vertical, horizontal, circular and strap measurement.
- 5.3 Points of Measurements (POM) - Study of standard measurements on Dress form, Direct measurements on Person, Measurements on Garment

UNIT - VI
BASIC PATTERN

12 hrs

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

TEST

SEMINAR

Each student to select one of the following topics for the seminar (no group should repeat topic)

1. E-Fitting
2. E-Scanner
3. Dress Forms
4. Mannequins
5. Marker Planning
6. Check measurements for Coats
7. Alterations
8. Trial and Fitting
9. Lays

Indicative Reference:

1. Clothing Appearance And Fit - By Fanj, Yu Wand Hunterl
2. Sizing In Clothing –By Ashdown S.P
3. Pattern Making For Fashion Design-By Helen Joshep, Armstrong
4. Metric Pattern Cutting For Men’s Wear-Byblack Well Publication
5. Pattern Making And Making Up –The Professional Approach-By Marten Shoben
6. Dress Fitting-By Natalie Bray Black Well Science Publication
7. Dress Pattern Designing - By Natalie Bray Black Well Science Publication

Related 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
DIRECT ASSESSMENT		IA Tests	Students	Three IA (Average marks of three IA tests are considered)	20	Blue Books	1 to 6
		Class room Assignments		Class room Assignments	05	Log of Activity	1 to 6
				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 IA verifier: The following documents to be verified by CIE verifier at the end of semester

1. Blue books (20 marks)
2. Student suggested activities report for 5 marks evaluated through appropriate rubrics.
3. Student feedback on course regarding Effectiveness of Delivery of instructions & 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
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	
I test/6 th week 10-11 a m	V SEM	PATTERN ILLUSTRATION -V	20	
	Year: 2016-17	Course code:15FT51T		
Name of Course coordinator :		Units:1,2 Co: 1,2		
Note: Answer all questions				
Q. no	Question	CL	CO	PO
1	List the measurements required for Medical Apron	R/A	1	1,2,4,5,7,8,9,10
2	Draft the front & back part of Tie collar shirt	U/A	1	1,2,4,5,7,8,9,10
	OR			
	Draft the back part of close collar coat.	U/A	1	1,2,4,5,7,8,9,10
3	Draw the style feature of Double Breasted Coat	A/C	2	1,2,4,5,7,8,9,10
	OR			
4	What are the measurements required for Single Breasted coat & explain the method of taking it.	U/A	2	1,2,4,5,7,8,9,10
	Design a fashionable surwar and colour it	A/C	2	1,2,4,5,7,8,9,10

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY

FIFTH SEMESTER
SUBJECT TITLE: PATTERN ILLUSTRATION -V

QUESTION BANK
PART-A

Q.NO	DESCRIPTION	CL	CO'S
1	Describe the method of measuring a Tie Collar Shirt	A	1
2	Estimate the cost of a Close collar coat	A	1
3	Enlist the measurements required for a Double Breasted coat and explain	R/A	2
4	Construct a Fashionable surwar	R/A	2
5	Describe lays used in pattern making	A	3
6	Identify any two shirt defects and find out the remedies	U/A	4
7	How do you rectify the following defects 1. Diagonal creases from fork to side seam 2. Vertical folds at fork	R/A	4
8	Describe Dress forms	A	5
9	Prepare a standard measurement chart	R	5
10	Explain the method of taking strap measurement.	A	5
11	Prepare the basic block of front bodice	R	6
12	Illustrate the basic block of trousers and explain	A	6

PART-B

Q.NO	DESCRIPTION	CL	CO'S
1	Construct a Tie collar Shirt for the given size	A	1
2	Construct a close collar coat for the given size	A	1
3	Construct a Pleated Trousers for the given Size	A	2
4	Construct a Double Breasted coat for the given size	A	2
5	Draw the Layout of Medical Apron and write the estimation	A	3
6	Draw the Layout of Double Breasted Coat for the given size	R/A	3
7	Identify the following defects, write the causes and remedies	R/A	4
8	Identify the common defects arises in a shirt and explain the remedies with a neat sketch	R/A	4
9	With a neat sketch explain the method of taking vertical measurements over a dress form	A	5
10	Draw a neat sketch of Dress form and write the land marks	R/A	5
11	Construct the Basic bodice block for a formal shirt	A	6
12	Construct the basic trousers block with waist band.	A	6

**MODEL QUESTION PAPER
PART-A**

ANSWER ANY SIX QUESTIONS, EACH QUESTION CARRIES FIVE MARKS


Q.NO	DESCRIPTION	CL	CO'S
1	Describe the method of measuring a Tie Collar Shirt	A	1
2	Estimate the cost of a Close collar coat	U/A	1
3	Enlist the measurements required for a Double Breasted coat and explain	R/A	2
4	Construct a Fashionable surwar	A	2
5	Describe lays used in pattern making	A	3
6	Identify any two shirt defects and find out the remedies	R/A	4
7	Describe Dress forms	A	5
8	Construct the basic block of front bodice	A	6
9	Illustrate the basic Trousers block and explain	A	6

PART-B

ANSWER ANY SEVEN QUESTIONS, EACH QUESTION CARRIES TEN MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	Construct a Tie collar Shirt for the given size	A	1
2	Construct a close collar coat for the given size	A	1
3	Construct a Pleated Trousers for the given Size	A	2
4	Construct a Double Breasted coat for the given size	A	2
5	Draw the Layout of Medical Apron and write the estimation	R/A	3
6	Draw the Layout of Double Breasted Coat for the given size	R/A	3
7	Identify the following defects, write the causes and remedies	A	4
8	Explain the method of taking vertical measurements over a dress for with neat sketch	A	5
9	Construct the Basic bodice block for a formal shirt	A	6
10	Construct the basic Trousers block with waist belt	A	6

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

	Course Title: INDIAN TEXTILES & CRAFTS		
	Credits (L:T:P) : 4:0:0	Total Contact Hours:52	Course Code: 15FT52T
	Type of Course: Lectures, Self Study & Quiz	Credit :04 SEE- 100 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of Basic textiles and Indian

COURSE OBJECTIVES

1. Tabulate the development of Indian textile
2. Observe the various regional textiles
3. Choose the application of technical textiles
4. Differentiate the smart and intelligent textiles
5. Compile crafts and paintings of India

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	The students are able to identify the ancient and traditional textiles	U/A	1,3,4,5,10	4 hrs
CO2	Able to understand and differentiate various regional textiles.	U/R/A	1,3,4,6,7,10	12hrs
CO3	Apply and usage of textile in various fields	U/R/A	2,4,5,7,8,10	12hrs
CO4	Application and usage of E- textiles in modern trends.	U/R/A	1,8,9,10	4hrs
CO5	Distinguish the various regional crafts and apply the same in lifelong learning process.	U/R/A	2,3,5,6,7,9,10	12 hrs
CO6	Differentiate and interpret the regional paintings.	U/R/A	2,3,5,6,7,9,10	8 hrs

COURSE - PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
INDIAN TEXTILES & CRAFTS	2	3	3	3	3	3	3	2	2	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	Indian Textiles	4	-	1	-	-	-	1	7.69
2	Traditional Textiles	12	-	1	1	-	1	1	23.07
3	Technical Textiles.	12	-	1	1	1	-	1	23.07
4	Smart & Intelligent Textiles	4	-	1	-	-	-	1	7.69
5	Regional Crafts	12	1	-	1	-	1	1	23.07
6	Regional Paintings	8	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	INDIAN TEXTILES	4
2	TRADITIONAL TEXTILES	12
3	TECHNICAL TEXTILES.	12
4	SMART & INTELLIGENT TEXTILES	4
5	REGIONAL CRAFTS	12
6	REGIONAL PAINTINGS	8
	TOTAL	52 hrs

UNIT -I
INDIAN TEXTILES **4 hrs**

- 1.1 Introduction to Indian Textiles – Pre-historic and Indus Valley region
- 1.2 Classification – Dyed, Resist Dyed, Printed And Embroidered

UNIT –II

TRADITIONAL TEXTILES **12hrs**

- 2.1 Introduction - Origin, Definition, Techniques Of Traditional Manufacturing, Cost, Types Related To Below Textiles.
- 2.2 Traditional Sarees North - Dacca & Jamavars of Bengal, Jamdani of Uttar Pradesh, Chanderi of Madhya Pradesh, Brocades of Varanasi, Patola of Gujarat
- 2.3 Traditional Sarees South - Kanchipuram of Tamilnadu, Pochampalli, Gadwal & Venkatagiri of AndhraPradesh- Telangana, Mokolamuru of Karnataka, Paithani of Maharashtra, Ikats of Orissa

UNIT -III **12 hrs**
TECHNICAL TEXTILES.

- 3.1 Introduction
- 3.2 Classification of technical textiles – Geo tech, Medical tech
- 3.3 Agro tech, Build tech, Cloth tech, Home tech and Indu tech (industrial textiles), Mobile tech (Textile used in transport, automotive and aero space), Oekotech or Echo tech (Environmentally friendly textiles)
- 3.4 Application and uses of above technical textiles.
- 3.5 Present scenario & scope of technical textiles.

UNIT -IV **4 hrs**
SMART & INTELLIGENT TEXTILES

- 4.1 Introduction to smart textiles, scope, importance and uses.
- 4.2 Introduction to 3D-printed Textiles
- 4.3 Classification – Passive smart, Active smart, Ultra smart.
- 4.4 Application of smart textiles.
- 4.5 Intelligent textiles – introduction, scope, importance and uses.
- 4.6 Classification - Shape, Memory, Materials, Chromic material, Membranes

UNIT - V **12 hrs**
REGIONAL CRAFTS

- 5.1 Sandal Wood craft of South India
- 5.2 Carpet weaving of North India (Jammu & Kashmir, Uttar Pradesh)
- 5.3 Cane and Bamboo work of North East India

5.4 Sea shell, papier-mâché, coconut shell carving, fiber craft of South & West India

UNIT - VI

REGIONAL PAINTINGS

8 hrs

6.1 Mysore Paintings, Tanjore Paintings, Murals Painting of Kerala

6.2 Moghal Miniature Paintings, Pahari Miniature Paintings, Madhubani Paintings of Bihar

6.3 Modern Indian Paintings – Water colours, Oil paintings, Mixed Media

TEST

SEMINAR

Each group to select one of the following topics for the seminar. (no group should repeat topic)

1. Technical Textiles
2. Indian Crafts
3. Indian Paintings
4. E-Textiles
5. Crafts of Karnataka

Indicative Reference:

1. High Performance organic fibers for industrial use –D.S.Verma
2. Industrial Textiles—Sabit.adanur
3. Textile terms and definitions—textile institute publications

Related e –References

<http://www.camelcraft.com/karnataka-handicrafts.html>
<http://blog.mapsofindia.com/handicrafts/north-india-handicrafts/>
<http://ignca.nic.in/craft001.htm>
<http://blog.mapsofindia.com/handicrafts/west-india-handicrafts/>
https://en.wikipedia.org/wiki/Mysore_painting
https://en.wikipedia.org/wiki/Indian_painting#Madhubani_painting
https://en.wikipedia.org/wiki/Indian_painting#Modern_Indian_Painting

Further reading

- *Havell, E. B. (1908). Indian sculpture and painting. John Murray, London.*
- *Coomaraswamy, Ananda K. (1914). Viśvakarmā ; examples of Indian architecture, sculpture, painting, handicraft. London.*
- *Havell, E. B. (1920). A Handbook of Indian Art. John Murray, London.*
- *Indian Painting*, by Percy Brown. Published by Y. M. C. A. publishing house, 1960.
- *Indian Painting*, by Philip S. Rawson. Published by P.Tisné, 1961.
- *Indian Painting: The Scene, Themes, and Legends*, by Mohindar Singh Randhawa, John Kenneth Galbraith. Published by Houghton Mifflin, 1968.
- *Indian Painting*, by Douglas E. Barrett, Basil Gray. Published by Skira, 1978. ISBN 0-8478-0160-8.
- Kossak, Steven. (1997). *Indian court painting, 16th–19th century*. Metropolitan Museum of Art. ISBN 0-87099-783-1
- Lerner, Martin (1984). *The flame and the lotus: Indian and Southeast Asian art from the Kronos collections*. New York: The Metropolitan Museum of Art. ISBN 0-87099-374-7.
- *A History of Indian Painting: The Modern Period* by Krishna Chaitanya. Published by Abhinav Publications, 1994. ISBN 81-7017-310-8.
- *Ramayana by Valmiki illustrated with Indian miniatures from the 16th to the 19th century*, Diane de Selliers Publisher, 2011, ISBN 978-2-903656-76-8
- Welch, Stuart Cary (1985). *India: art and culture, 1300-1900*. New York: The Metropolitan Museum of Art. ISBN 978-0-944142-13-4.

External links

- [Miniature Painting, Wall paintings, and modern Indian painting](#), Indian Government, Centre for Cultural Resources and Training
- [Archaeological Survey of India](#)
- [Mithila Paintings or Madhubani Paintings](#)

Online exhibits

- [Metmuseum.org](#)

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
DIRECT ASSESSMENT		IA Tests	Students	Three IA (Average marks of three IA tests are considered)	20	Blue Books	1 to 6
		Class room Assignments		Class room Assignments	05	Log of Activity	1 to 6
				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 IA verifier: The following documents to be verified by CIE verifier at the end of semester

1. Blue books (20 marks)
2. Student suggested activities report for 5 marks evaluated through appropriate rubrics.
3. Student feedback on course regarding Effectiveness of Delivery of instructions & 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
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	V SEM	INDIAN TEXTILES & CRAFTS	20	
	Year: 2017-18	Course code:15FT52T		
Name of Course coordinator :			Units:1,2 Co: 1,2	
Note: Answer all questions				
Q. no	Question	CL	CO	PO
1	Summarize Indian textiles	A	1	1,3,4,5,10
2	Differentiate between ancient and traditional textiles.	U	1	1,3,4,5,10
	OR			
	Describe ancient Textiles of Indus valley Region	A	1	1,3,4,5,10
3	Explain the regional textile of Karnataka and Kashmir	A	2	1,3,4,6,7,10
	OR			
	Define Brocades of Varnasi	R	2	1,3,4,6,7,10
4.	Describe the traditional textiles of Tamilnadu	A	2	1,3,4,6,7,10

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

**QUESTION BANK
PART-A**

Q.NO	DESCRIPTION	CL	CO'S
1	Classify hand embroidered textiles	A	1
2	Give an introduction about Indian textiles	A	1
3	Write a brief note on Jamdanis of Uttar Pradesh	R/A	2
4	Describe the traditional textiles of Tamilnadu	A	2
5	Enlist Technical Textiles	R	3
6	Explain Agro tech Textiles	A	3
7	Define Smart Textiles and explain	U/A	4
8	Explain Membranes	A	4
9	Describe Carpet Weaving of North India	A	5
10	Enlist Regional Crafts	R	5
11	Explain Mysore Paintings	A	6
12	Enlist Regional Paintings	A	6

PART-B

Q.NO	DESCRIPTION	CL	CO'S
1	Describe ancient Textiles of Indus valley Region	A	1
2	Explain the Classification of Indian Textiles	A	1
3	Explain Gadwall Textiles	A	2
4	Describe the traditional textiles of Mokalamura	A	2
5	Enlist Technical Textiles	R/A	3
6	Explain Agro tech Textiles	A	3
7	Define Smart Textiles and explain	A	4

8	Explain Membranes	A	4
9	Describe Carpet Weaving of North India	A	5
10	Enlist Regional Crafts	R	5
11	Explain Mysore Paintings	A	6
12	Enlist Regional Paintings	R/A	6

**MODEL QUESTION PAPER
PART-A**

ANSWER ANY SIX QUESTIONS, EACH QUESTION CARRIES FIVE MARKS


Q.NO	DESCRIPTION	CL	CO'S
1	Classify hand embroidered textiles	R	1
2	Write a brief note on Jamdanis of Uttar Pradesh	U	2
3	Describe the traditional textiles of Tamilnadu	A	2
4	Enlist Technical Textiles	R	3
5	Explain Agro tech Textiles	A	3
6	Define Smart Textiles and explain	A	4
7	Describe Carpet Weaving of North India	A	5
8	Enlist Regional Crafts	R	5
9	Explain Mysore Paintings	A	6

PART-B

ANSWER ANY SEVEN QUESTIONS, EACH QUESTION CARRIES TEN MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	Describe ancient Textiles of Indus valley Region	R/A	1
2	Explain Gadwall Textiles	A	2
3	Describe the traditional textiles of Mokalamura	A	2
4	Enlist Technical Textiles	R	3
5	Explain Agro tech Textiles	A	3
6	Define Smart Textiles and explain	R/A	4
7	Describe Carpet Weaving of North India	A	5
8	Enlist Regional Crafts	R	5
9	Explain Mysore Paintings	A	6
10	Enlist Regional Paintings	R	6

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

	Course Title: APPAREL PRODUCTION		
	Credits (L:T:P) : 4:0:0	Total Contact Hours:52	Course Code: 15FT53T
	Type of Course: Lectures, Self Study & Quiz	Credit :04 SEE- 100 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of Basic Machineries in Apparel Industry

COURSE OBJECTIVES

1. Identify and distinguish the types of production process.
2. Evaluate the quality of raw materials and finished garments at different levels.
3. To associate the flow of production and to evaluate.
4. Access the quality standards and application of labels.

