

### B.Sc. FASHION TECHNOLOGY AND COSTUME DESIGNING

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	Ins. Hrs /Week	CREDITS	MARKS		TOTAL
							CIA	ESE	
I	20U1LT1/LA1/LF1/LH1/LU1	I	Language – I		6	3	25	75	100
	20UCN1LE1	II	English - I		6	3	25	75	100
	20UFT1CC1	III	Core – I	Fashion Designing	5	5	25	75	100
	20UFT1CC2P		Core – II	Fashion Illustration– Practical -I	3	2	20	80	100
	20UFT1AC1		Allied –I	Basic Garment Construction	5	4	25	75	100
	20UFT1AC2P		Allied –II	Basic Garment Construction – Practical	3	2	20	80	100
	20UCN1AE1	IV	AEC-I	Value Education	2	2	100	-	100
			<b>TOTAL</b>		<b>30</b>	<b>21</b>			<b>700</b>
II	20U2LT2/LA2/LF2/LH2/LU2	I	Language – II		6	3	25	75	100
	20UCN2LE2	II	English – II		6	3	25	75	100
	20UFT2CC3	III	Core – III	Textile Science	6	5	25	75	100
	20UFT2CC4P		Core – IV	Fashion Illustration – Practical-II	3	2	20	80	100
	20UFT2AC3P		Allied – III	Pattern Making - Practical	4	3	20	80	100
	20UFT2AC4		Allied –IV	Garment Manufacturing Technology	3	2	25	75	100
	20UCN2SE1	IV	Skill Enhancement Course – I @	Soft Skills Development	2	2	100	-	100
			<b>TOTAL</b>		<b>30</b>	<b>20</b>			<b>700</b>
III	20U3LT3/LA3/LF3/LH3/LU3	I	Language– III		6	3	25	75	100
	20UCN3LE3	II	English – III		6	3	25	75	100
	20UFT3CC5	III	Core– V	Indian Traditional Costumes and Embroidery	4	4	25	75	100
	20UFT3CC6P		Core– VI	Garment Construction for Children – Practical	3	2	20	80	100
	20UFT3AC5		Allied– V	Fabric Structure	4	3	25	75	100
	20UFT3AC6P		Allied–VI	Fabric Structure – Practical	3	2	20	80	100
	20UFT3GE1P	IV	Generic Elective I #		2	2	-	100	100
	20UCN3AE2		AEC-II	Environmental Studies	2	2	100	-	100
			<b>TOTAL</b>		<b>30</b>	<b>21</b>			<b>800</b>
IV	20U4LT4/LA4/LF4/LH4/LU4	I	Language–IV		6	3	25	75	100
	20UCN4LE4	II	English– IV		6	3	25	75	100
	20UFT4CC7P	III	Core– VII	Fashion Photography – Practical	5	5	20	80	100
	20UFT4CC8		Core - VIII	Fashion Clothing Psychology	3	2	25	75	100
	20UFT4AC7		Allied– VII	Knitting	5	3	25	75	100
	20UFT4AC8P		Allied–VIII	Fashion Draping - Practical	3	2	20	80	100
	20UFT4GE2P	IV	Generic Elective – II #		2	2	-	100	100
	20UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-
			<b>TOTAL</b>		<b>30</b>	<b>21</b>			<b>700</b>
V	20UFT5CC9	III	Core – IX	Wet Processing	6	5	25	75	100
	20UFT5CC10P		Core – X	Wet Processing – Practical	5	5	20	80	100
	20UFT5CC11P		Core – XI	Garment Construction for Adult – Practical	5	5	20	80	100
	20UFT5CC12		Core - XII	Internship	5	5	20	80	100
	20UFT5DE1		DSE – I **		5	4	25	75	100
	20UFT5SE2	IV	Skill Enhancement Course- II @		2	2	-	100	100
	20UFT5SE3		Skill Enhancement Course – III @		2	2	-	100	100
	20UFT5EC1		Extra Credit Course - I	General Intelligence for Competitive Examinations	-	4*	--	100*	100*
			<b>TOTAL</b>		<b>30</b>	<b>28</b>			<b>700</b>
VI	20UFT6CC13	III	Core– XIII	Textile Testing	5	5	25	75	100
	20UFT6CC14P		Core– XIV	Textile Testing– Practical	5	5	20	80	100
	20UFT6CC15P		Core - XV	Computer Aided Designing – Practical	5	5	20	80	100
	20UFT6CC16P		Core - XVI	Fashion Portfolio Presentation - Practical	5	5	20	80	100
	20UFT6DE2		DSE - II **		5	4	25	75	100
	20UFT6DE3		DSE - III **		4	4	25	75	100
	20UCN6AE3	IV	AEC-III	Gender Studies	1	1	100	-	100
	20UFT6EC2		Extra Credit Course - II	Fashion Technology for Competitive Examinations	-	4*	--	100*	100*
	20UFTAECA		Extra Credit Course for all	Online Course	-	1*	--	-	-
			<b>TOTAL</b>		<b>30</b>	<b>29</b>			<b>700</b>
			<b>GRAND TOTAL</b>		<b>180</b>	<b>140</b>	-	-	<b>4300</b>

\* Not Considered for Grand Total and CGPA

# Generic Electives for other major department

SEMESTER	COURSE CODE	COURSE TITLE
III	20UFT3GE1P	Hand Embroidery – Practical
IV	20UFT4GE2P	Painting Techniques – Practical

@ Skill Enhancement Courses

SEMESTER	COURSE CODE	COURSE TITLE
V	20UFT5SE2AP	Surface Embellishment - Practical
	20UFT5SE2BP	Accessories Making – Practical
V	20UFT5SE3A	Textile Science
	20UFT5SE3B	Textile Dyeing

\*\* Discipline Specific Electives

SEMESTER	COURSE CODE	COURSE TITLE
V	20UFT5DE1A	Garment Quality and Cost Control
	20UFT5DE1B	Home Science
VI	20UFT6DE2A	National and International Marketing
	20UFT6DE2B	Interior Decoration
VI	20UFT6DE3A	Apparel Merchandising
	20UFT6DE3B	Costumes and Personal Appearance

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
I	20UFT1CC1	Core – I	FASHION DESIGNING 2%	5	5	100	25	75

### Course Outcomes:

At the end of the course, students will be able to

1. Knowledge about design and fashion
2. Recognize following elements and principles of designs.
3. State concepts related to color, theory and color harmony.
4. Relate design garments for people with different figure structure in fashion way.
5. Inquire plan a wardrobe.

### UNIT-I: INTRODUCTION OF FASHION DESIGN

**15 hours**

Design - Definition, Types- Structural and Decorative Design, Requirement, Application in dress design. Introduction to fashion design- Fashion and Style, Design Process, Collection range- Haute couture, Avant garde, Pret- a-Porter.

### UNIT-II: ELEMENTS AND PRINCIPLES OF DESIGN

**15 hours**

Elements of design - Line, Shape or Forms, Color, Size, and Texture. Principle of Design- Balance, Rhythm, Proportion, Harmony and Emphasis. Application of elements and principles in garment.

### UNIT-III: COLOR THEORY

**15 hours**

Colors – Importance of color. Dimensions of Color– Hue, Value, Intensity. Warm and Cool Color Theories-Prang Color System, Munsell Color System. Color Harmony- Related, Contrasting, Neutral.

### UNIT- IV: FIGURE IRREGULARITIES

**15 hours**

Garment Designing for Irregular figure types – Tall and Thin Figure, Tall and Stout Figure, Short and Stout Figure, Short and Thin Figure, Shoulder - Narrow , Round, Broad. Face – Round, Oval, Square, Diamond.

### UNIT-V: WARDROBE PLANNING

**15 hours**

Wardrobe - Definition , Wardrobe Planning – Purpose of a wardrobe plan, Clothing preference for different age groups, Clothing budget – Steps for planning wardrobe – Essential considerations in wardrobe planning. # Wardrobe planning for different occasions#.

#.....# Self-Study Portion

### TEXT BOOKS:

- T.B - 1** Khurana and Sethi, Introduction to Fashion Technology, Fire Well Publication, New Delhi, 2007.  
**T.B - 2** Gupta et al, Text Book of Clothing and Textiles and Laundry, Kalyani Publishers, New Delhi, 2005.  
**T.B - 3** Pundir. N, Fashion Technology Today and Tomorrow, Mittal Publication, New Delhi, 2007.  
**T.B - 4** Narang, Hand Book of Fashion Technology, Asia Pacific Business Press Inc, New Delhi.  
**T.B-5** Fashion Designing- Study Material prepared by the Department.

<b>Unit I</b>	Chapter IV	<b>T.B-1,</b>	Chapter II	<b>T.B-2</b>
<b>Unit II</b>	Chapter VII	<b>T.B-3</b>		
<b>Unit III</b>	Chapter V	<b>T.B-4</b>		
<b>Unit IV</b>	Chapter I	<b>T.B-5</b>		
<b>Unit V</b>	Chapter VI	<b>T.B-4</b>		

### Books for Reference:

- 1.BetsyHosegood, (2006) “The Complete Book of Sewing”, Dorling Kindersley Limited, London,.
- 2.JudithRasband, (1995)“Wardrobe Strategies for Women”, Judith Rasband, Delmar Publishers, London.
- 3.SusheelaDantiyagi, (2006)“Fundamental of Textiles and Their Care”, 5th Edition, Orient Longman Limited, New Delhi.
- 4.DickersonGitty.G, (2004)“Inside the Fashion Business Pearson Education, India.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
I	20UFT1CC1			FASHION DESIGNING			5		5	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓		✓	✓		✓	✓	✓		✓
CO2	✓	✓		✓		✓	✓	✓		✓
CO3	✓	✓	✓	✓		✓	✓	✓		
CO4	✓	✓	✓	✓			✓	✓	✓	✓
CO5			✓	✓	✓		✓	✓	✓	✓
Number of Matches= 36, Relationship : High										

Prepared by :

1. S.Mythili

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very poor	Poor	Moderate	High	Very high

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
I	20UFT1CC2P	Core – II	FASHION ILLUSTRATION - PRACTICAL – I 10%	3	2	100	20	80

### Course Outcomes:

At the end of the course, students will be able to

1. Illustrate the apparel design for elements of designs.
2. Classify and prepare colour charts.
3. How to Sketch the basic shadings and fashion figures.
4. Select the apparel using colour harmony and types of charts.
5. Find the human body in proportions relevant to fashion illustration.

### PREPARE SKETCHES FOR THE FOLLOWING USING ILLUSTRATOR

- |   |                |
|---|----------------|
| 1. Free Hand Drawing.                                 | <b>1 hour</b>  |
| 2. Basics of Shading.                                 | <b>1 hour</b>  |
| 3. Hatching.  | <b>1 hour</b>  |
| 4. Lay figure - 7½ Head Theory.                       | <b>3 hours</b> |
| Fashion Figure - 10 Head Theory                       | <b>3 hours</b> |
| 5. Fashion figure – 12 Head Theory.                   | <b>3 hours</b> |
| 6. Facial features- Eyes, Nose, Lips, Ears.           | <b>3 hours</b> |
| 7. Face, Hands, Legs-Different Positions.             | <b>3 hours</b> |
| 8. Different Hairstyle for Women.                     | <b>3 hours</b> |
| 9. Different poses of Fashion Figure (Women and Men). | <b>3 hours</b> |

### ILLUSTRATE THE COLOR HARMONY USING DRESS DESIGN

- |   |                |
|---|----------------|
| 1. Collars and its types using Monochromatic Colour Harmony           | <b>3 hours</b> |
| 2. Sleeves and its types using Analogous Color Harmony                | <b>3 hours</b> |
| 3. Necklines and its types using Complimentary Colour Harmony         | <b>3 hours</b> |
| 4. Skirts and its types using Double Complimentary Colour Harmony     | <b>3 hours</b> |
| 5. Ladies Tops and its types using Split Complimentary Colour Harmony | <b>3 hours</b> |
| 6. Shirt and its types using Traid Colour Harmony                     | <b>3 hours</b> |
| 7. Pant and its types (Full and Half)                                 | <b>3 hours</b> |
| 8. Accessories-Bags, Foot wear, Hats and its types                    | <b>3 hours</b> |
| 9. Traditional, Modern and Antique and its types.                     | <b>3 hours</b> |

Semester	Code		Title of the Paper			Hours		Credits		
I	20UFT1CC2P		FASHION ILLUSTRATION - PRACTICAL - I			3		2		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓		✓	✓	✓		✓	✓
CO2	✓	✓	✓		✓	✓	✓		✓	✓
CO3	✓	✓	✓		✓	✓	✓		✓	✓
CO4	✓	✓	✓		✓	✓	✓		✓	✓
CO5	✓	✓	✓		✓	✓	✓		✓	✓
Number of Matches= 40, Relationship : High										

Prepared by :

R.Jeevitha

Note:

checked by:

1. Dr. M. Aneez Mohamed

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very poor	Poor	Moderate	High	Very high

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
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I	20UFT1AC1	Allied - I	<b>BASIC GARMENT CONSTRUCTION 35%</b>	5	4	100	25	75
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### Course Outcomes:

At the end of the course, students will be able to

1. Knowledge about various components of garment construction and its application.
2. Classify the facing, fullness, plackets and fasteners.
3. Classify the pattern making, drafting and importance of draping.
4. Identify the sleeves and collars and its types.
5. Knowledge about garment finishing.

### UNIT- I: BODY MEASUREMENTS, TOOLS, SEAMS, SEAM FINISHES & HEMS 15 hours

Body Measurements – Importance, # Preparation for measuring #.Ladies Measurements, Children's measurement, Boy's and Men's measurements. Tools for clothing construction – Cutting tools, measuring tools, marking tools, general tools, pressing tools. Seams – Definition and its types. Seam Finishes- Definition and its types. Hems – definition and its types.

### UNIT-II: FACING, FULLNESS & POCKETS 15 hours

Facings - Bias Facings, Shaped Facing and Decorative Facing. Binding - Single bias Binding, Double bias binding. Fullness-Definition, Types - Darts, Tucks, Pleats, Flares and Godets, Gathers, Frills and Ruffles. Pockets-Types - # Patch pocket #, Bound pocket, Pocket in a Seam, Front hip pocket.

### UNIT-III: PATTERN MAKING, DRAFTING AND DRAPING 15 hours

Pattern Making – Methods of pattern making – Drafting Types of paper patterns –basic pattern, commercial and custom made patterns. Principles of pattern drafting, Types of paper used for pattern making. Drafting for Basic Bodice Front #, Back and Sleeve #. Draping- Preparation of Body Form, Steps in Draping a Basic Bodice Front, Back and Sleeve. Pattern Grading - Definition, Types – manual and computerized, Pattern Grading for basic bodice Front, Back and Sleeve.

### UNIT-IV: SLEEVES & COLLARS 15 hours

Sleeves-Definition, Types -Plain Sleeve, Puff Sleeve and its variations, Bishop Sleeve, Leg-O-Mutton, Bell and Circular. Modified armhole- Squares Armhole, Cap Sleeve and Magyar Sleeve. Sleeve and Bodice combined- Raglan Sleeve, Kimono Sleeve. Collars -Definition, Types - Peter pan, Scalloped, Sailor, Rippled, Full Shirt Collar, # Open Collar, Shawl Collars#, Stand Collar, Chinese Collar and Turtle Neck Collar.

### UNIT – V: PLACKETS, YOKES & FASTNERS 15 hours

Yokes – Definition, Types – Yoke with fullness, Yoke without Fullness, Yoke supporting/Releasing Fullness. Plackets - Definition, # Characteristics of good placket #, Types - Inconspicuous Plackets and Conspicuous Plackets. Fastners – Definition, types - button and button hole and press buttons, hooks, eyes, zipper, eyelets and cord.

#.....# **Self-Study Portion**

### Text Book:

**T.B - 1** Mary Mathews, Practical Clothing Construction-Part I & II, Cosmic Press, Chennai, 1974.

<b>UNIT I</b>	Chapter V	<b>T.B –1</b>
<b>UNIT II</b>	Chapter VI & XI	<b>T.B – 1</b>
<b>UNIT III</b>	Chapter VII, IX & X	<b>T.B – 1</b>

**Books for Reference:**

1. The complete Book of Sewing, (2006), Betsy Hosegood, Dorling Kindersley limited, London.
2. The practical Encyclopedia of Sewing, (2007) Dorothy Wood, Anness Publishing.
3. Fashion Production Terms, Debbie Ann Gioello, Fair Child Publications, New York, 1979
4. Draping and Pattern Making for Fashion Design, Kamal Khurand, Sonali Publications, New Delhi, 2012.
5. Clothing and Textiles, Swathi Bhargava, Shree Niwas Publications, Jaipur, 2010.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
I	20UFT1AC1		BASIC GARMENT CONSTRUCTION			5		4		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓				✓		✓		✓
CO2	✓	✓		✓		✓		✓		✓
CO3	✓	✓				✓		✓	✓	✓
CO4	✓	✓		✓		✓	✓	✓		✓
CO5	✓	✓				✓		✓		✓
Number of Matches= 30, Relationship : Moderate										

Prepared by :

checked by:

1. C. Jenitta

1. Dr. M. Aneez Mohamed

Note:

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very poor	Poor	Moderate	High	Very high

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
I	20UFT1AC2P	Allied - II	BASIC GARMENT CONSTRUCTION – PRACTICAL 5%	3	2	100	20	80



**Course Outcomes:**

At the end of the course, students will be able to

1. Inquire the knowledge in components of Garment construction.
2. Examine the fullness and hems.
3. Classify the Garment Binding and Fasteners
4. Analyze the Sleeves and Yokes
5. Experiment with collar and pocket.

**UNIT – 1 INTRODUCTION**

Introduction For Garment Construction

Preparation of samples for Seams and Seam Finishes.

**UNIT-II PREPARATION OF HEMS AND FULLNESS**

Samples for Hems, Fullness – Tucks, Darts, Pleats, Gathers, Frills.

**UNIT-III PREPARATION OF BINDING AND FASTNERS**

Samples for Facings and Binding, Plackets and Fasteners.

**UNIT-IV PREPARATION OF SLEEVES AND YOKES**

Samples for Sleeves - Plain Sleeve, Puff Sleeve, Raglan sleeve Kimono Sleeve (any one).

Samples for Yokes -with Fullness, Supporting and Releasing (any one).

**UNIT-V PREPARATION OF COLLAR AND POCKET**

Samples for Collar- Peter Pan Collar, Full Shirt Collar Shawl Collar, Stand Collar (any one).

Samples for Pocket - Patch, Bound and Pocket set into Seam (any one).

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
I	20UFT1AC2P		BASIC GARMENT CONSTRUCTION - PRACTICAL			3		2		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO2		✓			✓			✓		
CO3	✓	✓	✓	✓	✓		✓	✓	✓	
CO4	✓	✓			✓				✓	
CO5			✓	✓	✓	✓	✓		✓	
Number of Matches= 31, Relationship : Moderate										

Prepared by :

1. K.Sudha

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very poor	Poor	Moderate	High	Very high

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
II	20UFT2CC3	Core - III	TEXTILE SCIENCE	6	5	100	25	75

### Course Outcomes:

At the end of the course, students will be able to

1. Classify the basic textile fibers and fabrics.
2. Define fibers yarn and Fabric.
3. Develop the knitted Woven and Nonwoven Fabric structures
4. Describe the manufacturing process of fibers yarn and Fabric
5. Describe the chemical process in manmade fibers.

### UNIT-I: FIBERS CLASSIFICATION

18 hours

Fibers – Definition, Classification – Natural, manmade and synthetic. General properties of fibers – primary and secondary properties.

### UNIT-II: FIBER MANUFACTURING PROCESS

18 hours

Manufacturing Process, # Properties and Uses of Fibers – Natural Fiber - Cotton, Linen, Jute, Silk, Wool. Synthetic Fiber – Nylon, Polyester, Acrylic. Manmade Fibers - Viscose, Acetate Rayon.

### UNIT-III: YARN MANUFACTURING PROCESS

18 hours

Yarn – Definition, classification – simple and fancy yarns. Spinning - Definition, Types of Spinning – Chemical, Mechanical –Ring and Open End. Spinning process of Cotton – blending, opening and cleaning, Carding, Doubling, Combing, Drawing, Roving, Spinning. Twist and its types.

### UNIT-IV: WOVEN

18 hours

Weaving – Definition, Parts and functions of basic loom. Basic Weaves – Plain, Twill, # Satin #. Novelty weaves - Jacquard and Dobby.

### UNIT-V: KNITTING AND NON-WOVENS

18 hours

Introduction to Knitting -Definition, Classification of Knitting – Warp and Weft. Types of knits-single jersey, rib, interlock.

Nonwoven-Definition and uses - Felting, Fusing, Bonding, Lamination. # Netting, Braiding #, Uses of Nonwoven.

### #.....# Self-Study Portion

### Text Books:

**T.B-1** Corbman .B.P, Textile – Fiber to Fabric Third Edition, International Students Edition, McGraw Hill Book Co, Singapore, 1985.

**T.B-2** Gupta et al, Text Book of Clothing and Textiles and Laundry, 5th Edition, Kalyani Publishers, New Delhi, 2006.

<b>Unit I</b>	Chapter I	<b>T.B-1</b>	Chapter II	<b>T.B-2</b>
<b>Unit II</b>	Chapter IV, V	<b>T.B-1</b>	Chapter II	<b>T.B-2</b>
<b>Unit III</b>	Chapter II	<b>T.B-1</b>		
<b>Unit IV</b>	Chapter IV	<b>T.B-1,</b>	Chapter II	<b>T.B-2</b>
<b>Unit V</b>	Chapter V, VIII	<b>T.B-1</b>		

### Books for Reference:

1. J.Gordon Cook, “Hand Book Of Textile Fibers” VOL-II Manmade Fibers, Wood Head Publishing.

2. Seema Sekhri,(2016) Textbook of fabric science ,Fundamentals to Finishing, second edition,PHI learning publishing New delhi.
3. Deepali Rastogi, Sheetal Chopra (2017), Textile Science, Orient Blackswan pvt ltd New Delhi.
4. Sohel Rana, Raul Fanguero, (2016), Fibrous and Textile Materials for Composite Applications, Springer publications Portugal.
5. Robert R. Maher ,Robert H. Wardman (2015), The Chemistry of Textile fibers,The Royal Society of chemistry publications, Cambridge

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
II	20UFT2CC3			TEXTILE SCIENCE			6		5	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓		✓	✓	✓		✓	✓	✓	
CO2	✓	✓	✓	✓	✓			✓		✓
CO3	✓	✓	✓		✓		✓	✓	✓	✓
CO4	✓		✓	✓				✓	✓	✓
CO5	✓			✓	✓			✓	✓	✓
Number of Matches= 34, Relationship : Moderate										

Prepared by :

1. V.C. Archana

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very poor	Poor	Moderate	High	Very high

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
II	20UFT2CC4P	Core - IV	FASHION ILLUSTRATION - PRACTICAL - II	3	2	100	20	80

## **Course Outcomes:**

At the end of the course, students will be able to

1. Acquire the types design.
2. Illustrate the garment design for elements of design.
3. Illustrate garment designs for the principle of design.
4. Illustrate garment designs for the different shapes.
5. Classify dresses for figure irregularities.