COURSE-PO ATTAINMENT MATRIX

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	Apply quality assurance measures to maintain quality	U/A	1,2,3,4,7,10	4 hrs
CO2	Evaluate and access the quality through various stages of inspection	U/R/A	1,3,5,6,7,8,9,10	10 hrs
CO3	Manage various production systems and labor welfare.	U/R/A	2,3,4,5,8,9,10	12 hrs
CO4	Evaluate various quality standards and develop care labels.	U/R/A	2,3,4,5,6,7,8,9,10	6 hrs
CO5	Validate product specification through various tests.	U/R/A	3,5,7,8,9,10	10 hrs
CO6	Identify and distinguish the types of production process.	U/R/A	5,7,8,9,10	10 hrs

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
APPAREL PRODUCTION	2	2	3	3	3	2	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.

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			Mark weightage (%)
			R	U	A	R	U	A	
1	INTRODUCTION	4	-	-	1	-	-	1	7.69
2	QUALITY INSPECTION	12	-	-	1	-	1	1	23.07
3	QUALITY STANDARDS	10	-	1	1	-	1	1	19.23
4	INDUSTRIAL ENGINEERING	8	-	-	1	-	-	1	15.38
5	PRODUCT SPECIFICATION	12	1	-	1	-	1	1	23.07
6	PRODUCTION SYSTEMS	6	1	1	-	1	-	1	11.53
	TOTAL	52	09 (45marks)			10 (100 marks)			100

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

CONTENT

Unit	Major Topics	Hours Allotted
1	INTRODUCTION	4 hrs
2	QUALITY INSPECTION	12 hrs
3	QUALITY STANDARDS	10 hrs
4	INDUSTRIAL ENGINEERING	8 hrs
5	PRODUCT SPECIFICATION	12 hrs
6	PRODUCTION SYSTEMS	6 hrs
	TOTAL	52hrs

UNIT - I
INTRODUCTION

4 hrs

- 1.1 SWOT analysis of Indian Textile(Apparel) Industry
- 1.2 Importance and relationship between Quality, Cost and Delivery

UNIT - II
QUALITY INSPECTION

12hrs

- 2.1 Fabric inspection – Four point system to identify the defects.
- 2.2 Trimming inspection— Labels, threads, Buttons, Zips, Hooks
- 2.3 In-process inspection – spreading defects, cutting defects, sewing defects, Placements of Trims and parts, Symmetry(balance) of Garments.
- 2.4 Care label –American, Japanese, ISO
- 2.5 garment defects in washing, pressing and folding defects in finishing and defects in packaging materials and packaging
- 2.6 Garment defects—major fault, minor fault ,defect zones
- 2.7 Final inspection – Random inspection, statistical inspection, arbitrary inspection
100%inspection, 0%inspection

UNIT – III

QUALITY STANDARDS

10 hrs

- 3.1 Introduction (Concept of Quality and Quality Assurance), Importance and benefits of quality standards.
- 3.2 ISO 9000 , 14000 Standards.
- 3.3 Sources of quality standards – ISO, ASTM, AATTC, BIS, OKOTEX 100 standards
- 3.4 Standard Testing Parameters for Fabric and Garments - Fiber identification test, strength & performance test for fabric and Garment, Colour Fastness Stand, Pile pull test,
- 3.5 Special Testing Parameters for Fabric and Garments - Infant garment, sleep wear, sweaters and swim wear, , additional test for outer wear
- 3.6 Trims Testing Parameters (Pull test, Anti Corrosive, Non Formaldehyde)

UNIT – IV

INDUSTRIAL ENGINEERING

8hrs

- 4.1 Time study and Method Study
- 4.2 Flow charts-flow charts used in production room for export quality formal shirt
- 4.3 Labor- labor welfare measures, safety measures in apparel industry, daily wages, incentives, fringe benefits

UNIT – V

PRODUCT SPECIFICATION

12 hrs

- 5.1 Importance of product specification in apparel industry.
- 5.2 Developing Tech Pack (made of multiple pages containing Style, fabric, trims, Sewing, Quality, Print/Embroidery, Measurements specifications) or Specification Sheet (contains style, fabric trims, sewing, quality, print/embroidery specifications in one single page, along with a separate measurements chart)
- 5.3 Product development—study of design, patterns, proto type Sampling

UNIT VI

PRODUCTION SYSTEMS

6 hrs

- 6.1 Different production systems—Make through system, Progressive bundle system, Section production system, Modular production system, One piece flow system, Over head production system, Piece rate production system
- 6.2 Advantages and Disadvantages of each system of production system

SEMINAR

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

1. Total Quality Management
2. Tech Pack
3. Detecting the defects of raw material
4. Production room
5. Garment defects
6. Flow charts used in Production room

Indicative Reference:

1. An Introduction to quality control for the apparel industry – Mehta P V
2. Textile testing - P Anagappan & Gopalakrishanan – JK Publication
3. Quality characterization of Apparel – Dr Subrata Das – Woodhead Publication
4. Quality management in Clothing industries – A J chutter
5. Apparel Production – R Srinivas
6. The technology of Clothing Manufacture – Herold Carr & Barbara Latham
7. Garment Technology for Fashion Designers – Gerry cooklin
8. Introduction to clothing Manufacture – Gerry Cooklin
9. Clothing Factory – H C Carr
10. Managing Quality in Apparel industry – Pradeep V Mehta NIFT Publication

Related e-References

- <https://www.youtube.com/watch?v=9Rn8bDLVfks>
<https://www.youtube.com/watch?v=UvO3WuA9dXw>
<https://www.youtube.com/watch?v=x7LN-MZNvec>

https://www.youtube.com/watch?v=zYJes_6M9nc
https://en.wikipedia.org/wiki/Textile_industry
https://en.wikipedia.org/wiki/Worldwide_Responsible_Apparel_Production
https://en.wikipedia.org/wiki/Manufacturing_process_management
<http://www.biz2credit.in/blog/2015/07/06/swot-analysis-of-textile-industry-in-india/>

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	1 to 6
		Class room Assignments		Class room Assignments	05	Log of Activity	1 to 6
				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 IA verifier: The following documents to be verified by CIE verifier at the end of semester

1. Blue books (20 marks)
2. Student suggested activities report for 5 marks evaluated through appropriate rubrics.
3. Student feedback on course regarding Effectiveness of Delivery of instructions & 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
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. Fulfill 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	
I test /6 th week 10-11 a m	V SEM	APPAREL PRODUCTION	20	
	Year: 2017-18	Course code:15FT53T		
Name of Course coordinator :			Units:1,2 Co: 1,2	
Note: Answer all questions				
Q. no	Question	CL	CO	PO
1	Explain SWOT Analysis of Indian textile Industry	U	1	1,2,3,4,7,10
2	Describe the importance of quality	U/A	1	1,2,3,4,7,10
	OR			
	Discuss Cost and Delivery	A	1	1,2,3,4,7,10
3	Identify Cutting defects and explain	A	2	1,3,5,6,7,8,9,10

	OR			
	Write the process of inspecting trimmings	A	2	1,3,5,6,7,8,9,10
4	Describe the various garment defects.	U/A	2	1,3,5,6,7,8,9,10

**DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
FIFTH SEMESTER
MODEL QUESTION PAPER
PART-A**

ANSWER ANY SIX QUESTIONS, EACH QUESTION CARRIES FIVE MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	List out spreading defects.	R	2
2	Describe packaging defects	U	2
3	What is meant by time study explain	A	3
4	Differentiate daily wages and fringe benefits	A	3
5	Describe benefits of quality standards'	U/A	4
6	Explain washables test	A	5
7	Describe color fastness test	R/A	5
8	Develop a Tech Pack for a export quality formal shirt	R	6
9	List out production systems and explain any two	R/U	6

PART-B

ANSWER ANY SEVEN QUESTIONS, EACH QUESTION CARRIES TEN MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	Describe the relationship between quality, cost and delivery	U	1
2	Describe trimming inspection	U	2
3	Explain final inspection	A	2
4	Explain any three production systems	A	3
5	Draw a flow chart of export quality formal shirt and explain	R/A	3
6	Explain 14000 quality standards	A	4
7	Describe product specification	A	5
8	What are the trim testing parameters explain	R/A	5
9	Differentiate between make through system and piece rate production system	A	6
10	What is Prototype sampling explain	A	6


**QUESTION BANK
PART-A**

Q.NO	DESCRIPTION	CL	CO'S
1	Describe swot of Indian apparel industry	A	1
2	Discuss the importance of Cost	R	1
3	What is Four point system explain	A	2
4	Explain ISO care label	U	2
5	Describe the benefits of quality standards	R	3
6	What are the sources of quality standards	A	3
7	Differentiate between daily wages and fringe benefits	A	4
8	Discuss method study used in apparel industry	A	4
9	Illustrate a specification sheet of peg skirt	A	5
10	What is proto type sampling explain	A	5
11	Write the advantages of piece rate production system	U/A	6
12	Explain any two production system used in apparel industry.	R/A	6

PART-B

Q.NO	DESCRIPTION	CL	CO'S
1	What is SWOT explain in detail	U	1
2	Explain quality cost and delivery	U	1
3	Describe In process inspection	R	2
4	Identify garment defects for washing and pressing explain	U	2
5	Explain ISO 9000 standards	R	3
6	What is quality assurance explain in detail	R/A	3
7	Design a flow chart for the production room	A	4
8	Describe labor welfare measures	R/A	4
9	Write the importance of product specification in Apparel Industry	R/A	5
10	Develop a Tech Pack for a export quality formal wear	R/A	5
11	List out production systems and discuss the advantages and disadvantages of any two production systems	U/A	6
12	Explain any three production systems	U	6

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

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

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:

Course Outcomes	
CO1	Utilization of paper patterns
CO2	Ability to use different measurements according to size and pattern
CO3	Understanding construction of various Men's garments and related components
CO4	Creating new styles in men's garments.
CO5	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
Total Hours of instruction					78 hrs

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
DIRECT ASSESSMENT	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
				TOTAL	25		
	SEE -SEMESTER END EXAMINATI ON	End Exam		End Of the Course	50	Answer Scripts	ALL CO's
INDIRECT ASSESSMENT METHODS	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
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.

**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

Constructing paper pattern	10 marks
Laying and cutting	05 marks
Stitching	30 marks
Finishing and pressing	05 marks
Total	50 marks

LIST OF TOOLS, MACHINERIES AND EQUIPMENT

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

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

	Course Title: INDIAN TEXTILES & CRAFT (PRACTICALS)		
	Credits (L:T:P) : 0:2:4	Total Contact Hours:78	Course Code: 15FT55P
	Type of Course: Tutorials & practical	Credit :04 SEE - 50 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of basic Pattern and Apparel construction.

COURSE OBJECTIVES

1. Visualize the different types of yarns used for knotting.
2. Illustrate weaving using various raw materials.
3. Produce textural effect to construct different designs.
4. Application of various traditional designs on fabric.
5. Formulate and inculcate various designs on fabric and paper.

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

Course Outcomes	
CO1	Design yarns in various design objects / forms.
CO2	Construct the raw materials in an artistic manner.
CO3	Compile designs in different forms.
CO4	Select appropriate designs for sari borders.
CO5	Compose various designs for an appropriate pattern.

Mapping Course Outcomes with Program Outcomes:

	Course Outcome	Experiment linked	PO Mapped	Cognitive Level	Lab Sessions
CO1	Design yarns in various design objects / forms.	1,2	1,2,7,8,9,10	U/A/ C	12 hrs
CO2	Construct the raw materials in an artistic manner.	1,2,	1,2,3,7,8,9,10	A/C	12 hrs
CO3	Compile designs in different forms.	1,3	1,2,7,8,9,10	U/A	12 hrs
CO4	Select appropriate designs for saree borders.	4,5	1,2,4,5,7,8,9,10	A/C	21 hrs
CO5	Compose various designs for an appropriate pattern.	4,5	1,2,4,5,7,8,9,10	A/C/E	21 hrs
Total Hours of instruction					78 hrs

U-Understanding; A-Analysis; App-Application, C- Create, E- Evaluation

Course outcomes –Program outcomes mapping strength

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
INDIAN TEXTILES & CRAFT PRACTICAL	3	3	2	3	3	0	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 FOLLOWING CRAFTS	16 hrs
2	CRAFT WEAVING	16 hrs
3	REPEATS	16 hrs
4	TRADITIONAL TEXTILES -1	30 hrs
	TOTAL	78 hrs

UNIT – I

STUDY OF FOLLOWING CRAFTS

16 hrs

- 1.1 Macramé knots / Three Type
- 1.2 Crochet – Thread & Woolen / Three Type

UNIT – II

CRAFT WEAVING

16 hrs

- 2.1 Weaving – Cane sticks, Wire, Straw, Jute / One each
- 2.2 Paper - Bags, folders / One each
- 2.3 Braiding – Satin ribbon, Jute thread, Waste Material / One each

UNIT – III

REPEATS

16 hrs

Create the following designs using poster colors. Size 15/15 Sq cms

- 3.1 One fourth repeat
- 3.2 Half repeat
- 3.3 Cross repeat
- 3.4 Brick repeat
- 3.5 Abstract design
- 3.6 One way design
- 3.7 Symmetrical & Asymmetrical design

UNIT - IV

TRADITIONAL TEXTILES -1

30 hrs

Create the following textile designs for Sari Border using Fabric Colors on fabric / Poster Colours On Paper

- 4.1 Pochampalli / Any Two Types Of Designs
- 4.2 Ikat Potala / Any Two Types Of Designs
- 4.3 Bandini / Any Two Types Of Designs
- 4.4 Pulkari / Any Two Types Of Designs
- 4.5 Brocade / Any Two Types Of Designs

Note: Prepare a record containing exercises of all **units from 1 to 5**

Mini Project

1. Prepare a wall hanger using exercises of **1& 2 unit.**
2. Create a border and pallu design for a duppatta using exercises of **unit 4**

Indicative Reference:

1. High Performance organic fibers for industrial use –D.S.Verma
2. Industrial Textiles—Sabit.adanur
3. Textile terms and definitions—textile institute publications

Related e –References

<http://www.camelcraft.com/karnataka-handicrafts.html>
<http://blog.mapsofindia.com/handicrafts/north-india-handicrafts/>
<http://ignca.nic.in/craft001.htm>
<http://blog.mapsofindia.com/handicrafts/west-india-handicrafts/>
https://en.wikipedia.org/wiki/Mysore_painting
https://en.wikipedia.org/wiki/Indian_painting#Madhubani_painting
https://en.wikipedia.org/wiki/Indian_painting#Modern_Indian_Painting

COURSE ASSESSMENT AND EVALUATION

	What		To Who m	Frequency	Max. Marks	Evidence Collected	Course Outcomes
DIRECT ASSESSMENT	CIE- Continuous Internal Evaluation	IA 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 Assignments		Mini Project	05	Log of Activity	1 - 6
				TOTAL	25		
	SEE - SEMESTER END EXAMINATION	End Exam		End Of the Course	50	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

*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.

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

1 Blue book

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
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.

**FIFTH SEMESTER
INDIAN TEXTILES & CRAFT (PRACTICAL)
MODEL QUESTIONS**

1. Prepare the swatch of traditional textile using fabric colors.

Swatch size= 20x25cms.

2. Design a Phone Mat of Woven Craft using Straw or fabric or cane or thick cord.

Size = 20x25cms.

3. Design Braiding Swatch size 20x25cms. – Satin ribbon OR Jute thread OR Waste Material


Scheme of Evaluation

Time:- 3 hours

Marks: 50

1	Traditional Textile	20 mks
2	Woven craft	20 mks
3	Presentation	10 mks
	Total	50 marks

Government of Karnataka
Department of Technical Education
Board of Technical Examinations, Bangalore

	Course Title: PROFESSIONAL PRACTICES		
	Scheme (L:T:P) : 0:2:4	Total Contact Hours: 78	Course Code: 15FT56P
	Type of Course: Assignment Group talk and practice	Credit : 03	Core/ Elective: Core(practice)
CIE- 25 Marks		SEE- 50 Marks	

Prerequisites: Enthusiasm to Explore New things by taking individual tasks and acquires skills from participating in group activities.

Course Objectives:

Professional development of Diploma students is to be done by exposing them to various simulative situations in the industries. This is achieved by involving students in activities such as inviting experts from various industries for sharing their experiences, arranging industrial visits, seminars etc.

COURSE OUT COME

On successful completion of the course, the students will be able to:

Course Outcome		CL	Linked activity	Linked PO	Teaching Hrs
CO1	Search the information related to topic, and acquire knowledge of contemporary issues related to advancements in Apparel industry	Analysis	1	2-10	15
CO2	Exposure to various industry environment practice and global, societal, economic, and/or environmental issues, by listening experts talks and interact with them	Application/ analysis	2	2-10	15
CO3	Discuss & disseminate about advancements in related profession including societal, environmental	Innovative /Analysis	3	2-10	15
CO4	Develop individual confidence and acquire life skills to handle various assignments	Application	4	2-10	15
CO5	Enhancing the employability skills and to increase their ability to engage in, life-long earning, by undergoing industrial visits	Analysis /Creation	5	2-10	18
Total					78

COURSE-PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
PROFESSIONAL PRACTICES	0	3	3	3	3	3	3	3	3	3
<p>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.</p>										

1. Information Search and Data collection:

15HRS

Information search can be done through manufacturer's catalogue, websites, magazines; books etc. *Following topics are suggested.*

1. Textiles in other fields – geo textiles
2. Medical textiles
3. Technical textiles
4. Computerized cutting system used in Apparel Industry
5. ISO Standards in Apparel Industry
6. Quality in Apparel Industry
7. Digitization of Patterns
8. Different repeat techniques – $\frac{1}{2}$ repeat, $\frac{1}{3}$ repeat, cross repeat, Brick repeat, Stripes, checks and plaids.
9. Quality Inspection.
10. Spec Sheet
11. Sales promotion
12. Visual Merchandising
13. Window Displays & interiors
14. Role of merchandiser in apparel industry
15. Modern Printing techniques on fabric
16. Eco friendly dyes
17. Classification of Garments & their uses.
18. Historical costumes
19. Theatre costumes
20. Indo western costumes
21. Effect of colours in Apparel design
22. Study of leather and leather garments
23. Study of Labour - labour problems, labour laws and labour welfare.
24. Shuttle & shuttle less looms
25. Types of Spinning
26. Haute Couture
27. Cost Estimation in Apparel industry
28. Fashion forecasting
29. Large & Small Scale industry
30. Sources of textile fibres

Method for conducting Graded activities

1. The student should individually select the topic, and search the information related to topic.
2. The report is strictly hand written document to have knowledge of precise writing and report making based on data collection
3. Carry out class room presentation.

2. Guest Lecturers: To be organized from any two of the following areas 15 HRS

Experts / Professionals from different field/industries are invited to deliver lectures at least TWO sessions in a semester. The topics may be selected by the teacher /industry expert to develop required skills.

Note: The ISTE student chapter/CCTEK/ Institute of engineers (Institute chapter)/ student clubs of polytechnic may be used as platform to conduct this activity.

1. Pollution control.
2. Fire Fighting / Safety Precautions and First aids.
3. Career opportunities,
4. Yoga Meditation,
5. Aids awareness and health awareness.
6. Computer aided designing.
7. Industrial hygiene.
8. Interview Techniques.
9. Nanotechnology
10. TQM

Method for conducting Guest lectures

1. The teacher/ISTE student chapter convener should fix up the date for guest lecture
2. The HOD of the department should chair the event
3. The students of class allowed to participate in the session
4. Watch the talk and make the brief hand written report on the guest lecture delivered by each student as a part of Term work.
5. Make Audio/visual record of the guest lecture by using any smart devices
6. Opportunity should be provided for students for live Interaction with experts and record it on any one smart device.

3. Group Discussion: (One topic) 15HRS

The students shall discuss in group of six students .Some of the suggested topics are

1. Polythene bags must be banned!
2. Do we really need smart cities?
3. E – Books or Printed books – what's your choice?
4. Is Face book for the attention – seeking and lazy people?
5. Globalization and its impact on Indian Culture.
6. Analytically evaluate the solutions to traffic problems
7. Global warming is caused more by developed countries
8. Rain forests help in maintaining the earth's ecosystem
9. Reservation for women would help the society
10. How to deal with terrorism
11. Water resources should be nationalized
12. Daughters are more caring than sons

13. NGOs - Do they serve people's interests?
14. Managers are born, not trained
15. Managerial skills learnt in the classroom
16. Women are good managers
17. India's growth rate is bridging gap between rich and poor.
18. Nuclear power is a safe source of energy
19. Electronic media vs. print media
20. Corruption is the price we pay for democracy
21. Multinational corporations: Are they devils in disguise?
22. Advertising is a waste of resources.
23. Privatization will lead to less corruption.
24. China market - a threat to Indian market
25. Technology Creates Income Disparities
26. India should be reorganized into smaller states.
27. Rising petrol prices - Govt. can control?
28. Smaller businesses and start-ups have more scope
29. Developing countries need trade, not aid.
30. Business and Ethics do not go together
31. Performance based bonuses for government employees should be welcomed
32. Depreciation of Indian Rupee has only negative impact on the economy
33. Gold: Best investment or a bursting bubble?
34. Freedom of press should exist
35. India needs a strong dictator
36. Media is a mixed blessing/How ethical is media?
37. Computer viruses are good
38. India should practice "Swadeshi"
39. The government should stop funding IIT's and IIM's
40. Will India really be the superpower of 21st century?
41. Quality is a myth in India.
42. China - A threat to India?
43. Indian villages - our strength or our weakness?
44. Mobile phones - requirement of the day.
45. Cursing the weather is bad farming
46. If you want peace, prepare for war
47. Education is a progressive way of discovering your ignorance.
48. Beauty contests degrade womanhood
49. If you are not a part of the solution, you are part of the problem
50. Examinations - has it killed education?
51. The medium of teaching in schools should be English
52. A room without books is like a body without soul.
53. Educated Indians lack national commitment.
54. E-Learning is good for the education system and society

Methodology for conducting Group discussion/Seminar

1. The teacher will allot a topic for a group of six students
2. The teacher should give an introductory talk on Ways and rules to carry out group discussion
3. The students should ask to show interest with others and work effectively with them to meet common objective. The teacher should provide tips to accept feedback in a constructive and considerate way and how to handle frustrations in group, while discussion.

4. The placement officer and any other senior faculty of the institute/ HOD of other department should be invited and they should act as observing members, apart from teacher
5. The teacher should fix up the time duration for initiating and conducting the activity
6. **Documentation to be produced for validation**
 - Hand written document on minutes of discussion, description of the topic discussed
 - Record the few minutes of discussion by smart device

4. Individual Assignments and Life skills

15HRS

The students will perform ANY ONE of the following activities individually (other similar activities may be considered) in both the sections

A. Individual assignments

1. Collecting latest data on finishing machines / equipment.
2. Study of Vegetable fabrics for any one like – bamboo fabrics, banana fabrics, Pine fabrics
3. Survey of latest fabric – specifications, properties, costs, manufacturers names etc.
4. Study of any one type of Knitting machine and prepare report on its functions.
5. Write a sequence of operations performed in apparel manufacturing unit. Draw a block diagram showing above operations
6. Survey of types of CAD software's used in apparel industry, and prepare a report on its features, applications and costs.
7. Prepare a pictorial chart depicting the problems that arises in any industrial sewing machine and suggest remedial measures to avoid problems.
8. Visit a Craft Emporium and prepare a report.
9. Draw a Single Needle Lock Stitch Machine and mention the parts.
10. Compare Handloom & Power loom on the basis of Applications and limitations

B. Life skills

1. Conduct aptitude, general knowledge test, IQ test, Solve Puzzles.
2. Set the goal for personal development.
3. Develop good habits to overcome stress.

Methodology for conducting activity

1. The teacher will assign a topic for individual student; give sufficient time to complete the task. Ask the student to submit an hand written report
2. The teacher should conduct any one specified life skill activity with local NGO/ placement cell/ISTE student chapter/CCTEK/ NSS unit of the institute. The student should present his/her experiences in a class and make report.

5. Industrial Visits

18HRS

Structured industrial visits be arranged and report of the same shall be submitted by the individual student, to form a part of the team work. Following are the suggested types of Industries/ Fields.

Note: One Industrial visit is arranged per practical batch of students.

1. Weaving Sector
2. Textile industry / garment manufacturing /embroidery / textile printing and dyeing units.
3. Spinning Mills
4. Cottage / Small Scale Industry
5. Knit wear industry

Methodology for conducting activity

1. The subject teacher(s) have liberty to select nearby organization/industry of local vicinity with prior approval of principal of the institute
2. Arrange the nearby visit and Prepare a word processing report of the visit including detail observations made, Details of visit should be mentioned with date , place etc

Course Delivery:

The course will be delivered through discussions and activities

Course Assessment and Evaluation Scheme:

	What		To whom	When/Where (Frequency in the course)	Max Marks	Evidence collected	Course outcomes
Direct Assessment meth	CIE	IA	Students	Each activities @5 marks each	25	Report	1,2,3,4,5
				End of the course	50	Answer scripts at BTE	1,2,3,4,5
Indirect Assessment	Student Feedback on course		Students	Middle of the course		Feedback forms	1,2,3 Delivery of course
	End of Course Survey			End of the course		Questionnaires	1,2,3, Effectiveness of Delivery of instructions & Assessment Methods

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

1. Student activities report for 25 marks
2. Student feedback on course regarding Effectiveness of Delivery of instructions & Assessment Methods.

For end examination:

1. **Note for examiners :** The records of the activities should be preserved in the department for minimum three years and the examiner should verify these records to prevent duplication of the activity

Scheme of Valuation for End Examination

Serial no	Description	Marks
1	Report on Information Search and Data collection	10
2	Document on Guest Lecturer by experts	10
3	Recording of Group discussions made by any smart devices	10
4	Report on Individual assignment/ Life skill activity recorded	10
5	Report on Industrial visit	10
	TOTAL	50

MODEL OF RUBRICS /CRITERIA FOR ASSESSING STUDENT ACTIVITY

RUBRICS FOR ACTIVITY(5 Marks)						
Dimension	Needs improvement	Developing	Satisfactory	Good	Exemplary	Student Score
	1	2	3	4	5	
Collection of data	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collect much information; but very limited relate to the topic	Collects some basic information; most refer to the topic	Collects a great deal of information; all refer to the topic	Ex: 4
Fulfil team's roles & duties	Does not perform any duties assigned to the team role	Performs very little duties but unreliable.	Performs very little duties	Performs nearly all duties	Performs all duties of assigned team roles	5
Shares work equally	Always relies on others to do the work	Rarely does the assigned work; often needs reminding	Usually does the assigned work; rarely needs reminding	Normally does the assigned work	Always does the assigned work without having to be reminded.	3
Listen to other Team mates	Is always talking; never allows anyone else to speak	Usually does most of the talking; rarely allows others to speak	Talks good; but never show interest in listening others	Listens, but sometimes talk too much	Listens and speaks a fair amount	2
Average / Total marks=(4+5+3+2)/4=14/4=3.5=4						

Note: This is only an example. Appropriate rubrics/criteria may be devised by the concerned faculty (Course Coordinator) for assessing the given activity

MODEL QUESTION PAPER
Semester Diploma Examination
Course Title: **PROFESSIONAL PRACTICES**


Time: **3 Hours**]

[Max Marks: **50**

Sl.No	Questions	Marks
1	Write brief note on information searched and data collected activity	10
2	Give brief explanation about knowledge acquired by you during the guest lecture	10
3	Write the conclusion of the topic given for the group discussion	10
4	Write brief note on individual assignment performed and information gathered and data collected activity	10
5	Write the sequence of processing followed in the industry/work shop you have visited	10

Note: The marks should be awarded on the basis of Reports/Documents submitted by the student

Government of Karnataka
Department of Technical Education
Board of Technical Examinations, Bangalore

	Course Title: PROJECT WORK-I		
	Scheme (L:T:P) : 0:1:2	Total Contact Hours: 39	Course Code: 15FT57P
	Type of Course: Practice	Credit : -	Core/ Elective: Practice
CIE- 25 Marks			

Prerequisites: Application learned concepts form the previous semester studied courses.

Course Objectives:

1. Learn the objective of this project is to provide opportunity for the students to implement their skills acquired in the previous semesters to practical problems/problems faced by industry/development of new facilities
2. Make the students come up with innovative/ new ideas in his/her area of interest.
3. Identify, analyze and develop opportunities as well as to solve broadly defined problems.
4. Enhance students' appreciation of the values of social responsibility, legal and ethical principles, through the analysis and discussion of relevant articles and real time projects.

Course outcome

On successful completion of the course, the students will be able to:

Course Outcome		CL	Linked PO	Allotted hours
CO1	Get an idea and confidence in designing, analyzing and executing the project.	Analysis/creation	1 to 10	3hrs/Week
CO2	Apply the knowledge of latest trends in fabrication/manufacturing and Relate their ideas while executing the project	Analysis/creation	1 to 10	
CO3	Have complete understanding of Executing the project	Analysis/creation	1 to 10	
CO4	Prepare documents in team and enhance his written and oral communication presentations.	Analysis/creation	1 to 10	
CO5	Develop individual confidence to handle various assignments and expose themselves to acquire life skills to meet societal challenges	Analysis/creation	1 to 10	
		TOTAL		39 Hours

MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

Course	Programme Outcome									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	Basic knowledge	Discipline knowledge	Experiments practice	Engineering Tools	Engineer and society	Environment & Sustainability	Ethics	Individual and Teamwork	Communication	Life long learning
PROJECT WORK	3	3	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.

1. PROJECT WORK:

39 HRS

A. INTRODUCTION

The objective of the project work is to enable the students in convenient groups of minimum of 5 members on a project involving theoretical and experimental studies related to the branch of study. Every project work shall have a guide who is the member of the faculty of the institution. Six periods per week shall be allotted in the time table and this time shall be utilized by the students to receive the directions from the guide, on library reading, laboratory work, computer analysis or field work as assigned by the guide and also to present in periodical seminars on the progress made in the project.

B. ROAD MAP FOR THE PROJECT

1. Carry out a session or a seminar from the ISTE Student Chapter coordinator / Programme coordinator with the help of Innovation club / I I I cell for directing the students to identify project areas in the field of their interested including interdisciplinary areas.
2. Power point presentation in seminar should include detail description of project areas related to program, Project report formats, developing personnel writing skills.
3. The Students/Departments may at liberty to form the batch not less than 5 and maximum 8 and get registered with project coordinator/HOD at the end of V semester.
4. Students should take the approval from the Project committee/ Head of department for doing project.
5. After approval the batch of students will be published in department notice board along with guide in the end of 5th semester.
6. All students should finalize their Project immediately before commencement of SEE of 5th semester.
7. The types of project may include:
 - ∑ Industrial case study
 - ∑ Preparation of a feasibility report
 - ∑ Creation of New facilities

8. The project should be challenging but manageable within the resources and time available.
9. Students should undergo reviews for one time in 5th and one time in 6th semester during the internal assessment. Time table for IA should include project review. The guide should monitor the progress of Project work periodically and it should be finally evaluated for 25 marks at the end of 5th semester and for 25 marks at the end of 6th semester.
10. The IA marks will be evaluated based on oral presentation and assessment by the internal guide by adopting Rubrics being developed by Project committee.
11. Real time problems, Industry related problems, should be chosen and it is a Responsibilities of the project committee / Programme coordinator/ Innovation club / I.I.T. cell to choose the appropriate project and to accept the Project Proposal
12. **Identification of Topic:** The selection of topic is of crucial importance. It should be field of interest. It is advisable to choose the project that can be completed on time and within the budget and resources. The topic should be clear, directional, focussed and feasible.
13. An outline of project proposal submitted & synopsis from student will initiate a dialogue between Student and Project coordinator who will then help you to work on the chosen topic and report.