### **ILLUSTRATE GARMENT DESIGN FOR FOLLOWING**

**5 hours**

- Structural Design
- Decorative Design

### **ILLUSTRATE GARMENT DESIGNS FOR THE ELEMENTS OF DESIGN**

**8 hours**

- Line
- Colors
- Texture
- Shape
- Size

### **ILLUSTRATE GARMENT DESIGNS FOR THE PRINCIPLES OF DESIGN**

**9 hours**

- Balance
- Harmony
- Emphasis
- Proportion
- Rhythm

### **ILLUSTRATE GARMENT DESIGN FOR THE FOLLOWING**

**10 hours**

- Salwar Kameez – its types.
- Casual Wear (Women and Men) – using textured effect.
- Formal Wear (Women and Men) – using rendering effect.
- Party Wear (Women and Men) - using various printed design.

### **ILLUSTRATE THE SUITABLE GARMENT DESIGNS FOR FIGURE IRREGULARTIES**

**7 hours**

- Thin Figure
- Plus Size
- Standard Figure

- Variation in Structure

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
II	20UFT2CC4P		FASHION ILLUSTRATION - PRACTICAL - II			3		2		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓		✓	✓		✓	✓
CO2	✓	✓	✓	✓		✓	✓		✓	✓
CO3	✓	✓	✓	✓		✓	✓		✓	✓
CO4	✓	✓	✓	✓	✓	✓	✓		✓	✓
CO5	✓	✓	✓	✓		✓	✓		✓	✓
Number of Matches= 41, Relationship : High										

Prepared by :

1. R.Jeevitha

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very poor	Poor	Moderate	High	Very high

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
II	20UFT2AC3P	Allied – III	PATTERN MAKING - PRACTICAL	4	3	100	20	80

### Course Outcomes:

At the end of the course, students will be able to

1. Define and acquaint the students with the importance of taking body measurements and size chart.
2. Classify and gain knowledge about pattern making and grading.
3. Explain and they would have acquired knowledge on creation of styles.
4. Classify the women's garments.
5. Classify the men's garments.

### **I. Designing and Draft the following Children's Garments**

- |  |                |
|--|----------------|
| 1. Baby Bed/Laytee.                    | <b>2 hours</b> |
| 2. Infant Wears- Bib, Panty and Jabla. | <b>2 hours</b> |
| 3. Baba Suit / Romper.                 | <b>2 hours</b> |
| 4. Summer Frock.                       | <b>2 hours</b> |
| 5. Yoke Frock.                         | <b>2 hours</b> |
| 6. Slack Shirt.                        | <b>2 hours</b> |
| 7. Knickers.                           | <b>2 hours</b> |

### **II. Designing and Draft the following Women's Garments**

- |   |                |
|---|----------------|
| 8. Saree Petticoat- Six Panel.                  | <b>2 hours</b> |
| 9. Blouse                                       | <b>2 hours</b> |
| 10. Middi.                                      | <b>2 hours</b> |
| 11. Middi Top.                                  | <b>2 hours</b> |
| 12. Salwar / Churidhar/ Palazoo Pant (any one). | <b>2 hours</b> |
| 13. Kameez, A- Line, Dabang (any one).          | <b>2 hours</b> |
| 14. Nightie.                                    | <b>2 hours</b> |
| 15. Night Pant.                                 | <b>2 hours</b> |

### **III. Designing and Draft the following Men's Garments**

- |                     |                |
|---------------------|----------------|
| 16. S.B Vest.       | <b>2 hours</b> |
| 17. T-Shirt.        | <b>2 hours</b> |
| 18. Slack Shirt.    | <b>2 hours</b> |
| 19. Kalidhar Kurta. | <b>2 hours</b> |
| 20. Nehru Kurta.    | <b>2 hours</b> |

21. Pyjama/Bermudas.

**2 hours**

22. Narrow Bottom/ Pleated

**2 hours**

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
II	20UFT2AC3P			PATTERN MAKING - PRACTICAL			4		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓		✓		✓	✓		✓	✓
CO2	✓	✓	✓	✓		✓	✓		✓	✓
CO3	✓	✓	✓	✓		✓	✓		✓	✓
CO4	✓	✓	✓	✓	✓	✓	✓		✓	✓
CO5	✓	✓	✓	✓		✓	✓		✓	✓
Number of Matches= 40, Relationship : High										

Prepared by :

checked by:

1. R. Jeevitha

1. Dr. M. Aneez Mohamed

Note:

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very poor	Poor	Moderate	High	Very high

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
II	20UFT2AC4	Allied – IV	GARMENT MANUFACTURING TECHNOLOGY 10%	3	2	100	25	75

**Course Outcomes:**

At the end of the course, students will be able to



1. Understand the of garment manufacturing unit.
2. Develop Spreading, and Cutting techniques
3. Identify the Special attachments in Sewing machines
4. Gain Knowledge about stitch Mechanism
5. Analyse Garment Finishing and Fusing

## **UNIT-I: INTRODUCTION**

**9 hours**

Garment Manufacturing Unit – Organization Structure, Workflow. Designers role– process involved in designing a design sheet – analysis and # evaluation of counter sample #.

## **UNIT-II: SPREADING & CUTTING METHODS**

**9 hours**

Spreading – Definition, Function, Types - Hand and Machine Spreading. Marking – Methods of marking, # Requirements of Marker Planning #. Cutting Technology - Definition, Function, Steps in preparing Fabric for Cutting, Layout and its types, Equipments – Straight Knife, Band Knife, Round Knife, Computer Controlled Cutting Machine.

## **UNIT-III: SEWING MACHINERIES**

**9 hours**

Sewing Machineries-Classification of Sewing Machines, Parts and Functions of Single Needle Machine, Over Lock Machine, Bar Taking Machine, Button Hole Machine, Button Fixing Machine, Feed-of the-Arm Machine, Blind Stitching Machine, Fabric Examining Machine. Care and Maintenance, # Common Problems and Remedies #.

## **UNIT-IV: STITCHING MECHANISMS**

**9 hours**

Stitching Mechanisms- Needle, Bobbin and Bobbin Case, Bobbin Winding, Loops and Loop Spreader, Threading Finger, Upper and Lower Threading, Auxiliary Hooks, Tension Disc-Upper and Lower Thread Tension, # Stitching Auxiliaries - Pressure Foot and its Types #.

## **UNIT-V: GARMENT FINISHING TECHNIQUES**

**9 hours**

Pressing – equipments, packing. Fusing – Definition, Methods of fusing. Federal standard for stitching and stitch classification, seam and seam classification.

#.....# **Self-Study Portion**

### **Text Books:**

**T.B 1** Tyler, The Technology of Clothing Manufacture, Fourth Edition, Black well Publishing, Australia, 2008.

**T.B 2** Mary Mathews, Practical Clothing Construction-Part I & II, Cosmic Press, Chennai, 1974.

<b>UNIT I</b>	Chapter II	<b>T.B –1</b>
<b>UNIT II</b>	Chapter II	<b>T.B – 1</b>
<b>UNIT III</b>	Chapter II	<b>T.B – 1</b>
<b>UNIT IV</b>	Chapter II	<b>T.B – 2</b>
<b>UNIT V</b>	Chapter VI	<b>T.B – 1</b>

**Books for Reference:**

1. Betsy Hosegood , The Complete Book of Sewing, , Dorling Kindersley Limited, London, 2006.
2. The Technology of Clothing Manufacture, David J. Carr and Latham's, 2008.

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
III	20UFT3CC5	Core – V	INDIAN TRADITIONAL COSTUMES AND EMBROIDERY	4	4	100	25	75

3. Mary Mathews, Practical construction-Part I& II, Cosmic Press, Chennai, 1974.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
II	20UFT2AC4		GARMENT MANUFACTURING TECHNOLOGY			3		2		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓			✓	✓	✓		✓
CO2	✓	✓		✓	✓	✓		✓		✓
CO3	✓	✓	✓	✓	✓		✓		✓	
CO4	✓	✓				✓	✓			✓
CO5			✓	✓	✓		✓	✓	✓	
Number of Matches= 32, Relationship : Moderate										

Prepared by :

1. B. Jabeen

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1-29%	30-59%	60-69%	70-89%	90-100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very poor	Poor	Moderate	High	Very high

**B.Sc. FASHION TECHNOLOGY AND COSTUME DESIGNING****Course Outcomes:**

At the end of this course, students will be able to

1. Acquire knowledge about ancient costumes
2. Analyze the different statewise costumes

3. Explain the concepts related to traditional embroidery
4. Understand the traditional designs for woven textiles
5. Identify the types of printed, painted and dyed textiles.

### **UNIT-I: INTRODUCTION TO INDIAN COSTUMES**

**12 Hours**

Indian costume – Introduction, Origin Of Costumes, Beginning of Costumes – Indo Aryans - Vedic Ages, Mauryan and Sunga period, # Satavahana period, Kushan period # Mughal period.

### **UNIT- II: TRADITIONAL COSTUMES OF INDIA**

**12 Hours**

Introduction to traditional Indian costumes - North Zone Costumes - Costumes of Punjab, Himachal Pradesh, Uttar Pradesh , Rajasthan, Jammu and Kashmir. East Zone Costumes - Assam, West Bengal, Bihar. West Zone Costumes – Madhya Pradesh, Gujarat, Maharashtra. South Zone Costumes- Kerala, Karnataka. TamilNadu .# Contemporary knowledge using traditional design.

### **UNIT-III: EMBROIDERIES OF INDIA**

**12 Hours**

Kasida of Kashmir, Kanthas of Bengal, Chambarummam of Himachal Pradesh, # Chickenkari of Uttar Pradesh #, Pulkhari of Punjab, Kasuthi of Karnataka, Kutch or Sindhi of Gujarat, Shamilami of Manipuri Embroidery, Toda embroidery of Tamil Nadu.

### **UNIT-IV: TRADITIONAL WOVEN TEXTILES**

**12 Hours**

Introduction to woven textiles of India – Uttar Pradesh- Banaras, Tanchoi, # Gujarat- Patola, Bengal- Baluchari and Jamdani #, Maharashtra- Paithani. Pithambar, Mathya Pradesh- Chanderi and Maheswari Saree, Tamilnadu- Kanchipuram, Chinnalapatti, Madurai Sungudi, Andhrapradesh- Pochampali. Kashmir-Shawl.

### **UNIT-V: TRADITIONAL PRINTED AND DYED TEXTILES**

**12 Hours**

Printed textiles – Kalamkari, Block printing, Roghanprinting .Painted textiles - Mata-mi-Pachedi, Pabuji-ka-Pad. Dyed textiles – Ikat, Patola, # Bandhani, Laharia, Mashru #.

#.....# **Self-Study Portion**

#### **TEXT BOOKS:**

**T.B-1** Dr. Parul Bhatnagar, Traditional Indian costumes and Textiles, First Edition, Abhishak Publications, Chandigarh, India, 2004.