C. Industrial visit

Students are required to undergo an industrial visit for period of at least 3(Three) working days, in V semester only. After completion of their visit the reports should be prepared. Each Student should write the report independently in view of his own observation in industry. All days for the visit should be accounted for clearly giving attendance particulars. The concern accompanying staff is to check student presence and access progress periodically

D. Industrial report

Students are required to submit a comprehensive report on factory visit with details of the organization where the training was undergone. The comprehensive report should focus on study of plant/ product /process/ along with intensive in-depth study on anyone of the topics such as processes, methods, tooling, plant layout and equipment, highlighting aspects of quality, productivity of the system. Any data, drawings etc should be incorporated with the consent of the Organization. The comprehensive report should be submitted for the end exam for evaluation.

E. Thrust areas identified for Project work

Each student may be assigned any one of the following types of project/thesis work:

According to the local needs, the following major projects are suggested:

1. Weaving Sector
2. Textile industry / garment manufacturing /embroidery / textile printing and dyeing units.
3. Spinning Mills
4. Cottage / Small Scale Industry
5. Knit wear industry

F. Course Assessment and Evaluation Scheme for Project work

	What		To whom	When/Where (Frequency in the Marks course)	Max	Evidence collected	Course outcomes
Direct Assessment met	CIE	A	Students	At the end of 5 semester)	25	1. Project Synopsis. 2. Plan & Schedule 3. Industrial visit report	CO1, CO2, CO3,CO4,CO5
	SEE	End Exam		End of the course	Project report project model/Study report		
Indirect Assessment	Student Feedback on course		Students	Middle of the course		Feedback forms	CO1 Delivery of course
	End of Course Survey			End of the course		Questionnaires	CO1 to CO5 Effectiveness of Delivery of instructions & Assessment Methods

*CIE – Continuous Internal Evaluation

*SEE – Semester End Examination

G. Project report

The Project Report should consist of following items.

1. Introduction
2. Review of Literature
3. Study Area
4. Methodology/Design/fabrication/Tests
5. Result and Discussion
6. Conclusion and scope for future study
7. References.

1. Project reports should be typed neatly in Times New Roman letters with font size 14 for titles and 12 for text on both sides of the paper with 1.5 line spacing on a A4 size paper (210 x 297 mm). The margins should be: Left - 1.5", Right - 1", Top and Bottom - 0.75".

2. The total number of reports (**Soft bound**) to be prepared are

- ← One copy to the department /library
- ← One copy to the concerned guide(s)

← One copy to the candidate.

3. Before taking the final printout, the approval of the concerned guide(s) is mandatory and suggested corrections, if any, must be incorporated.

4. Every copy of the report must contain

☞ Inner title page (White)

☞ Outer title page with a plastic cover

☞ Candidate declaration and Certificate in the format enclosed both from the institution and the organization where the project is carried out.

☞ An abstract (synopsis) not exceeding 100 words, indicating salient features of the work.

5. The organization of the report should be as follows

1. Inner title page 2. Abstract or Synopsis 3. Acknowledgments 4. Table of Contents 5. List of table & figures (optional)	Usually numbered in Roman
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Chapters(to be numbered in Arabic) containing Introduction-, which usually specifies the scope of work and its importance and relation to previous work and the present developments, Main body of the report divided appropriately into chapters, sections and subsections.

The chapters, sections and subsections may be numbered in the decimal form for e.g. Chapter 2, sections as 2.1, 2.2 etc., and subsections as 2.2.3, 2.5.1 etc.

The **chapter must be left or right justified (font size 16)**. Followed by the **title of chapter centred (font size 18)**, **section/subsection numbers along with their headings must be left justified with section number and its heading in font size 16** and **subsection and its heading in font size 14**. The **body or the text** of the report should have font size 12.

The figures and tables must be numbered chapter wise

The last chapter should contain the summary of the work carried, contributions if any, their utility along with the scope for further work.

Reference or Bibliography: The references should be **numbered serially** in the order of their occurrence in the text and their numbers should be indicated within square brackets for e.g. [3].

Separator sheets, used if any, between chapters, should be of thin paper

H. CIE ASSESSMENT FOR FIRST REVIEW (V Semester)

1	Project Identification	05 marks
2	Project Synopsis	10 mark
3	Industrial Visit & Report	10mark
TOTAL		25 Marks

MODEL OF RUBRICS FOR ASSESSING REVIEWS OF PROJECT FOR CIE

Student name	Reg no	Dimension	Scale				Students Score							
			Needs Improvement	Developing	satisfactory	Good	Exemplary	1	2	3	4	5		
		Collection of data	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collect much information; but very limited relate to the topic	Collects some basic information; most refer to the topic	Collects a great deal of information; all refer to the topic							
		Fulfill team's roles & duties	Does not perform any duties assigned to the team role	Performs very little duties but unreliable	Performs very little duties	Performs nearly all duties	Performs all duties of assigned team roles							
		Shares work equally	Always relies on others to do the work	Rarely does the assigned work; often needs reminding	Usually does the assigned work; rarely needs reminding	Normally does the assigned work	Always does the assigned work without having to be reminded.							
		Listen to other Team mates	Is always talking; never allows anyone else to speak	Usually does most of the talking; rarely allows others to speak	Talks good; but never show interest in listening others	Listens, but sometimes talk too much	Listens and speaks a fair amount							
			Grand Average/Total											

APPENDIX 1 (Cover page)

(A typical Specimen of Cover Page)

TITLE OF PROJECT REPORT

<1.5 line spacing>

A PROJECT REPORT

Submitted by

<Italic>

NAME OF THE CANDIDATE(S)

in partial fulfillment for the award of the diploma

of

<1.5 line spacing><Italic>

**DIPLOMA IN APPAREL DESIGN AND FABRICATION
TECHNOLOGY PROGRAMME**

IN

DEPARTMENT OF APPAREL DESIGN AND FABRICATION TECHNOLOGY

LOGO

NAME OF THE COLLEGE

DEPARTMENT OF TECHNICAL EDUCATION

BENGALURU-560001

<1.5 line spacing>

Year of submission: (MONTH & YEAR)

APPENDIX 2 (Title page)

(A typical Specimen of Title Page)

A Project Report
on

<TITLE OF THE PROJECT WORK>

Submitted for partial fulfilment of the requirements for the award of the
of

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY

**BY
BATCH**

<Mr. / Ms. Name of the Student (Roll No.)>

<Mr. / Ms. Name of the Student (Roll No.)>

<Mr. / Ms. Name of the Student (Roll No.)>

<Mr. / Ms. Name of the Student (Roll No.)>

<Mr. / Ms. Name of the Student (Roll No.)>

Under the guidance of

<Name of the Staff>

Lecturer

Department of ADFT

GPT, Place-----

LOGO

Department of Apparel Design and Fabrication Technology

<<NAME OF INSTITUTE>>

<<ADDRESS OF INSTITUTE>>

APPENDIX 3 (Certificate)

(A typical specimen of Bonafide Certificate)

**DEPARTMENT OF TECHNICAL EDUCATION
BENGALURU-560001**

BONAFIDE CERTIFICATE

Certified that this project report “.....**TITLE OF THE PROJECT**.....”is the bonafide work of “.....**NAME OF THE CANDIDATE(S)**.....”who carried out the project work under my supervision.

<<Signature of the Head of the Department>>

<<Signature of the Project coordinator>>

SIGNATURE

SIGNATURE

<<Name>>

<<Name>>

HEAD OF THE DEPARTMENT

PROJECT CO-ORDINATOR

<<Academic Designation>>

<<Department>>

Department of ADFT

<<Full address of the Dept & College >>
College >>

<<Full address of the Dept &

Examiners 1.....<<Signature, Name, Designation& Address>>.....

Examiners 2.....<<Signature, Name, Designation& Address>>.....

APPENDIX 4 (Candidate declaration)

CANDIDATE'S DECLARATION

I, -----a student of Diploma in ----- Department
bearing Reg No----- of ----- hereby
declare that I own full responsibility for the information, results and conclusions provided in this
project work titled “-----“submitted
to **State Board of Technical Examinations, Government of Karnataka** for the award of Diploma
in -----.

To the best of my knowledge, this project work has not been submitted in part or full elsewhere in any
other institution/organization for the award of any certificate/diploma/degree. I have completely taken
care in acknowledging the contribution of others in this academic work. I further declare that in case
of any violation of intellectual property rights and particulars declared, found at any stage, I, as the
candidate will be solely responsible for the same.

Date:

Place:

--

Signature of candidate

Name: -----

Reg No-----

APPENDIX 5 (Certificate issued by guide)

DEPARTMENT OF TECHNICAL EDUCATION

NAME OF THE INSTITUTION

Address with pin code

Department of

CERTIFICATE

Certified that this project report entitled -----
-----”which is being
submitted by Mr./Ms., Reg. No....., a
bonafide student ofin partial fulfilment for the award of
Diploma in ----- Engineering during the year is record of
students own work carried out under my/our guidance.It is certified that all
corrections/suggestions indicated for internal Assessment have been incorporated in the
Report and one copy of it being deposited in the polytechnic library.

The project report has been approved as it satisfies the academic requirements in respect of
Project work prescribed for the said diploma.

It is further understood that by this certificate the undersigned do not endorse or approve any
statement made, opinion expressed or conclusion drawn there in but approve the project only
for the purpose for which it is submitted.

Guide(s)

Name and signature

Examiner 1
2

Head of Department

APPENDIX 6

Format of Synopsis


1. Title of the Project
2. Objectives of the study
3. Rationale for the study
4. Statement of the Problem
5. Detailed Methodology to be used for carrying out the study
6. The expected contribution from the study (to perform any laboratory experiments)
7. List of activities to be carried out to complete the project (with the help of a bar chart showing the time schedule)
8. Places/labs/equipment and tools required and planning of arrangements
9. Problems envisaged in carrying out the project, if any.
10. Brief description of project in 100 words



APPENDIX-7 (PROJECT-TIME LINE)

SL.No	TASK	Responsibility	END OF V SEMESTER					VI SEMESTER																			
			11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
	WEAKS																										
1	Industrial visit	Students/Faculty	█																								
1	Seminar regarding Project work	Project Com/HOD		█																							
2	Batch formation &Guide allocation	HOD			█																						
3	Identification of project	Students/Guide				█																					
4	Project synopsis Submission	Students					█																				
5	Finalisation of Project	Students/Guide					█																				
6	Literature survey	Students/Guide						█																			
7	Identification of facility to do PW	Guide							█	█																	
8	Study/Fabrication/design of model	Students/Guide									█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
9	Results discussion/performance testing	Students																								█	█
10	Review of Project work by guide	Students																									█
11	Project report submission	Students/Guide																									█

Government of Karnataka
Department of Technical Education
Board of Technical Examinations, Bangalore

	Course Title: INPLANT TRAINING (AD & FT Stream)		
	Scheme (L:T:P) : 0:0:4	Total Contact Hours: 52	Course Code: 15FT58P
	Type of Course: Periodical Exposure and working in industrial environment	Credit :- 02	Core/ Elective: Core(practice)
CEE: 25 Marks			

Prerequisites: Enthusiasm to Explore New things by participating in individual tasks available in outside industrial learning environment and acquires skills from participating in such activities.

Course Objectives:

An In plant training is a learning opportunity for students. Students should therefore receive feedback on their performance so that they can grow professionally. Overall professional development of diploma is the need of the day for enabling them to sustain in competitive global environment.

COURSE OUTCOME

On successful completion of the course, the students will be able to:

Course Outcome		CL	Linked PO	Allotted hours
CO1	Exposure to the industrial environment and Recognize the requirement of the industry and cope up with the industrial scenario	Application/Analysis/Innovative	2 to 10	4hrs/week
CO2	Identify career paths taking into account their individual strengths and aptitude and Prepare a report about the work experience in industry	Application/Analysis/Innovative	2 to 10	
CO3	Communicate effectively through technical presentation.	Application/Analysis/Innovative	2 to 10	
CO4	Enhancing the employability skills and start-up skills to increase his/her ability to engage in, life-long learning.	Application/Analysis/Innovative	2 to 10	
CO5	Develop individual confidence to handle various assignments and expose themselves to acquire life skills to meet societal challenges	Application/Analysis/Innovative	2 to 10	
TOTAL				52 Hours

COURSE-PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
INPLANT TRAINING	0	3	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.

1. In plant training:

52 HRS

A. Introduction

1. In-plant training means a course of training in any industry or establishment undergone by the student of final year diploma in Apparel Design and Fabrication Technology in pursuance of memorandum of understanding between industry and department of the concerned institute or department can make necessary arrangements in the local vicinity industries to expose their students for industry learning environment.
2. Industry means any industry or business in which any trade, occupation or subject field in technology may be specified as a designated trade. Establishment includes any place where any industry is carried on.
3. The period of in-plant training will be the period of one semester term for the subject. The student can be sent to an industry for one day in a week or for fixed term as the case may be. The period of training and other modalities will be decided by the respective department head in consultation with local industry authorities.

B. The Industries where in plant training can undergone

1. The Guide allotted by the department head have liberty to select nearby organization/industry of local vicinity with prior approval of principal of the institute. Structured training to be arranged by guide and report of the same shall be submitted by the individual student, to full fill their term work.
2. The Apparel Design and Fabrication technology diploma students can take in plant training in any one of the following industries.
 1. Weaving Sector
 2. Textile industry
 3. Garment manufacturing Unit
 4. Embroidery Unit
 5. Textile Printing And Dyeing Units.
 6. Spinning Mills
 7. Cottage Industry
 8. Small Scale Industry
 9. Knit wear industry
 10. Silk Industry

C. Obligation on students

1. To learn his/her subject field in Apparel Technology conscientiously and diligently at his place of training.
2. To carry out all orders of his Employer and the Superior in the establishment.
3. To abide by the Rules and Regulations of the Industry/Establishment in all matters of conduct and discipline.

4. The student shall maintain a report of their work during the period of in-plant training in a Performa Annexure-1
5. They are required to complete in-plant training in a given period.
6. During this period, they shall be familiar with the understanding of the shop process and activities.
7. The students can be asked to solve the mini-shop problem, which will make them think and try out short experiments as an improvement in the process, tools and equipment.

D. Monitoring of In-Plant Training

1. The department Head will make the batches in group of students. The faculty will made in charge of supervising and monitoring the activity of the group
2. The faculty and Industry supervisor will work out a suitable arrangement to review the progress of the work from time to time. The department Head should monitor the progress of in-plant training in association with industry authority.
3. Every student undergoing in-plant training in the respective branch in any Establishment shall be treated as a trainee. The provision of any law with respect to labour will not apply to such a trainee
4. It shall not be obligatory on the part of the Employer / Industry to offer any stipend and other welfare amenities available, if any, to the students undergoing in-plant training. However, if the industry desires to do so, it will be a privilege for the students

E. Scheme of valuation

1. CIE only

SL No	Particulars	Marks
1	Involvement in plant training	05
2	Assessment of the term work	10
3	Seminar performance	05
4	Viva	05
TOTAL		25

Course Assessment and Evaluation Scheme:

	What	To whom	When/Where (Frequency in the course)	Max Marks	Evidence collected	Course outcomes
Direct Asses sment	CIE	Students	CIE	25	Report	1,2,3,4,5
	IA					
Indirect Assessment	Student Feedback on course	Students	Middle of the course		Feedback forms	1,2,3 Delivery of course
	End of Course Survey		End of the course		Questionnaires	1,2,3, Effectiveness of Delivery of instructions & Assessment Methods

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

1. Student activities report for 25 marks
2. Student feedback on course regarding Effectiveness of Delivery of instructions & Assessment Methods.

ANNEXURE1

(To be issued in the company's Letterhead)

**INPLANT TRAINING EVALUATION FORM
FOR THE STUDENTS OF FINAL YEAR DIPLOMA IN ADFT**

Date:

1. Name of the Student: -----
2. Reg. No:-----
3. Father's Name :-----
4. Branch : -----
5. In plant training Offered: -----
6. Duration: From----- To-----

A. Evaluation of the Student may be done with the following letter grades.

The grade point for the letter grades is given below.