**T.B-2** Manmeet Sodhia, History of Fashion, Kalyani Publishers, New Delhi, 2007.

**T.B-3** Manmeet Sodhia, History of Fashion, Kalyani Publishers, New Delhi, 2009.

**T.B-4** History of Costumes and Textiles – Study Material prepared by the Department.

<b>Unit I</b>	Chapter I	<b>T.B-1</b>
<b>Unit II</b>	Chapter XIV	<b>T.B-2</b>
<b>Unit III</b>	Chapter XVI	<b>T.B-2</b>
<b>Unit IV</b>	Chapter XIX	<b>T.B-3</b>
<b>Unit V</b>	Chapter X	<b>T.B-4</b>

#### **Books for References:**

1. Govind Sadashiv Ghurye , “Indian Costume”, Popular Prakashan Publication, 1966.
2. Ritu Kumar, “Costumes and Textiles of Royal India Antique Collectors”, Club, 2006.
3. Arabinda Biswas, “Indian Costumes”, Ministry of Information and Broadcasting Publication Division, 1985.

4.ZamilaBrijBhushan, “Indian Embroidery”, Ministry of Information and Broadcasting Publications Division, Government of India, 1990.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
III	20UFT3CC5		INDIAN TRADITIONAL COSTUMES AND EMBROIDERY			4		4		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓	✓		✓	✓	✓	✓
CO2	✓	✓	✓		✓	✓		✓	✓	
CO3		✓	✓	✓		✓		✓	✓	✓
CO4	✓	✓	✓		✓	✓	✓	✓	✓	✓
CO5	✓		✓	✓		✓	✓	✓	✓	✓
Number of Matches= 40, Relationship : High										

Prepared by:

1. A.G.Meera

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
III	20UFT3CC6P	Core-VI	GARMENT CONSTRUCTION FOR CHILDREN'S WEAR - PRACTICAL	3	2	100	20	80

#### Course Outcomes:

At the end of this course, students will be able to

1. Draft and construct the garments of various components as per the designs.
2. Analyze and apply the various measurements in pattern making.
3. Distinguish the use various tools and equipments as per requirements.
4. Modify the pattern for required designs.
5. Apply the standard measurements to create the required garment.

#### Design and construct the following Garments

- |  |                |
|--|----------------|
| 1. Baby Bed/Laytee.                    | <b>6 Hours</b> |
| 2. Infant wears- Bib, Panty and Jabla. | <b>6 Hours</b> |
| 3. Baba suit / Romper.                 | <b>6 Hours</b> |

4. Summer Frock-with Suspenders at Shoulder Line, Without Sleeve. **6 Hours**

5. Yoke frock- yoke at Neck Line, Puff Sleeve, Gathered Skirt /

Pleated skirt.

**7 Hours**

6. Slack Shirt-Open Collar, Pocket & Without Yoke.

**7 Hours**

7. Knickers - Elastic Waist.

**7 Hours**

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
III	20UFT3CC6P			Core-VI			3		2	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓		✓	✓	✓		✓	✓	✓
CO2		✓		✓	✓	✓		✓	✓	✓
CO3	✓	✓			✓			✓	✓	✓
CO4	✓	✓			✓	✓		✓	✓	✓
CO5	✓	✓		✓	✓	✓		✓	✓	✓
Number of Matches= 36 , Relationship : High										

Prepared by:

1.C.Jenitta

checked by:

1.Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
III	20UFT3AC5	Allied – V	FABRIC STRUCTURE	4	3	100	25	75

#### **Course Outcomes:**

At the end of this course, students will be able to

1. Acquire knowledge about design and draft
2. Understand the structure of the fabric and make a draft for the design
3. Discover the design by identifying the weave structures.
4. Examine the fabric by using the draft design.
5. Observe different fabric by finding the new structure.

#### **UNIT-I: WOVEN DESIGN FUNDAMENTALS**

**12 Hours**

Introduction, Classification of Woven structures, Methods of weave Representation, Weave repeat, Basic elements of a woven design, Types of draft plans. Weaves – Plain, Modification of plain weave-Rib and its classification, Twill, Satin and Sateen. #End uses of the above weaves#.

#### **UNIT- II: WEAVE DERIVATION**

**12 Hours**

Honey Comb - ordinary, brighten. Weaves – Huck a Back, Crepe and Mock Leno.  
#End uses of the above weaves#.

### **UNIT-III: FIGURED FABRICS**

**12 Hours**

Extra warp and extra weft figuring – single and two colors, Difference between extra warp and extra weft figuring. Backed fabric- warp, weft, Difference between warp faced and weft faced # End uses of the above weaves#.

### **UNIT-IV: PILE FABRICS**

**12 Hours**

Pile Fabric- Classification of Pile Fabric – Weft File Fabric - Weft Plushes, Corded Velveteens. Warp Pile Fabric – Terry Pile - 3 pile. #End uses of the above weaves#.

### **UNIT-V: DOUBLE CLOTH**

**12 Hours**

Double Cloth- Classification of Double Cloths, Self Thread Stitching – Stitching from Face to back, Back to Face and Combination. Centre stitched double cloth. #End uses of the above weaves#.

# .....# **Self-Study Portion**

### **TEXT BOOK:**

**T.B-1** N.Gokarneshan, Fabric Structure and Design, , New Age International (P) Ltd, Publishers, New Delhi, 2006.

<b>Unit I</b>	Chapter II, III & IV	<b>T.B-1</b>
<b>Unit II</b>	Chapter V, VI, VII & X	<b>T.B-1</b>
<b>Unit III</b>	Chapter XI & XIII	<b>T.B-1</b>
<b>Unit IV</b>	Chapter XII	<b>T.B-1</b>
<b>Unit V</b>	Chapter XI	<b>T.B-1</b>

### **Books for References:**

1.M.G. Mahadevan, Textiles Spinning, Weaving and Designing, First Edition, Abhishek Publications Chandigarh, 2005.

2. W.S. Murphy, Textile Weaving and Design, First Indian Edition, Abhishek Publications, Chandigarh, 2007.

3. Dr.J.Hayavadana, Woven Fabric Structure Design and Product Planning, Woodhead Publishing India in Textiles.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

<b>Semester</b>	<b>Code</b>	<b>Title of the Paper</b>	<b>Hours</b>	<b>Credits</b>
<b>III</b>	<b>20UFT3AC5</b>	<b>FABRIC STRUCTURE</b>	<b>4</b>	<b>3</b>
Course Outcomes	Programme Outcomes (POs)		Programme Specific Outcomes (PSOs)	

(COs)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO3	✓	✓		✓		✓	✓	✓	✓	
CO4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO5	✓	✓		✓		✓		✓	✓	
Number of Matches= 43, Relationship : High										

Prepared by:

1. T.Nisaanthy

checked by:

1.Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
VI	20UFT3AC6P	Allied – VI	FABRIC STRUCTURE-PRACTICAL	3	2	100	20	80

### Course Outcomes:

At the end of this course, students will be able to

1. Examine the weave structure for the given fabrics
2. Identify the weave design by using the draft.
3. Develop the peg plan, draft for the given weave fabric.
4. Analyze the weave pattern in the fabric and create the draft.
5. Demonstrate the design and make a count of yarns in the fabric.

**IDENTIFY THE FOLLOWING WEAVE DESIGN AND DRAFT A PEG PLAN FOR THE SAME:**

#### I. WOVEN STRUCTURE

- |                 |         |
|-----------------|---------|
| 1. PLAIN WEAVE  | 3Hrs    |
| 2. TWILL WEAVE  | 3 Hours |
| 3. SATIN WEAVE  | 3 Hours |
| 4. SATEEN WEAVE | 3 Hours |



5. HONEY COMB WEAVE	3 Hours
6. HUCK - A – BACK WEAVE	3 Hours
7. JACQUARD WEAVE	3 Hours
8. DOBBY WEAVE	3 Hours
9. PILE WEAVE	3 Hours
10. EXTRA WARP FIGURING	3 Hours
11. EXTRA WEFT FIGURING	3 Hours

## II. KNITTED STRUCTURE

1. SINGLE JERSEY	3 Hours
2. PURL	3 Hours
3. RIB	3 Hours
4. INTERLOCK	3 Hours

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
VI	20UFT3AC6P			FABRIC STRUCTURE-PRACTICAL			3		2	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓		✓	✓	✓	✓	✓	✓	
CO2	✓	✓	✓	✓		✓	✓	✓		✓
CO3	✓	✓	✓	✓	✓	✓			✓	
CO4	✓	✓	✓	✓	✓		✓	✓	✓	✓
CO5		✓	✓	✓		✓	✓	✓		✓
Number of Matches= 38, Relationship : High										

Prepared by:

1. T.Nisaanthy

checked by:

1.Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
III	20UFT3GE1P	GENERIC ELECTIVE I	HAND EMBROIDERY - PRACTICAL	2	2	100	-	100

### Course Outcomes:

At the end of this course, students will be able to

1. Create design for basic hand stitches.
2. Understand and identify the color combinations for basic embroidery stitches.
3. Develop and create new designs for advance stitches.
4. Apply the types of other surface embroidery in fabric.
5. Interpret the Different techniques of other surface embroidery with basic and advanced embroidery.

#### 1. BASIC HAND STITCHES

**7 Hours**

- a. Running
- b. Hemming
- c. Back Stitch

#### 2. BASIC EMBROIDERY STITCHES

**7 Hours**

- a. Chain stitch – Magic Chain Stitch
- b. Stem Stitch
- c. Lazy Daisy Stitch
- d. Blanket (or) Button Hole Stitch
- e. Satin

#### 3. ADVANCED EMBROIDERY STITCHES

**8 Hours**

- a. French Knot
- b. Bullion Knot
- c. Feather
- d. Herring bone

e. Cross Stitch

#### 4. OTHER SURFACE EMBROIDERY

8 Hours

- a. Bead
- b. Mirror work
- c. Patch Work
- d. Fringes
- e. Zerdosi

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
III	20UFT3GE1P		HAND EMBROIDERY - PRACTICAL			2		2		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓		✓		✓	✓	✓	✓	✓
CO2	✓	✓	✓			✓	✓	✓	✓	✓
CO3	✓	✓	✓	✓		✓	✓	✓	✓	✓
CO4	✓	✓	✓	✓		✓	✓	✓	✓	✓
CO5	✓	✓	✓	✓		✓	✓	✓	✓	✓
NUMBER OF MATCHES=44 , RELATIONSHIP : High										

Prepared by:

checked by:

1. S.Mythili

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
III	20UCN3AE2	AEC-II	ENVIRONMENTAL STUDIES	2	2	100	100	-

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
IV	20UFT4CC7P	Core-VII	Fashion photography- Practical	5	5	100	20	80

**Course outcome:**

At the end of this course, students will be able to

1. Describe knowledge in creative designs in fashion photography
2. Understand the fundamentals of photography
3. Identify the techniques for in videography
4. Demonstrate the actions of photography
5. Adapt the ethics in lighting and editing

**UNIT-I BASICS OF CAMERA**

**14 Hours**

1. Aperture, Shutter Speed, and ISO.
2. Indoor\Out door and Product Photography.

**UNIT –II FUNDAMENTALS OF PHOTOGRAPHY**

**14 Hours**

3. Nature -Landscape -wide, Close up.
4. Composition -Normal, Wide, Tele.

**UNIT-III TYPES OF CAMERAS**

**15 Hours**

5. Compact cameras, Lenses and Mobile cameras.
6. Mirrorless Camera, DSLR Camera.

**UNIT-IV ACTION PHOTOGRAPHY**

**16 Hours**

7. Indoor photography -Portrait -Single, Group.
8. Videography-Live Action and Animation.

**UNIT-V LIGHTING & EDITING**

**16 Hours**

9. Lighting –Top-light, key light, back light, side light, low light.

10. Editing- Image Editing, Post-processing, Rising & Cropping, Sound & Music mixing, Exposure.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
IV	20UFT4CC7P		Fashion photography-practical			5		5		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓					✓				
CO2			✓		✓		✓		✓	
CO3										
CO4				✓						
CO5										
Number of Matches= 36 , Relationship : High										

Prepared by:

checked by:

1. Jabeen.B

1.Dr.M.Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
IV	20UFT4CC8	Core-VIII	Fashion Clothing and Psychology	3	2	100	25	75

### Course Outcomes:

At the end of this course, students will be able to

1. Describe the basic concepts of fashion design.
2. Acquire knowledge in fashion psychology.
3. Interpret the fashion victim and innovators.
4. Categorize fashion designers.
5. Enumerate the world wide fashioncenter.

### UNIT-I: FASHION TERMS

9 Hours

Terminology of fashion -Style, Fashion, design, taste, classic, fad, trend, chic,Mannequin,Fashion show, Trade show.Components of fashion-Silhouette, details, texture and colour.#Role of Fashion designer.Essential attributes of a fashion designer.#

### UNIT-II:FASHION PSYCHOLOGY

9 Hours

#Fashion adoption# Theories of fashion Flow-Downward Theory, upward flow theory, Horizontal flow theory. Factors influencing Fashion Changes-Psychological, Social, Technological, Economical, Political, Legal and Seasonal Influence.**Fashion cycle- Fashion cycles,Length of cycles.**

### UNIT-III: FASHION CHANGES AND CONSUMER ACCEPTANCE

9 Hours

Fashion Victim - Fashion Leaders, Fashion Innovators and influentials, Fashion followers. #Fashion Forecasting-Process of forecasting-Market Research, Evaluating the Collection# Services of forecasting-Fashion, Colours, Video, Newsletter, Websites, Directories and references.

### UNIT-IV: FASHION DESIGNERS

9 Hours

Types of fashion designers-classicists,Idealist,Influenced,Realist,ThinkingPoet.Indian Designers-Ritu Beri, RohitKhosla, HemantTrivedi, J.J.Valaya, Ritu Kumar,**Manish Malhotra, AbuJani and SandeepKhosla, Rina Dhaka and RohitBal,RohitBal**, TarunTahiliani, Sangeetha Chopra, BhaminiSubramaniam, # **Manish Arora ,Wendell Rodricks.**#

### UNIT-V: WORLD WIDE FASHION CENTERS

9 Hours

Fashion Centers in india-Delhi,Mumbai,Kolkata.International fashion Centres- Paris, Italy, London, New York, Milan, Upcoming Fashion Centres Fashion Weeks London Fashion Week, Paris Fashion Week, Hong kong Fashion Week.

#.....# Self-Study Portion

### TEXT BOOKS:

**T.B-1** Elaine Stone, The Dynamics of Fashion, Fairchild Publications, New York, 2001.

**T.B-2** Jenny Davis, A Complete Guide to Fashion Designing, 1<sup>st</sup> Edition, Abhishek Publication, Chandigarh, 2009.

**T.B-3** Frings, Fashion from Concept to Consumer, 7th Edition, Dorling Kindersley Publishing Inc, India, 2008.

**T.B-4** Man Meet Sodhia, History of Fashion, Kalyani Publishers, New Delhi, 2009.

**T.B-5** Man Meet Sodhia, History of Fashion, Kalyani Publishers, New Delhi, 2007

**Unit I**            **T.B-1 and 2**  
**Unit II**        **T.B-1, 2 and 4**  
**Unit III**       **T.B-1 and 3**  
**Unit IV**       **T.B-1 and 4**  
**Unit V**        **T.B-1, 3 and 4**

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
IV	20UFT4CC8			Fashion clothing and psychology			3		2	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓		✓	✓	✓	✓		✓	✓
CO2	✓		✓	✓	✓	✓	✓		✓	✓
CO3	✓		✓	✓	✓	✓	✓	✓	✓	✓
CO4	✓			✓	✓	✓	✓		✓	✓
CO5	✓			✓	✓	✓	✓		✓	✓
Number of Matches= 39 , Relationship : High										

Prepared by:

1.K.sudha

checked by:

1.Dr.M.Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High



Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
IV	20UFT4AC7P	Allied - VII	KNITTING	5	3	100	20	80

### Course Outcomes:

At the end of this course, students will be able to

1. Understand the concepts of Knitting.
2. Observe the elements of knitting.
3. Acquire knowledge in Types of knits.
4. Discuss the types of knits.
5. Enumerate the knit structures.

### UNIT-I: INTRODUCTION

**14 Hours**

Knitting – Definition, Classification. History of Knitting, Comparison between - knitting and weaving – knitted and woven fabrics. # Characteristics of Knitted Goods #.

### UNIT-II: KNITTING TERMS AND ELEMENTS

**14 Hours**

General terms of knitting – course, Wales, loop-knit, miss, tuck stitch- #stitch density#. Elements of Knitting – loop structure- needle loop, sinker loop, face loop, back loop- needle. Machine gauge, Representation of Knits.

### UNIT – III: MACHINE DESCRIPTION

**15 Hours**

Machine description – frame – drive – needles – # loop forming sequence of latch, spring bearded, compound needles# – sinkers - sinkers operation- cylinder – dial – cams- creels – feeders- fabric spreader – take down and winding mechanism. Needle Loop Formation, Sinker loop formation.

### UNIT-IV: WEFT KNITTING

**16 Hours**

#Classification# – Passage of yarn through single jersey circular weft knitting machine. Basic structure and properties weft knit structures – single jersey or plain – rib – interlock – purl. Production of Knit Structures.

### UNIT-V: WARP KNITTING

**16 Hours**

#Classification# – Passage of yarn through warp knitting machine. Basic structure and properties warp knit structures – tricot, raschel, simplex fabrics. Warp knits uses ,advantages and Application in various fields.

#.....# **Self Study Portion**

### TEXT BOOKS:

**T.B-1** Spencer.D.J, Knitting Technology, Pergeman Press UK.

**T.B – 2** Meisenbach Bamberg, Flat Knitting, Department Copy.

**T.B – 3** N.Anbumani, Knitting FUNDAMENTALS, Machines, Structures and Developments. New age International (P) ltd, New Delhi.

### Books for References:

1. Spencer.D.J, 2001 Knitting Technology, Wood head publicaions
2. Terry Brackenbury, Knitted Clothing Technology, Blackwell Science Publications.
3. Samuel Raz, Flat Knitting Technology, Germany.
4. Smirfitt, An Introduction to Weft Knitting, Merrow Publications.
5. Cegielka L, The Knitting Industry: Present needs, Future Requirements, Vol 19, No.1, The Textile Institute 1988.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
IV	20UFT4AC7P			KNITTING			5		3	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓					✓				
CO2							✓			
CO3	✓				✓					
CO4				✓						✓
CO5		✓				✓		✓		
Number of Matches= 36, Relationship : High										

Prepared by:

checked by:

1. Jabeen.B

1.Dr.M.Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
IV	20UFT4AC8P	Allied–VIII	FASHION DRAPING – PRACTICAL	3	2	100	20	80

**Course Outcomes:**

At the end of this course, students will be able to

1. Create design and idea for draping.
2. Understand and identify the basic draping.
3. Develop basic bodies pattern by using draping.
4. Analyze the manipulating techniques.
5. Interpret the Different techniques for draping.

**I. INTRODUCTION TO DRAPING**

- |  |         |
|--|---------|
| 1. Introduction to Draping Technique               | 2 Hours |
| 2. Tools&Equipments needed for Draping             | 2 Hours |
| 3. BasicBodice- Front, Back, Sleeve, Skirt, Collar | 3 Hours |

**II.BASIC DRAPING**

- |                           |         |
|---------------------------|---------|
| 1. Basic Bodice for Women | 5 Hours |
| 2. Basic Bodice for Men   | 5 Hours |

**III. MANIPULATING TECHNIQUE**

- |                      |         |
|----------------------|---------|
| 1. Dart Manipulating | 8 Hours |
| 2. Princess Shapers  | 8 Hours |

**IV. BASIC DRAPING OF BODICE PARTS**

- |                         |         |
|-------------------------|---------|
| 1. Necklines variations | 3 Hours |
| 2. Collars variations   | 3 Hours |
| 3. Sleeves variations   | 3 Hours |
| 4. Skirts variations    | 3 Hours |

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code	Title of the Paper	Hours	Credits
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IV	20UFT4AC8P		FASHION DRAPING – PRACTICAL			3		2		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓	✓		✓	✓	✓	✓
CO2	✓	✓	✓		✓	✓	✓	✓	✓	
CO3		✓	✓	✓		✓		✓	✓	✓
CO4	✓	✓	✓		✓	✓	✓	✓	✓	✓
CO5	✓	✓	✓	✓		✓	✓	✓	✓	✓
Number of Matches= 42, Relationship : High										

Matching Percentage: 80%

Prepared by:

checked by:

1. R.Jeevitha

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
IV	20UFT4GE2P	Generic Elective – II	PAINTING TECHNIQUES - PRACTICAL	2	2	100	-	100

### Course Outcomes:

At the end of this course, students will be able to

1. Create design and idea for painting.
2. Understand and classify the difference sources in painting
3. Constructmatchable motifs for painting
4. Analyze the difference color combination in painting.
5. Interpret the Different techniques for painting.

### **DRAW A DESIGN AND APPLY THE SUITABLE COLOURS**

1. Fabric Painting	<b>5 Hours</b>
2. Chart Painting	<b>5 Hours</b>
3. Pot Painting	<b>5 Hours</b>
4. Stencil Painting	<b>5 Hours</b>
5. Sand Painting	<b>5 Hours</b>
6. Glass Painting	<b>5 Hours</b>

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
IV	20UFT4GE2P			PAINTING TECHNIQUES - PRACTICAL			2		2	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓	✓		✓	✓	✓	✓
CO2	✓	✓	✓		✓	✓	✓	✓	✓	
CO3		✓	✓	✓		✓	✓	✓	✓	✓
CO4	✓	✓	✓		✓	✓	✓	✓	✓	✓
CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Number of Matches= 44, Relationship : High										

Matching Percentage: 86%

Prepared by:

1.R.Jeevitha

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
<b>IV</b>	<b>20UCN4EA</b>	<b>EXTENSION ACTIVITIES</b>	<b>NCC, NSS, etc.</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
V	20UFT5CC9	CORE – IX	WET PROCESSING	6	5	100	25	75

**Course Outcomes:**

At the end of this course, students will be able to

1. Identify the different types of preparatory process in textile
2. Differentiate the dyes and dyeing methods
3. Analyse the different types of printing techniques
4. Understand the finishing techniques for textiles

## 5. Evaluate the eco-friendly process

### UNIT-I: PREPARATORY PROCESS IN WETPROCESSING

18 Hrs

Introduction to wet processing, # Need for processing #.Preparatory processes: singeing, desizing, scouring, bleaching and mercerization, Silk - Degumming, Wool- Carbonization.

### UNIT-II: DYES AND DYEING METHODS

18 Hrs

Definition – dyeing and dyes, classification of dyes-Natural Dyes, Synthetic Dyes, mordant and its types, mordant techniques. Methods of Dyeing - Yarn – hank and package dyeing, fabric - Winch, Jigger, padding, soft flow garment dyeing. Application of direct, basic, acid, vat, reactive and disperse dyes # Advantages & Disadvantages of natural dyes and synthetic dyes #.

### UNIT-III: PRINTING TECHNIQUES

18 Hrs

Definition – Printing, Styles of printing– Direct printing, discharge printing, resist printing. Printing methods - # Block printing #, Roller printing, screen printing – preparation of screens, rotary printing, Transfer and Digital printing, Batik, tie and dye. Comparison between dyeing and printing.