Grades	A	B	C	D	E (low)
Points	5	4	3	2	1

B. Assessment parameters

Sl NO	Parameters	Grades awarded
1	Knowledge Acquired During Internship	
2	Ability to use Techniques and Methods Appropriate for Assignments	
3	Ability to Display the Technical Skills required	
4	Ability to Organize, Classify and Deliver the job	
5	Perseverance to Complete the job	
6	Takes Initiative and Works with Minimal Supervision	
7	Attendance and Punctuality	
8	Ability to Establish Positive Relationships with the Managers and Peers	
9	Personal Conduct and Behavior	
10	Ability to Cope Up with the Stressful Situations	

C. Department (s) / Section (s) where the In Plant Trainee was Accommodated:

SL NO	Department (s)/Section(S)	Type of Work	Period	
			From	To

7. Areas where student excels:

8. Areas where student needs to improve:

9. Areas where student gained new skills, insights, values, confidence, etc.:

10. Did student demonstrate continued progress throughout the internship term.

11. Was student's academic preparation sufficient for this internship?

12. Additional comments or suggestions for the student

11	Overall Evaluation of the in plant trainee Performance	Grade Awarded

Name / Signature of Officer In-charge (Training) :

Authorized Signatory :

ANNEXURE 2
REPORT ON INPLANT TRAINING
FORMAT FOR PREPARATION OF TRAINING REPORT
(Four Weeks/Six Weeks/ Six Months)

ARRANGEMENT OF CONTENTS:

The sequence in which the training report material should be arranged and bound as follows:

1. Cover Page
2. Inner Title Page (Same as cover page)
3. Certificate by Company/Industry/Institute
4. Acknowledgement
5. About Company/industry/institute
6. Table of Contents
7. List of Tables
8. List of Figures
9. Abbreviations and Nomenclature(If any)
10. Chapters
11. References
12. Data Sheet(If any)
13. Appendices (If any)

The tables and figures shall be introduced in the appropriate places.

TYPING INSTRUCTIONS:

1. The In plant training report must be submitted in Two Copies (one for department and 2nd for library) duly signed by the HOD. Students should also submit the soft copy on CD in PDF format in the library.
2. The length of the training report may be about 40 to 50 page.
3. The training report shall be computer typed (English- British, Font -Times Roman, Size-12 point) and printed on A4 size paper.
4. The training report shall be hard bound with cover page in Maroon color. The name of the students, degree, duration of training period, institute name shall be printed in **Bold Black** letters on the cover page

5. The training report shall be typed with 1.5 line spacing with a margin 3.5 cm on the left, 2.5 cm on the top, and 1.25 cm on the right and at bottom. Every page in the report must be numbered. The page numbering, starting from acknowledgements and till the beginning of the introductory chapter, should be printed in small Roman numbers, i.e, i, ii, iii, iv..... The page number of the first page of each chapter should not be printed (but must be accounted for). All page numbers from the second page of each chapter should be printed using Arabic numerals, i.e. 2,3,4,5... All printed page numbers should be located at the bottom centre of the page.
6. In the training report, the title page [Refer sample sheet (inner title pager)] should be given first and printed in black letters.
7. **The table of contents** should list all headings and sub-headings. The title page and certificates will not find a place among the items listed in the Table of Contents. One and a half line spacing should be adopted for typing the matter under this head.
8. **The list of tables** should use exactly the same captions as they appear above the tables in the text. One and a half spacing should be adopted for typing the matter under this head.
9. **The list of figures** should use exactly the same captions as they appear below the figures in the text. One and a half spacing should be adopted for typing the matter under this head.
10. The list of symbols, abbreviation & nomenclature should be typed with one and a half line spacing. Standard symbols, abbreviation etc should be used.
11. Training report should consist of following chapters.
 - a. Chapter 1- Introduction
 - b. Chapter 2- Details of department/Areas where the student undergone training (It will be divided into several chapters and each chapter should be numbered separately. A chapter may be further divided into several divisions and sub-divisions depending on the content)
 - c. Chapter 3- PO/Skills attained by training.
 - d. Chapter 4- Conclusion by the student

APPENDIX-3 (INPLANT-TRAINING-TIME LINE)

SL.No	TASK	Responsibility	Vacation in between V SEM-VI SEM /During the term VI SEMESTER (Not less than 2 weeks continuously)/ During-V SEMESTER (Every Saturday in a week)														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	WEEKS /DAYS	HOD															
1	Seminar regarding In plant training	HOD															
2	Batch formation & Guide allocation	HOD															
3	Identification of Factory	Guide															
4	Permission from Factory authorities	Students															
5	Schedules of In plant training	Students/Guide															
6	INPLANT TRAINING	Students/Guide															
7	Review of Training by guide	Students															
8	Report submission	Students/Guide															

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
SIXTH SEMESTER

	Course Title: ADVANCED PATTERN ILLUSTRATION -VI		
	Credits (L:T:P) : 4:0:0	Total Contact Hours:52	Course Code: 15FT61T
	Type of Course: Lectures, Self Study & Quiz	Credit :04 SEE- 100 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisite: Knowledge of pattern making

Course Objectives:

1. **Modify the basic patterns**
2. **To transfer various pattern technique on garments**
3. **Manipulate the darts and tucks**
4. **Assemble the components using draping method**
5. **Create garments using draping technique.**

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	Modify the basic patterns using different techniques.	U/A	1,2,3,5,7,8,9,10	06 hrs
CO2	To transfer various pattern technique on garments	U/R/A	1,3,5,6,8,9,10	12 hrs
CO3	Study of dress forms for draping techniques.	U/R/A	2,4,6,7,9,10	10 hrs
CO4	Assemble the components using draping method	U/R/A	3,4,5,7,9,10	06 hrs
CO5	Create garments using various draping technique.	U/R/A	2,4,5,6,8,9,10	6 hrs
CO6	Create garments using draping technique	U/R/A	3,4,6,7,9,10	12 hrs

COURSE-PO ATTAINMENT MATRIX

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

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			Mark weightage (%)
			R	U	A	R	U	A	
1	DART MANIPULATION (Flat pattern Technique)	06	-	-	1	1	-	-	11.53
2	STUDY OF GARMENTS (Flat pattern Technique)	12	-	1	1	-	1	1	23.07
3	DRAPING (Draping technique)	10	-	1	1	-	1	1	19.23
4	BASIC PATTERN (Draping technique)	06	1	-	-	1	-	-	11.53
5	DART – PLEATS- TUCKS (Draping technique)	06	-	-	1	1	-	1	11.53
6	STUDY OF DRAPING METHOD (Draping technique)	12	1	-	1	1	1	-	23.07
	TOTAL	52	09 (45marks)			10 (100 marks)			100

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

CONTENT

Unit	Major Topics	Hours Allotted
1	STUDY OF BASIC BLOCKS AND ADOPTATION METHOD	12 Hrs
2	STUDY OF GARMENTS (Flat pattern Technique)	12 Hrs
3	DRAPING (Draping technique)	06 Hrs
4	BASIC PATTERN (Draping technique)	06 Hrs
5	DART – PLEATS- TUCKS (Draping technique)	04 Hrs
6	STUDY OF DRAPING METHOD (Draping technique)	12 Hrs
	Total	52 hrs

UNIT-I

STUDY OF BASIC BLOCKS AND ADAPTATION METHOD

INTRODUCTION TO FLAT PATTERN TECHNIQUE

12 HRS

- 1.1 Study of the following basic block patterns for women's garments- Front, Back, Sleeves and skirt block
- 1.2 Introduction to Dart manipulation ---slash and spread technique, pivotal method
- 1.3 Adaptation of block pattern into style lines—classic princess, panel, Insertion of pleats, tucks, Front cowl, back cowl and sleeve cowl

UNIT-II

STUDY OF GARMENTS (Flat Pattern Technique)

12 HRS

- 2.1 Detailed study of the following garments by flat pattern technique
- 2.2 Evening gown -- cowls, gathers,
- 2.3 Draped wrap skirt with cascade
- 2.4 Jacket with hood
- 2.5 Jump suit for girls

UNIT-III

DRAPING (Draping technique)

6 Hrs

- 3.1 Introduction to draping
- 3.2 Study of equipments and Dress forms
- 3.3 Study of Grain
- 3.5 Preparation of dress forms for draping
- 3.4 Preparation of muslin for draping-Tearing, blocking, pressing

UNIT- IV

BASIC PATTERN (Draping Technique)

6 Hrs

- 4.1 Draping steps
- 4.2 Marking
- 4.3 Truing
- 4.4 Method of draping of front and back body
- 4.5 Method of draping skirt

UNIT- V

DART – PLEATS, TUCKS (Draping technique)

4 Hrs

- 5.1 Dart manipulation-Bustling dart, neck line dart
- 5.2 Insertion of pleats, tucks and cowl in bodice

UNIT-VI

STUDY OF DRAPING METHOD (Draping technique)

12 Hrs

- 6.1 Dirndl and Peg skirt
- 6.2 Ladies top with yoke
- 6.3 Gown with princess line

NOTE: 1) GARMENTS LISTED UNDER UNIT II AND UNIT VI DESIGNING TO BE DONE USING 10 ½ & 12 ½ HEAD CROQUIS

2) FOLDERS TO BE PRODUCED AT THE END EXAM FOR PRACTICAL

SEMINAR

Each student to select one of the following topics for the seminar (no group should repeat topic)

1. E-Fitting
2. Dress Forms
3. Draping technique
4. Check measurements for ladies garment
5. **Flat Pattern Technique**
6. Adaptation of block pattern

Indicative Reference:

1. Clothing Appearance And Fit - By Fanj, Yu Wand Hunterl
2. Sizing In Clothing –By Ashdown S.P
3. Pattern Making For Fashion Design-By Helen Joshep,Armstrong
4. Metric Pattern Cutting For Men’s Wear-Byblack Well Publication
5. Pattern Making And Making Up –The Professional Approach-By Marten Shoben
6. Dress Fitting-By Natalie Bray Black Well Science Publication
7. Dress Pattern Designing - By Natalie Bray Black Well Science Publication

Related 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://www.youtube.com/watch?v=ujSMcgJDYus>

<https://www.youtube.com/watch?v=2sC5h329w2g>

<https://www.youtube.com/watch?v=2sC5h329w2g>

<https://www.youtube.com/watch?v=dA19jhsRyYw>

<https://www.youtube.com/watch?v=dgM58WczBZc>

<https://www.youtube.com/watch?v=6ZVEAXmupEo>

<https://www.youtube.com/watch?v=fAEuGQW0QUo>

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	1 to 6
		Class room Assignments		Class room Assignments	05	Log of Activity	1 to 6
				TOTAL	25		
	SEE - SEMESTER END EXAMINATION	End Exam		End Of the Course	100	Answer Scripts	ALL CO's
INDIRECT ASSESSMENT METHODS	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 IA verifier: The following documents to be verified by CIE verifier at the end of semester

1. Blue books (20 marks)
2. Student suggested activities report for 5 marks evaluated through appropriate rubrics.
3. Student feedback on course regarding Effectiveness of Delivery of instructions & 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
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. Fulfill 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	
I test /6 th week 10-11 a m	VI SEM	ADVANCED PATTERN ILLUSTRATION	20	
	Year: 2017-18	Course code:15FT61T		
Name of Course coordinator :		Units:1,2 Co: 1 & 2		
Note: Answer all questions				
Q.#	Question	CL	CO	PO
1	Describe Slash technique with neat sketch	A	1	1,2,3,5,7,8,9,10
2	Describe with a neat sketch the adaptation of bodice block into princess style line	U/A	1	1,2,3,5,7,8,9,10
	OR			
	With neat sketch explain dart manipulation	A	1	1,2,3,5,7,8,9,10
3	Explain the method of inserting pleats in the bodice	A	2	1,3,5,6,8,9,10
	OR			
	Write the steps for creating basic front Cowl body	A	2	1,3,5,6,8,9,10
4	Illustrate the gathers, pleats and tucks in basic bodice	U/A	2	1,3,5,6,8,9,10

**QUESTION BANK
PART-A**

Q.NO	DESCRIPTION	CL	CO'S
1	Describe Slash technique with neat sketch	A	1
2	Describe with a neat sketch the adaptation of bodice block into princess style line	A	1
3	Explain the method of inserting pleats in the bodice	A	2
4	Write the steps for creating basic front Cowl body	R/A	2
5	Define draping and explain	R/A	3
6	Enlist the equipments used in draping	A	3
7	Write the preparation of Muslin for draping	A	4
8	Describe draping steps	A	4
9	Define dart manipulation and explain	A	5
10	Write the procedure of manipulating neck line dart	R/A	5
11	Explain the method of draping front part of Drindl skirt	A	6
12	Draw the style feature of princess line gown and color it neatly	A	6

PART-B

Q.NO	DESCRIPTION	CL	CO'S
1	With neat sketch explain dart manipulation	R/A	1
2	Describe the method of drafting cowl with neat sketch	A	1
3	Construct a Jacket with hood using basic block	A	2
4	Illustrate the gathers, pleats and tucks in basic bodice	R/A	2
5	Explain the preparation for draping on a dress form.	A	3
6	Describe the terms trueing, Blocking and pressing	A	3
7	Write the draping steps for front bodice	U/A	4
8	With a neat sketch explain the method of draping a skirt	A	4
9	Describe the method of inserting pleats in draping method	A	5
10	Explain the process of draping cowl bodice on a dress form.	A	5
11	Describe the method of draping a ladies top with yoke	A	6
12	With a neat sketch explain the method of draping a gown	R/A	6

MODEL QUESTION PAPER

PART-A

ANSWER ANY SIX QUESTIONS, EACH QUESTION CARRIES FIVE MARKS


Q.NO	DESCRIPTION	CL	CO'S
1	Describe Slash technique with neat sketch	A	1
2	Explain the method of inserting pleats in the bodice	A	2
3	Write the steps for creating basic front Cowl body	R/A	2
4	Define draping and explain	A	3
5	Enlist the equipments used in draping	R	3
6	Write the preparation of Muslin for draping	U/A	4
7	Define dart manipulation and explain	A	5
8	Explain the method of draping front part of Drindl skirt	A	6
9	Draw the style feature of princess line gown and color it neatly	A	6

PART-B

ANSWER ANY SEVEN QUESTIONS, EACH QUESTION CARRIES TEN MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	With neat sketch explain dart manipulation	A	1
2	Draft a evening gown with cowl bodice	A	1
3	Draft a Jacket with hood using basic block	A	2
4	Illustrate the gathers, pleats and tucks in basic bodice	R/A	2
5	Explain the procedure for draping on a dress form	A	3
6	Describe the terms Tearing, Blocking and pressing	A	3
7	Write the draping steps for front bodice	R/A	4
8	Describe the method of inserting pleats in draping method	A	5
9	Describe the method of draping a ladies top with yoke	A	6
10	With a neat sketch explain the method of draping a gown	R/A	6

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
SIXTH SEMESTER

	Course Title: FASHION MERCHANDISING & RETAIL MANAGEMENT		
	Credits (L:T:P) : 4:0:0	Total Contact Hours:52	Course Code: 15FT62T
	Type of Course: Lectures, Self Study & Quiz	Credit :04 SEE- 100 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of Basic Professional Skills in merchandising & retail management

COURSE OBJECTIVES

1. Analyze the role of merchandiser
2. Identifying and evaluate the sources of supply.
3. Summarize the importance of visual merchandising
4. Inculcate different methods of display
5. Adopt different types of marketing and retailing procedure

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	Correlate the merchandising process.	U/A	3,4,5,7,8,9,10	09
CO2	Justify and evaluate the sources of supply	U/R/A	3,5,7,8,9,10	09
CO3	Create and justify the importance of visual merchandising	U/R/A	3,4,5,7,8,9,10	09
CO4	Advertise in planning the display	U/R/A	3,4,5,7,8,9,10	09
CO5	Compare the marketing values	U/R/A	3,4,5,7,8,9,10	08
CO6	Analyzing retailing concept	U/R/A	3,4,5,7,8,9,10	08

COURSE-PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
FASHION MERCHANDISING & RETAIL MANAGEMENT	0	0	3	3	3	0	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.