### UNIT-IV: FINISHING

18 Hrs

Finishing - Definition, objectives, importance, classifications #. Functional finishes - Calendaring, stentering, stiffening, grabbing, decanting, beetling, glazing, gigging, shearing. Special finishes - water repellent, antimicrobial, Flame retardant. Denim finishing-Overview.

### UNIT-V: ECO FRIENDLY PROCESSING

18 Hrs

# Problems faced by textile wet processing industries #. Enzymes – meaning, enzymes used in textile industry. Enzymatic process – Desizing, scouring, bleaching, bio polishing, degumming.

#.....# Self-Study Portion

#### TEXT BOOKS :

**T.B -1** Vankar.P.S, Handbook on natural dyes for industrial applications.

**T.B -2** Palsingh.K.V, Elementary Idea of Textile dyeing, printing and finishing, Kalyani Publishers, 2009.

**T.B– 3** Kadohph .S.J, Textiles, Tenth Edition, Dorling Kindersley (India) Pvt. Ltd., 2006.

**T.B -4** Corbman.B.P, Textile fiber to fabric, 3<sup>rd</sup> Edition, International students, Mc Grow Hill co, Singapore, 1985.

**T.B-5** Smith J E \_Textile Processing‘ – Printing ,Dyeing, Abhishek Publishing,2003.

**T.B-6** Murphy, W.S \_ Textile Finishing‘ Abhishek Publication, 2000

**Unit I** Chapter II **T.B – 2,6**

**Unit II** Chapter I **T.B – 1**

**Unit III** Chapter IV **T.B – 2**

**Unit IV** Chapter XVI, XIX **T.B – 3,6**

**Unit V** Chapter VII **T.B – 1** Chapter XII **T.B-4**

#### Books for References:

1.Chakaraborty.J.N, “Fundamentals and Practices in Coloration of Textiles”, Woodhead Publishing India Private Limited, 2010.

2.Shenai V.A, “Technology of Textile Processing, Chemistry for Dyes and Principles of Dyeing”, A Sevak Publication, Bombay, 1993.

- 3.Manivaskam.N, “Treatment of Textile Processing Efficient”, Sakthi Publications, Coimbatore, 1995.
- 4.Stuart and Robinson, Beginner.P, “Guide to Fabric Dyeing and Printing”, Technical Books, London,1982.
- 5.Hall A J, The standard Hand Book of Textiles‘ Woodhead Publication, 2004.
- 6.Janice gunner, Shiboridor Textile Artist‘ Batsford London, 2006.
- 7.Kate Broughton textiles Dyeing , Rockport Publishers, 1996.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
V	20UFT5CC9		WETPROCESSING			6		5		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1			✓	✓	✓	✓	✓	✓	✓	✓
CO2			✓	✓	✓	✓	✓	✓	✓	✓
CO3			✓	✓	✓		✓	✓	✓	✓
CO4		✓	✓	✓	✓			✓	✓	✓
CO5		✓	✓	✓	✓			✓	✓	
Number of Matches= 36, Relationship : High										

Prepared by:

1.Merlin Sharmi.G

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
V	20UFT5CC10P	Core – X	WET PROCESSING - PRACTICAL 25%	5	5	100	20	80

#### Course Outcomes:

At the end of this course, students will be able to

1. Understand the different types of Preparatory process
2. Discuss the types of fabric dyeing
3. Describe the methods of printing
4. Create designs through printing methods
5. Explain the new methods of printing or dyeing

#### I. Preparatory process of fabrics

1. Desizing
2. Scouring
3. Bleaching
4. Degumming of silk

5Hrs  
5Hrs  
5Hrs  
5Hrs

#### II. Dyeing for Cotton, Polyester, Silk, Wool

5. Reactive Dye – Hot Brand and Cold Brand

5Hrs



- |                 |              |
|-----------------|--------------|
| 6. Acid Dye     | <b>5 Hrs</b> |
| 7. Basic Dye    | <b>5Hrs</b>  |
| 8. Disperse Dye | <b>5Hrs</b>  |
| 9. Direct Dye   | <b>5Hrs</b>  |

**III. Printing in different methods by using Synthetic and Natural Dye Extracts**

- |                                      |              |
|--------------------------------------|--------------|
| 10. Block printing- Flower           | <b>6Hrs</b>  |
| 11. Stencil printing- Vegetable Skin | <b>6Hrs</b>  |
| 12. Screen printing – Plant Part     | <b>6Hrs</b>  |
| 13. Tie & die printing- Soil         | <b>6Hrs</b>  |
| 14. Batik printing - Fruit Skin      | <b>6 Hrs</b> |

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
V	20UFT5CC10P		WET PROCESSING PRACTICAL			5		5		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓			✓		✓			✓
CO2		✓	✓		✓		✓	✓	✓	✓
CO3		✓	✓		✓	✓	✓	✓	✓	✓
CO4		✓	✓	✓	✓	✓	✓	✓	✓	✓
CO5		✓			✓	✓	✓	✓	✓	✓
✓ Number of Matches= 41, Relationship : High										

Prepared by :

checked by:

Merlin Sharmi.G

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
V	20UFT5CC11P	Core-XI	GARMENT CONSTRUCTION FOR ADULT - PRACTICAL	5	5	100	20	80

### **Course Outcomes:**

At the end of this course, students will be able to

1. Draft and construct the garments of various components as per the designs.
2. Analyze and apply the various measurements in pattern making.
3. Distinguish the use of various tools and equipments as per requirements.
4. Modify the pattern for required designs.
5. Apply the standard measurements to create the required garment.

### **Design and construct the following Garments**

- |  |                |
|--|----------------|
| 1. Saree Petticoat- Six Panel.                 | <b>7 hours</b> |
| 2. Blouse                                      | <b>7 hours</b> |
| 3. Salwar / Churidhar/ Palazoo Pant (any one). | <b>7 hours</b> |
| 4. Kameez, A- Line, Dabang (any one).          | <b>7 hours</b> |
| 5. Nightie                                     | <b>8 hours</b> |
| 6. S.B Vest.                                   | <b>7 hours</b> |
| 7. Slack Shirt.                                | <b>8 hours</b> |
| 8. Nehru Kurta.                                | <b>8 hours</b> |
| 9. Pyjama/Bermudas.                            | <b>8 hours</b> |
| 10. Narrow Bottom/Pleated                      | <b>8 hours</b> |

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
V	20UFT5CC11P		GARMENT CONSTRUCTION FOR ADULT - PRACTICAL			5		5		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓		✓	✓	✓		✓	✓	✓
CO2		✓		✓	✓	✓		✓	✓	✓
CO3	✓	✓			✓			✓	✓	✓
CO4	✓	✓			✓	✓		✓	✓	✓
CO5	✓	✓		✓	✓	✓		✓	✓	✓
Number of Matches= 36 , Relationship : High										

Prepared by:  
1.A.G.Meera

checked by:  
1.Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
V	20UFT5CC12	Core - XII	Internship	5	5	100	25	75

#### Course Outcomes:

At the end of this course, students will be able to

1. Understand various components of textile and apparel unit.
2. Observe the production processes for various styles.
3. Knowledge in management opportunities of apparel industries.
4. Exposure in textile industries.
5. Identify the opportunities in textile and apparel industries.

#### Instructions:

- Visit may be to Textile Processing/ Weaving/ Spinning/ Knitting/ Garment Production Unit / Retail store / Boutique.
- Duration – 15 days.
- Period-From the end of IV semester exam to starting of the V semester classes.
- Submission of internship report and marks statement in the prescribed format.
- Report will be evaluated by Guide under the Viva-Voce Examination.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
V	20UFT5CC12			Internship			5		5	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓		✓	✓	✓	✓	
CO2	✓	✓	✓	✓		✓	✓	✓	✓	
CO3	✓	✓	✓	✓		✓	✓	✓	✓	
CO4	✓	✓	✓	✓		✓	✓	✓	✓	
CO5	✓	✓	✓	✓		✓	✓	✓	✓	
Number of Matches= 40, Relationship : Moderate										

Prepared by :

checked by:

1.S.Mythili

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50

Relationship	Very Poor	Poor	Moderate	High	Very High
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Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
V	20UFT5DE1A	DSE – I **	<b>GARMENT QUALITY AND COST CONTROL</b>	5	4	100	25	75

### **Course Outcomes:**

At the end of this course, students will be able to

1. Explore the concepts of quality control.
2. Gain knowledge in the aspects of quality.
3. Describe the stages and system of production.
4. Relate the factors that decide the cost of apparel production.
5. Discuss the techniques involved in apparel manufacturing process.

### **UNIT-I: QUALITY CONTROL**

**15 Hrs**

Definition and # Scope of Quality Control # – Establishing Merchandising Standards - Quality Control of Raw Material.

### **UNIT-II: QUALITY SPECIFICATION**

**15 Hrs**

Establishing Processing Quality Specification-Training Quality Control Personnel- Quality Standard Control-Quality Control-Inspection, Procedures for Processing – Quality Control of Finished Garments- # Quality Control for Packaging, Warehousing and Shipping #.

### **UNIT-III: FUNCTION OF PRODUCTION CONTROL**

**15 Hrs**

Function of Production Control - Production, Analysis -# Quality Specification # - Quantitative Production-Scope of Apparel Manufacturing Activity-Coordinating.

### **UNIT-IV: TYPE OF CONTROL FORMS**

**15 Hrs**

Type of Control Forms - Basic Production Systems - # Principles for Choosing Production System # - Evaluating Production Systems - Basic Flow Process Grids for Production Control.

### **UNIT-V: COST CONTROL**

**15 Hrs**

Functions of Cost Control: Types of Costs and Expenses - # Apparel Manufacturing Cost Categories # -Sales Cost Control-Purchasing Cost Control-Production Cost Control-Administration Cost Control-Cost Ratio Policies-The Manufacturing Budget-Cash Flow Control-Standard Cost Sheet – Break Even Charts.

**#.....# Self-Study Portion**

**TEXT BOOK:**

**T.B-1** Garment Quality and Cost Control –Study Material prepared by the Department.

**Unit I** Chapter XI **T.B-1**

**Unit II** Chapter XI **T.B-1**

**Unit III** Chapter X **T.B-1**

**Unit IV** Chapter X **T.B-1**

**Unit V** Chapter XVII **T.B-1**

**Books for Reference:**

1. Website: <http://ezinearticles.com> / Garment Quality and Cost Control.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours	Credits		
V	20UFT5DE1A			Garment Quality and Cost Control			5	4		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓		✓	✓		✓	✓	✓		✓
CO2	✓	✓		✓		✓	✓			✓
CO3	✓	✓	✓	✓		✓		✓		
CO4	✓	✓	✓				✓	✓	✓	✓
CO5			✓	✓	✓		✓	✓	✓	✓
Number of Matches= 34, Relationship : High										

Prepared by:

1. Thenmozhi.K.R.

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
V	20UFT5DE1B	DSE – I **	HOME SCIENCE ( 20%)	5	4	100	25	75

### Course Outcomes:

At the end of this course, students will be able to

- Explain the basic concept of home science.
- Knowledge about the importance of nutrition
- understand the process of home management.
- Explain the stages in life span.
- Focus on the stages of child development

### UNIT-I:CONCEPT OF HOME SCIENCE

15 Hrs

Meaning and scope of Home Science, # History of Home Science #, Philosophy of Home Science – Structure and Components of Home Science – Basic principles of Home Science.