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			Mark weightage (%)
			R	U	A	R	U	A	
1	MARKETING	09	-	1	-	-	-	1	17.30
2	FASHION MARKETING AND FORECASTING	09	-	1	1	-	1	1	17.30
3	FASHION SHOWS	09	1	-	-	-	-	1	17.30
4	VISUAL MERCHANDISING	09	-	1	1	-	1	1	17.30
5	STORE PLANNING AND DISPLAY	08	-	1	1	-	1	1	15.38
6	FASHION RETAIL	08	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	MARKETING	09 hrs
2	FASHION MARKETING AND FORECASTING	09 hrs
3	FASHION SHOWS	09hrs
4	VISUAL MERCHANDISING	09 hrs
5	STORE PLANNING AND DISPLAY	08 hrs
6	FASHION RETAIL	08 hrs
	Total	52 hrs

UNIT-I

MARKETING

9 Hrs

- 6.1 Introduction and definition
- 6.2 Factors influencing marketing concept
- 6.3 Market segment
- 6.4 Classification of market-domestic, national, international and E-market
- 6.5 Marketing mix and product mix
- 6.6 Range planning
- 6.6 Study of 4 P's - product, price, place, promotion
- 6.7 COSTING AND PRICING STRATEGIES (Costing principles-cost of goods-direct materials, direct labor, manufacturing overhead), (Costing strategies-direct costing, absorption, and activity based, blended) , (Pricing strategies—rigid calculation, subjective pricing)

UNIT- II

FASHION MARKETING AND FORECASTING

9 Hrs

- 2.1 Introduction
- 2.2 Size and structure of fashion market – micro and macro
- 2.3 Market Weeks – Trade Fairs, fashion fairs, Fair growth.
- 2.4 Development of Fashion forecasting process
- 2.5 Forecast reports: - Fibre, Fabric and colour.
- 2.6 Short and Long term forecasting

UNIT- III

FASHION SHOWS

9 Hrs

- 6.1 Introduction to Fashion Shows
- 6.2 Arranging an Fashion event
- 6.3 Theme of the Show
- 6.4 Selection of Models
- 6.5 Advertising and Media planning

UNIT- IV

VISUAL MERCHANDISING

9 Hrs

- 4.1 Introduction to sourcing
- 4.2 The phases of sourcing-
- 4.3 Selection of buyers, Buying house, buying agency
- 4.4 Role of merchandiser in apparel industry
- 4.5 Merchandising Calendar and Display calendar
- 4.6 Elements of visual merchandising
- 4.7 Qualities of a visual merchandiser

UNIT-V

STORE PLANNING AND DISPLAY

8 Hrs

- 5.1 Fixtures used in store planning
- 5.2 Types of mannequins
- 5.3 Study of props
- 5.4 Types of signage
- 5.5 Graphics
- 5.6 Color, store lighting , music
- 5.7 Window display—window glass, side walls

UNIT-VI

FASHION RETAIL

8 Hrs

- 1.1 Introduction
- 1.2 Scope and Importance
- 1.3 Types of stores – Departmental, Speciality and chain stores
- 1.4 Channels of distribution – Designer shops, outlet
- 1.5 Consumer service, Human resource, Sales methods and Competition
- 1.6 E -Tailing

SEMINAR

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

1. Merchandising Management
2. Types of sourcing
3. Export Import Documentation
4. International Fashion Designers
5. Fashion Centres

Indicative Reference:

1. Fashion Marketing, Mike Easey 1995, Oxford University press to Wynford Drive, Don Mills, Ontario.
2. Introduction to Fashion Design, Patrick John Ireland, 1992, B.T Batsford Ltd., 583, Fullham Road, London.
3. Fashion Design & Product development, Haroldcars/ John Pomeroy, 1992, Black Well Science, Inc., 238, Main Street, Cambridge.
4. Marketing, R.S.N. Pillai and Bagavathi, S. Chand & Co Ltd Newdelhi – 1987.
5. Marketing Principle and methods by Philip C.F and Duneon D.T, Irwin publications.
6. Principles of Marketing by Backman T.N. Maynard H.H and Davidson W.R, Ronald Press Company New York 1970.
7. Fashion Marketing by John Fayer Weather.
8. Retail Fashion Promotion and Advertising. New York, Macmillan Berman,
9. Retail Management. New Jersey, Prentice Hall • Lucas, G. H. (1996), Retail Management,
10. Kotler, Philip, Marketing Management
11. Fundamentals of Marketing – Stanton, William J. & Walker, Bruce, - TataMcGrawHill

12. Fashion Marketing – Mike Easey ed. – Oxford, Blackwell Science Ltd. ♣

13. A. Jeannette Jarrow, Miriam Guerreiro and Beatrice Judelle, "Inside the Fashion Business",.

Dickerson, Kitty G., "Inside the Fashion Business", Pearson Education Asia Publishing, 2004.

14. Frings, Gini Stephens, "Fashion: From Concepts to Consumer", Prentice-Hall of India, 8th edition, 2004.
15. Visual Merchandising and display – Martin M pegler

Related e –References:

<https://www.youtube.com/watch?v=sNcpVcM5-h0>
<https://www.youtube.com/watch?v=tOjkQfzE0mY>
<https://www.youtube.com/watch?v=ik-yuaPQZBs>
<https://www.youtube.com/watch?v=GUdrpypTKVs>
https://www.youtube.com/watch?v=Ohn-xU0iU_8
<https://www.youtube.com/watch?v=udxZ8G4VXZU>
https://www.youtube.com/watch?v=x_QtKoOc4K
<https://www.youtube.com/watch?v=eXrJ4rKEwkg>
<https://www.youtube.com/watch?v=RMdTXeWGBDc>
https://www.youtube.com/watch?v=vI5QXTzq_yw
<https://www.youtube.com/watch?v=PFLIR82HIKq>
<https://www.youtube.com/watch?v=PFLIR82HIKq>

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
DIRECT ASSESSMENT		IA Tests	Students	Three IA (Average marks of three IA tests are considered)	20	Blue Books	1 to 6
		Class room Assignments		Class room Assignments	05	Log of Activity	1 to 6
				TOTAL	25		
	SEE - SEMESTER END EXAMINATION	End Exam		End Of the Course	100	Answer Scripts	ALL CO's
INDIRECT ASSESSMENT METHODS	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 IA verifier: The following documents to be verified by CIE verifier at the end of semester

1. Blue books (20 marks)
2. Student suggested activities report for 5 marks evaluated through appropriate rubrics.
3. Student feedback on course regarding Effectiveness of Delivery of instructions & 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
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	
I test /6 th week 10-11 a m	VI SEM	FASHION MERCHANDISING & RETAIL MANAGEMENT	20	
	Year: 2017-18	Course code:15FT63T		
Name of Course coordinator :		Units:1,2 Co: 1 &2		
Note: Answer all questions				
Q.no	Question	CL	CO	PO
1	Define Marketing Mix and explain	A	1	1,2,3,4,7,10
2	Classify market and explain	U	2	1,3,5,6,7,8,9,10
OR				
3	Discuss the costing principles	A	1	1,2,3,4,7,10
4	Describe Micro and Macro marketing	A	2	1,3,5,6,7,8,9,10
OR				
5	Describe long term forecasting process	U/A	1	1,2,3,4,7,10
6	Discuss the influence of Market Weeks in fashion marketing	U/A	2	1,3,5,6,7,8,9,10

MERCHANDISING AND MARKETING
QUESTION BANK
PART-A

Q.NO	DESCRIPTION	CL	CO'S
1	What is market segment explain	A	1
2	Describe product mix	A	1
3	Design a forecast report for a fiber	A	2
4	Describe the size of fashion market	A	2
5	Develop and design theme for Fashion shows	R/A	3
6	Evaluate the importance of Fashion Shows	U/A	3
7	Describe buying house and their role in fashion industry	A	4
8	Define Sourcing and explain	R/A	4
9	List out types of Signage's and explain	R	5
10	What is store planning? explain	A	5
11	Describe E-tailing	A	6
12	What is the role of Departmental Stores in fashion marketing	R/A	6

PART-B

Q.NO	DESCRIPTION	CL	CO'S
1	Describe 4pS	A	1
2	Explain Pricing strategies	R/A	1
3	Describe Market Weeks	A	2
4	Design a fashion forecast report	A	2
5	How do you organize a fashion show event explain	U/A	3
6	Discuss the role of Media planning in organizing fashion show event	R/A	3
7	Develop and design a Merchandising Calender	A	4
8	What are the phases of sourcing explain	R	4
9	Explain Graphics	A	5
10	Discuss the role of mannequins and props in display	A	5
11	Write the scope and importance of fashion retailing	A	6
12	Describe the role of distribution channels in fashion retailing	A	6

**MERCHANDISING AND MARKETING
MODEL QUESTION PAPER**

PART-A

ANSWER ANY SIX QUESTIONS, EACH QUESTION CARRIES FIVE MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	Explain briefly range planning	A	1
2	Explain Merchandising calendar	A	1
3	Discuss the role of buying house in merchandising	A	2
4	Define Sourcing and explain	A	2
5	Write the importance of visual merchandising	R/A	3
6	Define Props and explain	A	4
7	Write the importance of graphics in display shop	R/A	4
8	Define market segment and explain	A	5
9	Describe retailing	A	6


PART-B

ANSWER ANY SEVEN QUESTIONS, EACH QUESTION CARRIES TEN MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	Explain the role of merchandiser in apparel industry	A	1
2	Sketch a chart and explain six month merchandise plan	U/A	1
3	Explain selection of buyers in brief	A	2
4	Discuss the different phases of sourcing	A	2
5	Sketch a chart and explain display calendar	R/A	3
6	Classify mannequins and explain	A	4
7	Write and explain different fixtures used in window display	R/A	4
8	Discuss the influencing factors for marketing concept	A	5
9	Explain types of stores	A	6
10	Define retailing and scope of retail	A	6

Government of Karnataka
Department of Technical Education
Board of Technical Examinations, Bangalore

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
SIXTH SEMESTER

	Course Title: ENTREPRENEURSHIP DEVELOPMENT		
	Credits (L:T:P) : 4:0:0	Total Contact Hours:52	Course Code: 15FT63T
	Type of Course: Lectures, Self Study & Quiz	Credit :04 SEE- 100 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of Basic of Management

COURSE OBJECTIVES:

1. Understand the concepts of Entrepreneurship.
2. Categorize business and ownership
3. Choose the location of the enterprise and plant layout.
4. Financial implication for establishing a new enterprise.
5. Financial institutes for Entrepreneurial challenges.

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	Discover the skills of entrepreneur	U/A	3,4,5,7,8,9,10	04
CO2	Differentiate business and ownership	U/R/A	3,4,6,7,8,9,10	10
CO3	To estimate budget for Plant setting	U/R/A	2,3,4,6,7,8,9,10	12
CO4	Evaluating Project report for financial assistance.	U/R/A	5,7,8,9,10	06
CO5	Compile information for the purchase of raw materials.	U/R/A	3,7,8,9,10	10
CO6	Validate the challenges of an entrepreneur	U/R/A	3,4,7,8,9,10	10

COURSE-PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
ENTREPRENEURSHIP DEVELOPMENT	0	1	3	3	1	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.

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			Mark weightage (%)
			R	U	A	R	U	A	
1	ENTERPRENUERSHIP	08	-	1	-	-	-	1	15.38
2	BUSINESS PLAN AND OWNERSHIP	08	-	-	1	-	1	1	15.38
3	PLANT LAYOUT AND BUDGETING	10	-	1	1	-	1	1	19.23
4	NEW ENTERPRISE.	08	-	-	1	-	-	1	15.23
5	RAW MATERIALS AND FINANCIAL SOURCES	10	1	-	1	-	1	1	19.23
6	ENTREPRENEURSHIP ENVIRONMENT CHALLENGES	08	1	-	1	1	-	1	15.23
	TOTAL	52	09 (45marks)			10 (100 marks)			100

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

CONTENT

Unit	Major Topics	Hours Allotted
1	ENTERPRENUERSHIP	08 hrs
2	BUSINESS PLAN AND OWNERSHIP	08 hrs
3	PLANT LAYOUT AND BUDGETING	10 hrs
4	NEW ENTERPRISE.	08 hrs
5	RAW MATERIALS AND FINANCIAL SOURCES	10 hrs
6	ENTREPRENEURSHIP ENVIRONMENT CHALLENGES	08 hrs
	Total	52 hrs

UNIT-1

ENTERPRENUERSHIP

08 hrs

- 1.1 Introduction to entrepreneurship
- 1.2 Concept
- 1.3 Role of entrepreneur
- 1.4 Required skills

UNIT-II

BUSINESS PLAN AND OWNERSHIP

08 hrs

- 2.1 Introduction
- 2.2 Preparing a Business Plan
- 2.3 Significance of Business Plan, Components ,Feasibility study
- 2.4 Types of Ownership
- 2.5 Advantages and disadvantages of Ownership

UNIT-III

PLANT LAYOUT AND BUDGETING

10 hrs

- 3.1 Introduction
- 3.2. Study types of Industries – Small Scale industry, large scale industry, Cottage industry And Ancillary industry
- 3.3 Factors influencing the enterprise
- 3.4 Location, Building, Ventilation and Lighting
- 3.5 Concept of budgeting.
- 3.6 Budget and Sales Budget

UNIT- IV

ESTABLISHING AN ENTERPRISE

08 hrs

- 4.1 Legal issues.
- 4.2 Preparation of Project report
- 4.3 Financial institutions- National banks, Co- operative banks, IDBI, SIDBI, NABARD.

UNIT-V

RAW MATERIALS AND FINANCIAL SOURCES

10 hrs

- 5.1 Purchase Order
- 5.2 Purchase of Raw Materials - various sources of Information
- 5.3 Support structure from Government Schemes

UNIT-VI

ENTREPRENEURSHIP AND ENVIRONMENT CHALLENGES

08 hrs

- 6.1 Social, Cultural, Political, Natural, Geographic, Technological.
- 6.2 Economic Environment and its impact on Entrepreneurship
- 6.3 Factors affecting entrepreneurial growth
- 6.4 Strategies for the development of women entrepreneurs.

SEMINAR

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

1. Women Entrepreneur
2. Types of entrepreneur
3. Tenders
4. Effects of Make in India
5. Causes and remedies of Industrial Sickness.