### UNIT-II:FOOD SCIENCE

15 Hrs

Functions of food, food groups, food preparation - # Dry heat methods # and wet heat methods. **Food Pigments And Additives, Quality Evalution Of Food**, Food analysis – cereals, pulses, nuts and oil seeds, milk and milk products, eggs, flesh foods, vegetables and fruits, sugar and related products, spices. **Diet Counselling And Management.**

### UNIT-III: NUTRITIONAL SCIENCE

15 Hrs

Fundamentals of nutrition. Nutritional Biochemistry – proteins, Carbohydrates, lipids, vitamins and minerals. **Nutritional Intervention, Nutritional Assessment- Methods And Techniques**, Food preservation – Bactericidal methods and bacteriostatic methods. # Purchasing and storing of foods #.

### UNIT-IV:HOME MANAGEMENT

15 Hrs

Process of home management – Motivating factors of management (Values, Goals and Standards) - # Resource and its classifications #. Decision Making – steps in Decision Making. Housing – Kitchen planning and its types.

### UNIT-V: CHILD DEVELOPMENT

15 Hrs

Principles of development, # stages of growth from neonatal to old age and its characteristics#. **Theories Of Human Development And Behaviour, Aging** , Problems in child hood – withdrawn behavior, aggressive behavior, hyperactivity, fear & phobias, sleep disturbances, depression, autism, infantile autism, learning difficulties, dyslexia, mental subnormality.

## #.....# Self-Study Portion

### TEXT BOOKS:

**T.B-1** Mullick.P, Text Book of Home Science, Kalyani Publishers, 2010.

**T.B-2** Khosla.A and Manocha.R, UGC, NET / SET Home Science, Danika Publishers of Trueman's Specific Series, 2012.

**T.B-3** Yadla.V.L and Jasrai.S, Reference Book for UGC in Home Science, Kalyani Publishers, 2006.

**Unit I** Chapter I **T.B-1**

**Unit II** Chapter I **T.B-3**

**Unit III** Chapter II **T.B-3**

**Unit IV** Chapter II **T.B-1**, Chapter III **T.B-2**

**Unit V** Chapter VII **T.B-3**.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
V	20UFT5DE1B		HOME SCIENCE			5		4		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓		✓	✓	✓	✓	✓			
CO2		✓	✓				✓	✓	✓	✓
CO3	✓	✓		✓	✓			✓	✓	
CO4			✓	✓		✓	✓			✓
CO5	✓			✓			✓	✓	✓	✓
Number of Matches= 29, Relationship : Moderate										

Prepared by:

checked by:

1.Thenmozhi.K.R.

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High



Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
V	20UFT5SE2AP	Skill Enhancement Course- II @	SURFACE EMBELLISHMENT – PRACTICAL 20%	2	2	100	-	100

### Course Outcomes:

At the end of this course, students will be able to

1. Understand the concept designing embroidery by different stitches.
2. Explore creative designs in embroidery and prepare dresses by using embroidery stitches.
3. Capable of identifying new opportunities in craft, textile art and fashion design markets.
4. Identify various color schemes and their application in dress making.
5. Elaborate the techniques of create the different stitch with hand.

### I. BASIC HAND STITCHES

3Hrs

1. Running stitch
2. Back stitch

### II. BASIC EMBROIDERY STITCHES

12Hrs

3. Chain stitch and its variations
4. Stem stitch
5. Lazy daisy stitch
6. Blanket or buttonhole stitch
7. Satin stitch and its variations
8. Romanian
9. Long and short
10. Fish bone
11. French knot
12. Bullion knot
13. Herring bone

### III. OTHER EMBELLISHMENT WORK

15Hrs

14. Bead work
15. Ribbon embroidery
16. Patch work
17. Tassels and fringes

#### 4. PROJECT WORK

Prepare any sample using mixture of these stitches.

##### a. Saree/ Salwar/ Shawl / blouse/Home Textile Products

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
V	20UFT5SE2AP		Surface Embellishment - Practical			2		2		
Course Outcomes (COS)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓					✓				
CO2					✓				✓	
CO3	✓				✓					
CO4										✓
CO5		✓				✓		✓		
Number of Matches= 36 , Relationship : High										

Prepared by:

1.A.G.Meera

checked by:

1.Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
V	20UFT5SE2BP	<b>SKILL ENHANCEMENT COURSE-II</b>	<b>ACCESSORIES MAKING – PRACTICAL 100%</b>	2	2	100	-	100

### Course Outcomes:

At the end of this course students will be able to

1. design fashionable accessories such as earrings, Chain and Bracelets
2. Apply Knowledge about the Construction of cloth bags
3. Create and design the mobile accessories
4. Explain about the Construction of Mask using treated fabric
5. Analyze the design for food industry accessories

### **I. FASHION INDUSTRIES**

1. Construct the Earring Varieties using Beads/ Kundhan stones. **3 Hrs**
2. Construct the Chain Varieties using Newspaper / fabrics. **3 Hrs**
3. Construct the Bracelet Varieties using Copper string/ beads. **3 Hrs**

### **II. TEXTILE INDUSTRIES**

1. Construct a Cloth Bag using Jute/ Reusable Fabric. **3 Hrs**
2. Construct a Mobile accessories using fur/felt **3 Hrs**
3. Construct a Mask using bleached cotton **3 Hrs**

### **III FOOD INDUSTRIES**

1. Construct a Head accessories using non woven fabric **4Hrs**
2. Construct a Hand Gloves using a knitted fabric. **4 Hrs**
3. Construct an Apron using cotton fabric. **4 Hrs**

### **BOOKS FOR REFERENCES:**

1. Fashion Illustration – Manmeet Sodhia – Kalyani Publishers - New Delhi.
2. The dynamic of fashion – Elaine Stone – Fairchild publications – New York.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper				Hours		Credits	
V	20UFT5SE2BP		ACCESSORIES MAKING – PRACTICAL				2		2	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓		✓	✓	✓		✓	✓
CO2	✓	✓	✓		✓	✓	✓		✓	✓
CO3	✓	✓	✓		✓	✓	✓		✓	✓
CO4	✓	✓	✓		✓	✓	✓		✓	✓
CO5	✓	✓	✓		✓	✓	✓		✓	✓
Number of Matches= 40, Relationship : High										

Prepared by :

1.R.Jeevitha

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
V	20UFT5SE3A	SKILL BASED ELECTIVE III	TEXTILE SCIENCE 40%	2	2	100	-	100

### Course Outcomes:

At the end of this course, students will be able to

1. Understand the basic concept of Textiles
2. Knowledge in the manufacturing of textiles
3. Describe the concepts of spinning
4. Discuss about dyeing and printing
5. Apply the Concepts as a business

### Unit -1 FIBERS CLASSIFICATION

6hrs

Introduction to the Textile Fibers – Classification of Textile Fibers – Natural Fibers – Vegetable Fibers, Animal Fibers and Mineral Fibers - Manmade Fibers – Synthetic Fibers, # Regenerated Fibers #.Recent innovations of fibers.

### Unit -II FIBER MANUFACTURING PROCESS

6hrs

Manufacturing Process of Cotton, Silk, Polyester and # Viscose Rayon #. Properties of Textile Fibers – Primary properties and Secondary properties.

### UNIT-III: SPINNING TECHNOLOGY

6hrs

Types of Spinning – Chemical Spinning – Melt, Dry, Wet - Mechanical Spinning – Ring, Open End, Electronic Spinning. # Cotton Spinning System #.

### UNIT-IV: FABRIC MANUFACTURING PROCESS

6hrs

Fabric –Introduction, Types of fabric- Woven, Knitting and Nonwoven. Weaving –Types of Woven Fabric- Knitting-Types of Knits -#Application of Woven –knitted and Non Woven

### UNIT-V WET PROCESSING

6hrs

Preparatory Process –Dyeing – Classification of Dyes – Natural Dyes - Vegetable Dyes, Animal Dyes and Mineral Dyes – Synthetic Dyes. Printing –Introduction, #Types of Printing- Screen Printing, Block Printing, Resist Printing#.Finishing -Classification of Finishing

#.....# Self-Study Portion

### TEXT BOOKS:

1. Corbman .B.P, Textile – Fiber to Fabric Third Edition, International Students Edition, McGraw Hill Book Co, Singapore, 1985.
2. Gupta et al, Text Book of Clothing and Textiles and Laundry, 5th Edition, Kalyani Publishers, New Delhi, 2006.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
V	20UFT5SE3A		TEXTILE SCIENCE			2		2		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓	✓		✓	✓		✓
CO2	✓	✓	✓		✓	✓	✓	✓		✓
CO3		✓	✓	✓	✓	✓		✓	✓	
CO4	✓	✓	✓			✓	✓	✓	✓	✓
CO5			✓	✓	✓		✓	✓	✓	✓
Number of Matches= 38, Relationship : High										

Prepared by:

1.Archana V C

checked by:

Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
V	20UFT5SE3B	SKILL BASED ELECTIVE III	TEXTILE DYEING	2	2	100	-	100

### Course Outcomes:

At the end of this course, students will be able to

1. Enhance the students with Textile Knowledge
2. Knowledge in the manufacturing of textiles
3. Understand the concepts of spinning
4. Discuss knowledge about dyeing and printing
5. Apply the Concepts as a business

### UNIT-I: PRETREATMENT OF FABRIC

**6 Hrs**

Production sequences of textile fabrics-flow chart-brief description Fabric Preparation-Singeing, Desizing, Scouring, Bleaching (Different methods) # Mercerizing, Wool Carbonizing #, Degumming and Weighting of Silk.

### UNIT-II: DYES

**6 Hrs**

Dyeing-dyes-classification. Properties of dyes, direct, # vat, reactive #, acid, basic, azoic dyes Vegetable Dyes-types and colours commonly used, Stages of Dyeing-Fibre, Yarn, fabric and garment-process involved advantages and limitations.

### UNIT-III: DYEING

**6 Hrs**

Methods of dyeing: Batch dyeing-winch, # jig, package dyeing #, combination dyeing, machines used and process involved. Fastness Properties of fabrics-water, sunlight etc.

### UNIT-IV: FINISHES

**6 Hrs**

Aesthetic Finishes: Luster-glazed, moiré, schreiner, embossed, drape-crisp and transparent, sizing, weighting, Texture-sheared, brushed, # embossed, pleated #, flocked, embroidered, napped, fullered. Special purpose finishes: stabilization/shrinkage control-different methods, shape retention methods, wrinkle free finishes.

### UNIT-V: COLOR FASTNESS AND EFFLUENT TREATMENT

**6 Hrs**

Tests to determine color fastness – Fastness to Washing, Immersion in Water, Perspiration, Crocking, Pressing, Light, # Friction, Natural Weather #, Gas Fading. Effluent Treatment – Treatment and its Recycling process, Need for Eco-Friendliness in dyeing process.

#.....# Self-Study Portion

### TEXT BOOKS:

**T.B -1** Vankar.P.S, Handbook on natural dyes for industrial applications.

**T.B -2** Palsingh.K.V, Elementary Idea of Textile dyeing, printing and finishing, Kalyani Publishers, 2009.

**T.B – 3** Kadolph . S.J, Textiles, Tenth Edition, Dorling Kindersley (India) Pvt. Ltd., 2006.

**T.B -4** Gupta et al, Text Book of Clothing and Textiles and Laundry, 5<sup>th</sup> Edition, Kalyani Publishers, New Delhi, 2006.

**T.B -5** Saville B.P., Physical testing and textile, wood head publishing Ltd, England, 1999.

**T.B -6** NIIR Board, Textile Processing with Effluent Treatment, Asia Pacific Business Press Inc, Delhi.

<b>Unit I</b>	Chapter II	<b>T.B – 2</b>		
<b>Unit II</b>	Chapter I	<b>T.B – 1</b>		
<b>Unit III</b>	Chapter XVI, XIX	<b>T.B – 3</b>		
<b>Unit IV</b>	Chapter C-2	<b>T.B – 4</b>		
<b>Unit V</b>	Chapter IX	<b>T.B – 5</b>	Chapter I	<b>T.B-6.</b>

**Books for References:**

1. Textile Processing-J.L. Smith, Abhishek Publication, Chandigrah (2003).
2. Technology of Textile Processing-Shenai V, Vol. III, V, VII, VIII, Sveale Publication, Bombay (1981).
3. Wool Dyeing-Lewis DM, SDC Publication England (1990).