Indicative Reference:

1. Entrepreneurship – Upendra Koushik
2. Entrepreneurship Development – S Anil Kumar, S C Poornima, K Jayashree
3. Entrepreneurship Development – Ramachandra
4. Entrepreneurship Development in Small Scale industries- Shiba Charan panda
5. Entrepreneurship Development and Small Business Enterprise- Charanthimath
6. Entrepreneurship Development and Management- A K Singh
7. Entrepreneurship Development role of Commercial Banks – H S Anitha

Related e –References:

- <https://www.youtube.com/watch?v=uxvdEuwVTck>
<https://www.youtube.com/watch?v=ZvmlRZRjGNE>
<https://www.youtube.com/watch?v=XKXNeSrE5Kw>
<https://www.youtube.com/watch?v=8NxDO6fA5rU>
<https://www.youtube.com/watch?v=uB5S1PFTJcw>

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
DIRECT ASSESSMENT		IA Tests	Students	Three IA (Average marks of three IA tests are considered)	20	Blue Books	1 to 6
		Class room Assignments		Class room Assignments	05	Log of Activity	1 to 6
				TOTAL	25		
	SEE - SEMESTER END EXAMINATION	End Exam		End Of the Course	100	Answer Scripts	ALL CO's
INDIRECT ASSESSMENT METHODS	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 IA verifier: The following documents to be verified by CIE verifier at the end of semester

1. Blue books (20 marks)
2. Student suggested activities report for 5 marks evaluated through appropriate rubrics.
3. Student feedback on course regarding Effectiveness of Delivery of instructions & 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
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	
I test /6 th week 10-11 a m	VI SEM	ENTREPRENEURSHIP DEVELOPMENT	20	
	Year: 2016-17	Course code:15FT63T		
Name of Course coordinator :		Units:1,2 Co: 1 &2		
Note: Answer all questions				
Q.no	Question	CL	CO	PO
1	Write a note on Entrepreneurship	A	1	3,4,5,7,8,9,10
2	Narrate the role entrepreneur	U/A	1	3,4,5,7,8,9,10
	OR			
	Describe the skills required for an entrepreneur	A	1	3,4,5,7,8,9,10
3	Explain the significance of business plan and its feasibility	A	2	3,4,6,7,8,9,10
	OR			
	Describe the types of ownership	A	2	3,4,6,7,8,9,10
4	Classify the advantages and disadvantages of ownership3,4,5,7,8,9,10	U/A	2	3,4,6,7,8,9,10

MODEL QUESTION BANK

PART-A

Q.NO	DESCRIPTION	CL	CO'S
1	Define entrepreneurship and explain	A	1
2	Write the concept of entrepreneurship	U/A	1
3	Discuss the types of ownership	A	2
4	Write the advantages of ownership	R	2
5	Define budgeting	A	3
6	Define Sales budget	A	3
7	Explain the legal issues to be discussed to start a new enterprise	A	4
8	Enlist the financial support to start a new enterprise	U/A	4
9	Explain sales budget	A	5
10	Describe the various sources of information to purchase raw materials	A	5
11	Describe the technological challenges for an entrepreneur	A	6
12	Discuss the economic environment impact on entrepreneurship	A	6

PART-B

Q.NO	DESCRIPTION	CL	CO'S
1	Write the role of entrepreneur	R	1
2	List out the types of entrepreneurship and explain	R	1
3	Prepare a business plan	A	2
4	Describe feasibility study explain	A	2
5	Discuss the factors influencing an enterprise	A	3
6	Describe concept of budgeting	A	3
7	Prepare a project report	R/A	4
8	Explain the types of financial institutions to support the new enterprise	A	4
9	Explain the Government schemes to support new entrepreneur	A	5
10	Explain the method of buying raw material	A	5
11	Discuss the environmental challenges faced by an entrepreneur	A	6
12	Explain the measures to be taken to develop women entrepreneur	A	6

MODEL QUESTION PAPER

PART –A

ANSWER ANY SIX QUESTION, EACH CARRIES FIVE MARKS


Q.NO	DESCRIPTION	CL	CO'S
1	Define entrepreneurship and explain	A	1
2	Discuss the types of ownership	A	2
3	Define budgeting	A	3
4	Define Sales budget	R/A	3
5	Discuss the legal issues to be discussed to start a new enterprise	A	4
6	Explain purchase order	A	5
7	Describe the various sources of information to purchase raw materials	A	5
8	Discuss the technological challenges for an entrepreneur	A	6
9	Discuss the economic environment impact on entrepreneurship	A	6

PART-B

ANSWER ANY SEVEN QUESTION, EACH CARRIES TEN MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	Write the role of entrepreneur	R/A	1
2	List out the types of entrepreneurship and explain	A	1
3	Prepare a business plan	A	2
4	Describe feasibility study	A	2
5	Discuss the factors influencing an enterprise	A	3
6	Describe concept of budgeting	A	3
7	Prepare a project report	R/A	4
8	Discuss the Government schemes to support new entrepreneur	A	5
9	Explain the method of buying raw material	A	5
10	Explain the measures to be taken to develop women entrepreneur	A	6

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
SIXTH SEMESTER

	Course Title: ADVANCED PATTERN & APPAREL CONSTRUCTION-VI		
	Credits (L:T:P) : 0:2:4	Total Contact Hours:78	Course Code: 15FT64P
	Type of Course: Tutorials & Practice	Credit :03 SEE- 50 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisite: Basic knowledge of draping technique

Course Objectives:

1. Modify the basic patterns
2. To transfer various pattern technique on garments
3. Manipulate the darts and tucks
4. Assemble the components using draping method
5. Create garments using draping technique.

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	Modify the basic patterns using different techniques.	U/A	1,2,3,5,7,8,9,10	12Hrs
CO2	To transfer various pattern technique on garments	U/R/A	1,3,5,6,8,9,10	18 Hrs
CO3	Study of dress forms for draping techniques.	U/R/A	2,4,6,7,9,10	06 Hrs
CO4	Assemble the components using draping method	U/R/A	3,4,5,7,9,10	18Hrs
CO5	Create garments using various draping technique.	U/R/A	2,4,5,6,8,9,10	06 Hrs
CO6	Create garments using draping technique	U/R/A	3,4,6,7,9,10	18 Hrs

COURSE-PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
ADVANCED PATTERN & APPAREL CONSTRUCTION	2	3	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	DART MANIPULATION (Flat pattern Technique)	12Hrs
2	STUDY OF GARMENTS (Flat pattern Technique)	18 Hrs
3	DRAPING (Draping technique)	06 Hrs
4	BASIC PATTERN (Draping technique)	18Hrs
5	DART – PLEATS- TUCKS (Draping technique)	06 Hrs
6	STUDY OF DRAPING METHOD (Draping technique)	18 Hrs
	Total	78 hrs

UNIT-I

DART MANIPULATION (Flat pattern Technique)

12Hrs

- 1.1 Introduction—slash and spread technique, pivotal method
- 1.2 Adaptation of block pattern into style lines—classic princess, panel
- 1.3 Insertion of pleats, tucks
- 1.4 Front cowl, back cowl, sleeve cowl

UNIT-II

STUDY OF GARMENTS

18 Hrs

- 2.1 Detail study of following garments by flat pattern technique
- 2.2 Evening gowns with pleats, cowls, gathers, tuck
- 2.3 Draped wrap skirt with cascade
- 2.4 Jacket with hood
- 2.5 Jump suit for girls

UNIT-III

DRAPING

6 Hrs

- 3.1 Introduction to draping
- 3.2 Study of equipments
- 3.3 Study of Grain
- 3.4 Study of Dress forms
- 3.5 Preparation of dress forms for draping
- 3.4 Preparation of muslin for draping-Tearing, blocking, pressing

UNIT- IV

BASIC PATTERN

18Hrs

- 4.1 Study of preparation of muslin for draping
- 4.2 Draping steps
- 4.3 Marking
- 4.4 Trueing
- 4.5 Method of draping of front body

- 4.6 Method of draping back body
- 4.7 Method of draping skirt

UNIT- V

DART – PLEATS- TUCKS

6 Hrs

- 5.1 Dart manipulation—Bustling dart, neck line dart
- 5.2 Insertion of pleats in bodice
- 5.3 Insertion of tucks in bodice
- 5.4 Insertion of cowl in bodice

UNIT-VI

STUDY OF DRAPING METHOD

18 Hrs

- 6.1 Dirndl skirt
- 6.2 Peg skirt
- 6.3 Ladies top with yoke
- 6.4 Gown with princess line

NOTE:

1. Detail study of garments, in **UNIT –I & II** with flat pattern and **UNIT-III To VI** using draping method with 12 ½ head croques, sketch and design the above given garments. (maintain a folder)
2. The above garments to be presented for the end exam.

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
DIRECT ASSESSMENT		IA Tests	Students	Two IA tests (Average marks of two IA tests are considered)	10	Blue Books	1 to 6
		Class room Assignments		Student Activity	10	Log of Activity	1 to 6
				Record/Log	05		
				TOTAL	25		
	SEE - SEMESTER END EXAMINATION	End Exam		End Of the Course	50	Answer Scripts	ALL CO's
INDIRECT ASSESSMENT METHODS	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.

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
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.

ADVANCED PATTERN & APPAREL CONSTRUCTION
SIXTH SEMESTER
MODEL QUESTIONS

1. Drape a ladies sleeve less top with cowl.

OR

Drape a yoked skirt with flare.

OR

Drape a Sheeth Skirt with panels.

OR

Drape a ladies sleeve less top with Princess Line.

2. Prepare basic block and adopt to required style lines, and cut stitch and finish the garment:

Ladies Top with classic princess or panels or insertion of pleats or tucks or front cowl.

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


Scheme of Evaluation

Time:- 4 hours

Marks: 50

SL.NO	DESCRIPTION	MARKS
1	Draping	10
2	Basic Block and adaptation	10
3	Execution – stitching and finishing	30
Total		50

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
SIXTH SEMESTER

Course Title: COMPUTER AIDED DESIGN		
	Credits (L:T:P) : 0:2:4	Total Contact Hours:78
	Type of Course: Tutorials & Practice	Credit :03 SEE- 50 Marks CIE- 25 Marks
		Course Code: 15FT65P
		Core/ Elective: Core

Prerequisite: Basic knowledge of Computer in designing

Course Objectives

1. Associate computer application and fashion software.
2. Practice Photoshop and Corel draw techniques.
3. Construction of basic designs in Textile and fashion.
4. Tabulate pattern making and grading techniques
5. Designing of Garments

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

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	Application of various software's in designing	A/C	1,2,3,5,6,7,8,10	12
CO2	Creating different textural effects and weaves in the fabric.	A/C/E	1,2,3,5,6,7,8,10	12
CO3	Drape various silhouettes and colour combination in the garments	A/C	1,2,3,5,6,7,8,10	12
CO4	Quick modification of existing marker and to finalise a marker.	A/E	3,4,5,6,7,8,9	09
CO5	Apply Marker for mass production	A/E	3,4,5,6,7,8,9,10	15
CO6	Developing mini marker on various garments	A/C/E	3,4,5,6,7,8,9,10	18

COURSE-PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
COMPUTER AIDED DESIGN	2	3	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	SOFTWARE APPLICATION IN DESIGNING	12
2	BASIC DESIGNING AND COLOUR RENDERING	12
3	FASHION AND TEXTILE CAD	12
4	GARMENT CAD	09
5	GARMENT GRADING AND MARKER PLANNING	15
6	EXERCISES	18
	Total	78 hrs

UNIT-I

SOFTWARE APPLICATION IN DESIGNING 12 Hrs

- 1.1 Introduction to various fashion designing software
- 1.2 Application of Software – Auto CAD or Adobe Photoshop or Corel draw or Open Source
- 1.3 Practicing Designs using the above software tools.
- 1.4 Creating basic designs using geometrical patterns

UNIT-II

BASIC DESIGNING AND COLOUR RENDERING 12 Hrs

- 2.1 Designing of repeats – $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, Cross, Brick repeat.
- 2.2 Symmetrical and Asymmetrical designs.
- 2.3 One way design, abstract, all over
- 2.4 Checks, Stripes – vertical and horizontal, plaids

UNIT-III

FASHION AND TEXTILE CAD 12 Hrs

- 3.1 Set Texture's Dye, Knitting effect, Crinkle, Leather effect
- 3.2 Light, display mode, Define show ratio, back ground colour, ruler, design E- studio, System shortcut forms, Layers, Material area.
- 3.3 Pick object, Create curve, Edit curve, Create surface, Modify Clip border, Rescale surface grid, Edit Surfaces grid, Fold, Create tape, Edit clip, Texture table, Rescale texture, Create, Text, Pick colour, Set canvas property.
- 3.4 Set canvas, Clip image, Edit image alpha, colour management, Draping, Fill colour, pen, Local skew, Pick colour.

UNIT- IV

GARMENT CAD 9 Hrs

- 4.1 Pick up piece, How to draw darts, Weave line, Add seam allowance to a piece, set a piece information, print. Standard Tool Bar, Traditional tool bar, professional tool bar, Piece tool bar, Piece layout tool bar. File menu, Edit menu, Piece menu, Grading, View menu,

UNIT- V

GARMENT GRADING AND MARKER PLANNING

15 hrs

5.1 Standard tool bar, file Menu, Edit Menu, Pattern Menu, Modify Menu, Grading, Point Grading Menu, Option Menu.

5.2 Marker Tool Bar, File Tool Bar, Piece Tool Bar, File Menu, Piece Menu, Marker Option, Nesting.

UNIT- VI

EXERCISES

18 Hrs

6.1 Prepare the Mini marker and print the same for the following Garments with different fabric texture

1. Yoke Frock
2. Nehru Shirt
3. Salwar Kameez
4. Trousers
5. Any coats

NOTE: i) The above units to be practiced using any of the following Fashion Designing Software's or open source

ii) Auto Cad, Corel Draw, Fashion CAD, Pattern and Garment CAD

iii) Folder Containing all the exercises of units I, II, III and VI and to submit the same in the end examination

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
DIRECT ASSESSMENT		IA Tests	Students	Two IA tests (Average marks of two IA tests are considered)	10	Blue Books	1 to 6
		Class room Assignments		Student Activity	10	Log of Activity	1 to 6
				Record/Log	05		
				TOTAL	25		
	SEE - SEMESTER END EXAMINATION	End Exam		End Of the Course	50	Answer Scripts	ALL CO's
INDIRECT ASSESSMENT METHODS	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:

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.

- **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
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				
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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

COMPUTER AIDED DESIGN

SIXTH SEMESTER

MODEL QUESTIONS

1. a Create a pattern of full arm shirt using pattern cad.
b. Grade the above garment SML sizes
c. Estimate using marker plan.
2. a Create a logo using any designing software
b. Create any two motifs.
c. Drape and design a kameez.
3. a Create a satin weave effect using Textile CAD
b. Create any two repeats.
c. Drape and Design a evening gown.


SCHEME OF VALUATION

Time:- 3 hours

Marks: 50

Q. No	Marks
1	15 marks
2	15 marks
3	20 marks
Total	50 Marks

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

	Course Title: ELECTIVE (PRACTICALS) 1. BANJARA EMBROIDERY 2. HAND MADE JEWELLERY DESIGNING 3. DESIGNING HAND BAGS 4. TEXTILE DESIGNING WITH EMBELLISHMENT		
	Credits (L:T:P) : 0:2:4	Total Contact Hours:78	Course Code: 15FT66P
	Type of Course: Tutorials & practical	Credit :03 SEE - 50 Marks CIE- 25 Marks	Core/ Elective: Elective

Prerequisites: Knowledge of Regional Embroidery

COURSE OBJECTIVES

1. Visualize the different types of materials used for embellishment.
2. Various raw used for jewellery designing.
3. Produce textural effect to construct different designs.
4. Application of various traditional designs.
5. Formulate and inculcate various designs on fabric.

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

Course Outcomes	
CO1	Create an appropriate designs and apply the same
CO2	Produce various techniques in constructing and designing
CO3	Compile various raw materials into a finished product
CO4	Application of colours and designs on different fabrics.

Mapping Course Outcomes with Program Outcomes

	Course Outcome	Experiment linked	PO Mapped	Cognitive Level
CO1	Create an appropriate designs and apply the same	1,2,3,4	1,2,3,4,5,7,8,9,10	U/A/ C
CO2	Produce various techniques in constructing and designing	1,2,3,4	1,2,3,4,5,7,8,9,10	A/C
CO3	Compile various raw materials into a finished product	1,2,3,4	1,2,3,4,5,7,8,9,10	U/A
CO4	Application of colours and designs on different fabrics.	1,2,3,4	1,2,3,4,5,7,8,9,10	A/C
Total Hours of instruction 78 hrs for each Elective topic.				

U-Understanding; A-Analysis; App-Application, C- Create, E- Evaluation

Course outcomes –Program outcomes mapping strength

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
ELECTIVE	3	3	3	3	3	0	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

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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	BANJARA EMBROIDERY	78 hrs
2	HAND MADE JEWELLERY DESIGNING	78 hrs
3	DESIGNING HAND BAGS	78 hrs
4	TEXTILE DESIGNING WITH EMBELLISHMENT	78 hrs

ELECTIVE -I
BANJARA EMBROIDERY

- 1.1 Introduction to Banjara Embroidery
- 1.2 History
- 1.3 Adaptation of designs
- 1.4 Influence of colours
- 1.5 Stitches and sequences.

Note: Prepare a folder containing the above and submit the same for the end examination

Project: Design a Full skirt using BANJARA EMBROIDERY

OR

ELECTIVE –II

HAND MADE JEWELLERY DESIGNING

- 1.1 Introduction Hand made jewellery
- 1.2 Adaptation of designs
- 1.3 Influence of colours
- 1.4 Accessories and sequences.

Note: Prepare a folder containing the above and submit the same for the end Examination

Project: Design a jewellery set - Ear Rings, Necklace, Bracelet, Bangles, finger rings, Anklets

Using Terracotta, Beads, Quill, Handmade Papers, M-seal, Stones,

OR

ELECTIVE – III

DESIGNING HAND BAGS

- 1.1 Introduction
- 1.2 Adaptation of designs
- 1.3 Influence of colours
- 1.4 Accessories and sequences.
- 1.5 Styles and patterns.

Note: Prepare a folder containing the above and submit the same for the end

Examination

Project: Design and decorate the following – Mobile pouch, Shoulder bag and Luggage bag.

OR

ELECTIVE – IV

TEXTILE DESIGNING WITH EMBELLISHMENT

- 1.1 Introduction
- 1.2 Adaptation of designs
- 1.3 Influence of colours
- 1.4 Accessories and sequences.
- 1.5 Styles and patterns

Note: Prepare a folder containing the above and submit the same for the end Examination

Project: Design and decorate the following – Batik wall hanger, Dewan set and Bed spread with two pillow covers.

The students can select any one unit as a elective consulting HOD and subject staff member.

The folder should contain Synopsis, Method , Cost Estimation and Final Report

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	1 to 6
				Record (Average marks of each exercise to be computed)	10	Record Book	
		Class room Assign ments		Mini Project	05	Log of Activity	1 - 6
		TOTAL		25			
	SEE - SEMESTER END EXAMINA TION	End Exam		End Of the Course	50	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

*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.

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

1 Blue book

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
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.

SIXTH SEMESTER
ELECTIVE (PRACTICAL)
MODEL QUESTIONS

1 Prepare a swatch of Banjara embroidery. Size=10x10cms.

OR

1. Design and construct a hand bag.

OR

1. Prepare a Batik swatch using reactive cold dyes. Size=18x20cms.

OR

1. Design and prepare a pair of Ear ring and a bangle.

Scheme of Evaluation


Time:- 3 hours

Marks: 50

Design and Create	10 marks
Working method	30 marks
Finishing and Presentation	10 marks
Total	50 marks

Government of Karnataka

**Department of Technical Education
Board of Technical Examinations, Bangalore**

	Course Title: PROJECT WORK-II		
	Scheme (L:T:P) : 0:2:4	Total Contact Hours: 78	Course Code: 15FT67P
	Type of Course: Practice	Credit : 03	Core/ Elective: Practice
CIE- 25 Marks		SEE- 50 Marks	

Prerequisites: Application learned concepts form the previous semester studied courses.

Course Objectives:

1. Learn the objective of this project is to provide opportunity for the students to implement their skills acquired in the previous semesters to practical problems/problems faced by industry/development of new facilities
2. Make the students come up with innovative/ new ideas in his/her area of interest.
3. Identify, analyze and develop opportunities as well as to solve broadly defined problems.
4. Enhance students' appreciation of the values of social responsibility, legal and ethical principles, through the analysis and discussion of relevant articles and real time projects.

Course outcome

On successful completion of the course, the students will be able to:

Course Outcome		CL	Linked PO	Allotted hours
CO1	Get an idea and confidence in designing, analyzing and executing the project.	Analysis/creation	1 to 10	6hrs/Week
CO2	Apply the knowledge of latest trends in fabrication/ manufacturing and Relate their ideas while executing the project	Analysis/creation	1 to 10	
CO3	Have complete understanding of Executing the project	Analysis/creation	1 to 10	
CO4	Prepare documents in team and enhance his written and oral communication presentations.	Analysis/creation	1 to 10	
CO5	Develop individual confidence to handle various assignments and expose themselves to acquire life skills to meet societal challenges	Analysis/creation	1 to 10	

		TOTAL		78 Hours
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MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

Course	Programme Outcome									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	Basic knowledge	Discipline knowledge	Experiments a practice	Engineering Tools	Engineer and society	Environment & Sustainability	Ethics	Individual and Team work	Communication	Life long learning
PROJECT WORK-II	3	3	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.										

1. PROJECT WORK:

78 HRS

A. INTRODUCTION

The objective of the project work is to enable the students in convenient groups of minimum of 5 members on a project involving theoretical and experimental studies related to the branch of study. Every project work shall have a guide who is the member of the faculty of the institution. Six periods per week shall be allotted in the time table and this time shall be utilized by the students to receive the directions from the guide, on library reading, laboratory work, computer analysis or field work as assigned by the guide and also to present in periodical seminars on the progress made in the project.

B. ROAD MAP FOR THE PROJECT

1. Carry out a session or a seminar from the ISTE Student Chapter coordinator / Programme coordinator with the help of Innovation club / I I I cell for directing the students to identify project areas in the field of their interested including interdisciplinary areas.
2. Power point presentation in seminar should include detail description of project areas related to program, Project report formats, developing personnel writing skills.
3. The Students/Departments may at liberty to form the batch not less than 5 and maximum 8 and get registered with project coordinator/HOD at the end of V semester.
4. Students should take the approval from the Project committee/ Head of department for doing project.

5. After approval the batch of students will be published in department notice board along with guide in the end of 5th semester.
6. All students should finalize their Project immediately before commencement of SEE of 5th semester.
7. The types of project may include:
 - Industrial case study
 - Preparation of a feasibility report
 - Creation of New facilities
8. The project should be challenging but manageable within the resources and time available.
9. Students should undergo reviews for one time in 5th and one time in 6th semester during the internal assessment. Time table for IA should include project review. The guide should monitor the progress of Project work periodically and it should be finally evaluated for 25 marks at the end of 5th semester and for 25 marks at the end of 6th semester.
10. The IA marks will be evaluated based on oral presentation and assessment by the internal guide by adopting Rubrics being developed by Project committee.
11. Real time problems, Industry related problems, should be chosen and it is a Responsibilities of the project committee / Programme coordinator/ Innovation club / I.I.T. cell to choose the appropriate project and to accept the Project Proposal
12. **Identification of Topic:** The selection of topic is of crucial importance. It should be field of interest. It is advisable to choose the project that can be completed on time and within the budget and resources. The topic should be clear, directional, focussed and feasible.
13. An outline of project proposal submitted & synopsis from student will initiate a dialogue between Student and Project coordinator who will then help you to work on the chosen topic and report.

C. Industrial visit

Students are required to undergo an industrial visit for period of at least 3(Three) working days, in V semester only. After completion of their visit the reports should be prepared. Each Student should write the report independently in view of his own observation in industry. All days for the visit should be accounted for clearly giving attendance particulars. The concern accompanying staff is to check student presence and access progress periodically

D. Industrial report

Students are required to submit a comprehensive report on factory visit with details of the organization where the training was undergone. The comprehensive report should focus on study of plant/ product /process/ along with intensive in-depth study on anyone of the topics such as processes, methods, tooling, plant layout and equipment, highlighting aspects of quality, productivity of the system. Any data, drawings etc should be incorporated with the consent of the Organization. The comprehensive report should be submitted for the end exam for evaluation.

E. Thrust areas identified for Project work

Each student may be assigned any one of the following types of project/thesis work:

According to the local needs, the following major projects are suggested:

1. Weaving Sector
2. Textile Industry
3. Garment Manufacturing Units
4. Embroidery Units
5. Textile Printing Units
6. Dyeing Units.
7. Spinning Mills
8. Cottage Industry
9. Small Scale Industry
10. Knit wear Industry
11. Handy crafts Units

F. Course Assessment and Evaluation Scheme for Project work

	What		To whom	When/Where (Frequency in the course)	Max Marks	Evidence collected	Course outcomes
Direct Assessment met	CIE	IA	Students	At the end of 5 semester)	25	1. Project Synopsis. 2. Plan & Schedule 3. Industrial visit report	CO1, CO2, CO3,CO4,CO5
				At the end of 6 semester)	25	1. Project Report. 2. Presentation hand outs	CO1, CO2, CO3,CO4,CO5
	SEE	End Exam		End of the course	50	CO1, CO2, CO3,CO4,CO5 Project report project model/Study report	
Indirect Assessment	Student Feedback on course		Students	Middle of the course		Feedback forms	CO1Delivery of course
	End of Course Survey			End of the course		Questionnaires	CO1 to CO5 Effectiveness of Delivery of instructions & Assessment Methods

*CIE – Continuous Internal Evaluation

*SEE – Semester End Examination

G. Project report

The Project Report should consist of following items.

1. Introduction
2. Review of Literature
3. Study Area
4. Methodology/Design/fabrication/Tests
5. Result and Discussion
6. Conclusion and scope for future study
7. References.

1. Project reports should be typed neatly in Times New Roman letters with font size 14 for titles and 12 for text on both sides of the paper with 1.5 line spacing on a A4 size paper (210 x 297 mm). The margins should be: Left - 1.5", Right - 1", Top and Bottom - 0.75".

2. The total number of reports (**Soft bound**) to be prepared are

- One copy to the department /library
- One copy to the concerned guide(s)
- One copy to the candidate.

3. Before taking the final printout, the approval of the concerned guide(s) is mandatory and suggested corrections, if any, must be incorporated.

4. Every copy of the report must contain

- Inner title page (White)
- Outer title page with a plastic cover
- Candidate declaration and Certificate in the format enclosed both from the institution and the organization where the project is carried out.
- An abstract (synopsis) not exceeding 100 words, indicating salient features of the work.

5. The organization of the report should be as follows

<ol style="list-style-type: none">1. Inner title page2. Abstract or Synopsis3. Acknowledgments4. Table of Contents5. List of table & figures (optional)	Usually numbered in Roman
---	---------------------------

Chapters(to be numbered in Arabic) containing Introduction-, which usually specifies the scope of work and its importance and relation to previous work and the present developments, Main body of the report divided appropriately into chapters, sections and subsections.

The chapters, sections and subsections may be numbered in the decimal form for e.g. Chapter 2, sections as 2.1, 2.2 etc., and subsections as 2.2.3, 2.5.1 etc.

The **chapter must be left or right justified (font size 16)**. Followed by the **title of chapter centred (font size 18)**, **section/subsection numbers along with their**

headings must be left justified with section number and its heading in font size 16 and subsection and its heading in font size 14. The body or the text of the report should have font size 12.

The figures and tables must be numbered chapter wise

The last chapter should contain the summary of the work carried, contributions if any, their utility along with the scope for further work.

Reference or Bibliography: The references should be **numbered serially** in the order of their occurrence in the text and their numbers should be indicated within square brackets for e.g. [3].

Separator sheets, used if any, between chapters, should be of thin paper

I. CIE ASSESSMENT FOR FINAL REVIEW (VI semester)

1	Relevance of the subject in the present context	05 marks
2	Literature Review	05 marks
3	Plan and schedule of Fabrication of the model /Data collection/repair and Overhauling work /creation	10marks
4	Results & Discussion	05 marks
TOTAL		25 marks

J. SEE ASSESSMENT

1	Relevance of the subject in the present context	05 marks
2	Literature Review	05 marks
3	Fabrication of the model/Data collection/repair and Overhauling work/creation	25 marks
4	Results & Discussion	05 marks
5	Presentation	10marks
TOTAL		50 marks

MODEL OF RUBRICS FOR ASSESSING REVIEWS OF PROJECT FOR CIE

Student name	Reg no	Dimension	Scale					Students Score					
			Needs Improvement	Developing	satisfactory	Good	Exemplary	1	2	3	4	5	
		Collection of data	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collect much information; but very limited relate to the topic	Collects some basic information; most refer to the topic	Collects a great deal of information; all refer to the topic						
		Fulfill team's roles & duties	Does not perform any duties assigned to the team role	Performs very little duties but unreliable	Performs very little duties	Performs nearly all duties	Performs all duties of assigned team roles						
		Shares work equally	Always relies on others to do the work	Rarely does the assigned work; often needs reminding	Usually does the assigned work; rarely needs reminding	Normally does the assigned work	Always does the assigned work without having to be reminded.						
		Listen to other Team mates	Is always talking; never allows anyone else to speak	Usually does most of the talking; rarely allows others to speak	Talks good; but never show interest in listening others	Listens, but sometimes talk too much	Listens and speaks a fair amount						
			Grand Average/Total										

APPENDIX 1 (Cover page)

(A typical Specimen of Cover Page)

DEPARTMENT OF TECHNICAL EDUCATION

BENGALURU-560001

<1.5 line spacing>

NAME OF THE COLLEGE

LOGO

**DIPLOMA IN APPAREL DESIGN AND FABRICATION
TECHNOLOGY PROGRAMME**

IN

DEPARTMENT OF APPAREL DESIGN AND FABRICATION TECHNOLOGY

TITLE OF PROJECT REPORT

<1.5 line spacing>

A PROJECT REPORT

Submitted by

<Italic>

NAME OF THE CANDIDATE(S)

in partial fulfillment for the award of the diploma

of

<1.5 line spacing><Italic>

Year of submission: (MONTH & YEAR)

APPENDIX 2 (Title page)
(A typical Specimen of Title Page)

A Project Report
on

<TITLE OF THE PROJECT WORK>

Submitted for partial fulfilment of the requirements for the award of the
of

DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY

**BY
BATCH**

<Mr. / Ms. Name of the Student (Roll No.)>
<Mr. / Ms. Name of the Student (Roll No.)>
<Mr. / Ms. Name of the Student (Roll No.)>
<Mr. / Ms. Name of the Student (Roll No.)>
<Mr. / Ms. Name of the Student (Roll No.)>

Under the guidance of

<Name of the Staff>
Lecturer
Department of ADFT
GPT, Place-----

LOGO

Department of Apparel Design and Fabrication Technology
<<NAME OF INSTITUTE>>
<<ADDRESS OF INSTITUTE>>

APPENDIX 3 (Certificate)

(A typical specimen of Bonafide Certificate)

**DEPARTMENT OF TECHNICAL EDUCATION
BENGALURU-560001**

BONAFIDE CERTIFICATE

Certified that this project report “.....**TITLE OF THE PROJECT**.....”is the bonafide work of “.....**NAME OF THE CANDIDATE(S)**.....”who carried out the project work under my supervision.

<<Signature of the Head of the Department>>

<<Signature of the Project coordinator>>

SIGNATURE

SIGNATURE

<<Name>>

<<Name>>

HEAD OF THE DEPARTMENT

PROJECT CO-ORDINATOR

<<Academic Designation>>

<<Department>>

Department of ADFT

<<Full address of the Dept & College >>
College >>

<<Full address of the Dept &

Examiners 1.....<<Signature, Name, Designation& Address>>.....

Examiners 2.....<<Signature, Name, Designation& Address>>.....

APPENDIX 4 (Candidate Declaration)

CANDIDATE'S DECLARATION

I, ----- a student of Diploma in ----- Department bearing Reg No-----of ----- hereby declare that I own full responsibility for the information, results and conclusions provided in this project work titled “-----“submitted to **State Board of Technical Examinations, Government of Karnataka** for the award of Diploma in -----.

To the best of my knowledge, this project work has not been submitted in part or full elsewhere in any other institution/organization for the award of any certificate/diploma/degree. I have completely taken care in acknowledging the contribution of others in this academic work. I further declare that in case of any violation of intellectual property rights and particulars declared, found at any stage, I, as the candidate will be solely responsible for the same.

Date:

Place:

Signature of candidate

Name: -----

Reg No-----

APPENDIX 5 (Certificate Issued By Guide)

DEPARTMENT OF TECHNICAL EDUCATION

NAME OF THE INSTITUTION

Address with pin code

Department of

CERTIFICATE

Certified that this project report entitled -----

-----”which is being

submitted by Mr./Ms., Reg. No....., a

bonafide student ofin partial fulfilment for the award of

Diploma in -----Engineering during the year is record of

students own work carried out under my/our guidance.It is certified that all

corrections/suggestions indicated for internal Assessment have been incorporated in the

Report and one copy of it being deposited in the polytechnic library.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said diploma.

It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn there in but approve the project only for the purpose for which it is submitted.

Guide(s)

NAME AND SIGNATURE

EXAMINER **1**

EXAMINER **2**

Head of Department

APPENDIX 6

Format of Synopsis

1. Title of the Project
2. Objectives of the study
3. Rationale for the study
4. Statement of the Problem
5. Detailed Methodology to be used for carrying out the study
6. The expected contribution from the study (to perform any laboratory experiments)
7. List of activities to be carried out to complete the project (with the help of a bar chart showing the time schedule)
8. Places/labs/equipment and tools required and planning of arrangements
9. Problems envisaged in carrying out the project, if any.
10. Brief description of project in 100 words



PPENDIX-7 (PROJECT-TIME LINE)

SL.No	TASK	Responsibility	END OF V SEMESTER					VI SEMESTER																				
			11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14							
	WEAKS																											
1	Industrial visit	Students/Faculty																										
1	Seminar regarding Project work	Project Com/HOD																										
2	Batch formation & Guide allocation	HOD																										
3	Identification of project	Students/Guide																										
4	Project synopsis Submission	Students																										
5	Finalization of Project	Students/Guide																										
6	Literature survey	Students/Guide																										
7	Identification of facility to do PW	Guide																										
8	Study/Fabrication/design of model	Students/Guide																										
9	Results discussion/performance testing	Students																										
10	Review of Project work by guide	Students																										
11	Project report submission	Students/Guide																										