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code					Title of the Paper					Hours	Credits
<b>V</b>	<b>20UFT5SE3B</b>					<b>TEXTILE DYEING</b>					<b>2</b>	<b>2</b>
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	✓	✓	✓	✓	✓		✓	✓		✓		
CO2	✓	✓	✓		✓	✓	✓	✓		✓		
CO3		✓	✓	✓	✓	✓		✓	✓			
CO4	✓	✓	✓			✓	✓	✓	✓	✓		
CO5			✓	✓	✓		✓	✓	✓	✓		
Number of Matches= 38, Relationship : High												

Prepared by:

checked by:

1.Archana V C

Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High



Semester	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
V	20UFT5EC1	Extra Credit Course-I	General Intelligence for Competitive Examinations 100%	-	4*	100	-	100

### Course Outcomes:

At the end of this course, students will be able to

1. Understand the basic concepts of aptitude and mental ability
2. Knowledge to appear in Government/IBPS/RRB exams
3. Explore the concepts of science and computers
4. Gain knowledge on the basic science and environment
5. Apply knowledge on logic thinking and Reasoning ability

### Unit -1 Aptitude and Mental ability

Number System, Percentage, Rate of Interest, Work and Task, Ratio and Proportion and Distance. Data Interpretation, Mensuration and Geometry, Quadratic Equation, Problems of Ages, Linear Equation, and Combination Mixture and Allegations. Verbal Reasoning, Syllogism, Seating Arrangement, Blood Relations, Ordering and Ranking, Coding and Decoding,

### Unit -2 English and History

Reading Comprehension, Vocabulary, Grammar, Verbal ability ,Literature –Books ,Philosophy, Indian History-diary of events ,National symbols ,World History-Events ,Capitals, Currencies, Sports and games, Records ,Socio economic factor.

### Unit -3 Current Affairs and Indian Politics

India's foreign policy - Latest court verdicts – public opinion - Problems in conduct of public elections - Political parties and political system in India - Public awareness & General administration - Role of Voluntary organizations & Govt. Constitution of India- Preamble to the constitution -features - Union, State and territory -Fundamental rights - Fundamental duties - Human rights charter

### Unit -4 General Science and Computer Science

General Scientific laws-Scientific instruments-Inventions and discoveries-National scientific laboratories- Physics– Spectroscopy Geophysics-Astronomy and space science. Elements and Compounds -Oxidation and reduction. Main Concepts of life science--Classification of living organism-Nutrition and dietetics-Respiration-Blood and blood circulation-Endocrine system-Reproductive system-Genetics the science of heredity -Environment, ecology, health and hygiene, Human diseases, prevention and remedies.

### Unit -5 Commerce and Economics

Company Law., Business Environment. Management, Marketing., Taxation., Final Accounting. Cost Accounting .Financial Management. Auditing. Importance & Scope of Economics. Theory of Production & Cost. General Equilibrium analysis. National Income ,Economics Systems. Composition and direction of foreign trade. Fiscal Function. Economic Development.

**TEXT BOOKS:**

1. Dinesh Khattar (2008) Pearson Guide to Quantitative Aptitude for Competitive Examination, India
2. Durga Das Basu, V. R. Manohar, (2008) Introduction to the Constitution of India
3. R. S. Aggarwal · (2000), A Modern Approach to Vernbal & Non Verbal Reasoning
4. Disha Experts · (2017) General Science for Competitive Exams - SSC/ Banking
5. Goh Cheng Leong (1995) Certificate Physics and Human Geography; Indian Edition.
6. Praveen Kumar · 2017 Complete Indian History for IAS Exam and Other Competitive Exam ,India.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code					Title of the Paper					Hours	Credits
V	20UFT5EC1					General Intelligence for Competitive Examinations					-	4*
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	✓	✓	✓	✓	✓	✓	✓	✓			✓	
CO2	✓	✓	✓	✓	✓	✓	✓	✓			✓	
CO3		✓	✓	✓	✓	✓	✓	✓				
CO4	✓	✓	✓	✓			✓	✓	✓		✓	
CO5			✓	✓	✓		✓	✓	✓		✓	
Number of Matches= 38, Relationship : High												

Prepared by:

1.Archana V C

checked by:

Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
VI	20UFT6CC13	Core-XIII	TEXTILE TESTING	5	5	100	25	75

### Course Outcomes:

At the end of this course, students will be able to

1. Understand the methods and techniques used to analyze textile fibers, yarns and fabrics
2. Identify natural and synthetic textile fibers
3. Acquire knowledge in various properties of textile and related
4. Knowledge about fabric quality, performance and products
5. Examine the fabric coloration in all conditions

### UNIT-I: INTRODUCTION TO TEXTILE TESTING

15 Hrs

Importance of testing, objectives of testing, general rules for textile testing and quality control. # Different types of Physical test and their needs #. Moisture and its relations to textile materials. Moisture content, moisture regain and relative humidity

### UNIT-II: FIBER TESTING

15 Hrs

Methods of fiber sampling for testing, # Cotton staple length and grade #, Cotton fiber length analysis, Cotton fiber fineness and maturity, non – lint content, moisture content.

### UNIT-III: YARN TESTING

15 Hrs

# Yarn numbering #, Yarn Strength, Analysis of Strength, Yarn grade and appearance, Yarn twist testing, Crimp and hairiness. Yarn evenness.

### UNIT-IV: FABRIC ANALYSIS

15 Hrs

# Fabric width, Fabric length, Fabric weight #, Fabric thickness, Fabric Strength – Tearing Strength, Bursting Strength and Abrasion Resistance, Crease Recovery, Stiffness and Drapability Test, Pilling Test.

### UNIT-V: COLOUR FASTNESS TEST

15 Hrs

Colour Fastness to Sunlight, Wet and Dry Crocking, Wet and Dry Pressing, Perspiration – Acidic, Alkaline, Laundering and Dry Cleaning, Fastness Grading using Gray Scale, # Computer Colour Matching, Whiteness Index and Colour Matching Cabinet #.

#.....# Self-Study Portion

### TEXT BOOKS :

**T.B-1** Booth J.E., Principles of Textile Testing, CBS Publishers and Distributors, New Delhi, 1996.

**T.B -2**Saville B.P., Physical testing and textile, wood head publishing Ltd, England, 1999.

**T.B-3**Groover, E and B Hamby.D.S., Textile Testing and Quality Control, John Wiley and Sons inc, New York, 1960.

**Unit I** Chapter I **T.B-1**

**Unit II** Chapter XIII **T.B-3**

**Unit III** Chapter IV **T.B-2**

**Unit IV** Chapter VII **T.B-1**

**Unit V** Chapter IX **T.B-2**

**Books for Reference:**

1. Hand Book, B.S., Methods of test for textiles British Standards Institution, British Standards House, London, 1963.
2. Principles of Textile Testing – 3<sup>rd</sup> Edition – J.E.Booth – CBS Publication and distributors- New Delhi-2.
3. Physical Testing of Textile – B.P.Saville – Woodhead Publishing Limited, England.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
VI	20UFT6CC13			TEXTILE TESTING			5		5	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓				✓	✓	✓		✓
CO2	✓	✓		✓		✓	✓	✓		✓
CO3	✓	✓		✓		✓	✓	✓	✓	✓
CO4	✓	✓				✓	✓	✓		✓
CO5	✓	✓		✓		✓		✓		✓
Number of Matches= 33, Relationship : Moderate										

Prepared by:

checked by:

1. S.Mythili

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
VI	20UFT6CC14P	Core – XIV	Textile Testing– Practical 10%	5	5	100	20	80

### Course Outcomes:

At the end of this course, students will be able to

1. Identify natural and synthetic textile fibers
2. Evaluate samples with physical test for yarn and fabrics
3. Compare the physical testing of fabrics
4. Knowledge about fabric quality using testing equipments
5. Examine the fabric coloration in all conditions

### I. IDENTIFICATION OF TEXTILE FIBERS

Fibers- Cotton, Silk, Wool, Nylon, Polyester, Linen, Rayon, Jute.

- |                      |       |
|----------------------|-------|
| 1. Microscopic Test. | 4 Hrs |
| 2. Burning Test.     | 4 Hrs |
| 3. Solubility Test.  | 4 Hrs |

### II. YARN TEST

- |   |       |
|---|-------|
| 4. To determine the Yarn Count using Wrap Reel Method                 | 4 Hrs |
| 5. To determine the Yarn Count using Beesley's Balance Method.        | 4 Hrs |
| 6. To determine the Yarn Twist using Single Yarn Twist Tester.        | 4Hrs  |
| 7. To determine the Course Length and Loop Length for Knitted Fabric. | 4 Hrs |

### III. FABRIC TEST

- |  |       |
|--|-------|
| 8. To determine the Thickness of a Fabric using Thickness Tester.          | 4 Hrs |
| 9. To determine the yarn count using Quadrant Balance.                     | 4 Hrs |
| 10. To determine the stiffness of a fabric using Stiffness tester.         | 4 Hrs |
| 11. To determine the drape of a fabric using Drape meter.                  | 4 Hrs |
| 12. To determine the crease of a fabric using Crease recovery tester.      | 4 Hrs |
| 13. To determine the Cover Factor for a fabric                             | 4 Hrs |
| 14. To measure the shrinkage of the given fabric                           | 4 Hrs |
| 15. To determine the fabric abrasion test using Martindale abrasion tester | 5 Hrs |

#### IV. COLOR FASTNESS TEST

16. To determine the rubbing fastness of a dyed fabric using Crock Meter. **5 Hrs**

17. To determine the colorfastness to sunlight using Grey Scale. **5 Hrs**

18. To determine the colorfastness to hand wash using Grey Scale. **4 Hrs**

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
VI	20UFT6CC14P			Textile Testing– Practical			5		5	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓		✓	✓	✓		✓	✓
CO2	✓	✓	✓		✓	✓	✓		✓	✓
CO3	✓	✓	✓		✓	✓	✓		✓	✓
CO4	✓	✓	✓		✓	✓	✓		✓	✓
CO5	✓	✓	✓		✓	✓	✓		✓	✓
Number of Matches= 40, Relationship : High										

Prepared by:

1. S.Mythili

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
VI	20UFT6CC15P	Core - XV	COMPUTER AIDED DESIGNING – PRACTICAL (10%)	5	5	80	20	100

### Course Outcomes:

At the end of this course, students will be able to

1. Illustrate the basic small designs as motifs.
2. Construct the garments for children's using suitable Croquis.
3. Design the women's garment with suitable color theory .
4. Develop the Textured garments for men.
5. Formulate the familiar logos for Indian and International Apparel Branded company .

### CREATE THE FOLLOWING DESIGNS:

#### 1. MOTIFS

- T-shirt. **3 Hrs**
- Saree – Pallu and Border. **3 Hrs**
- **Designer Blouse** . **3 Hrs**

#### 2. DEVELOPMENT OF CROQUIES BASED ON THE HEAD THEORIES

- Children-Boy and Girl. **3 Hrs**
- Women **3 Hrs**
- Men **3 Hrs**

#### 3. CHILDREN'S GARMENTS

- Jabla-Different Styles **3 Hrs**
- Frock- Different Styles **3 Hrs**
- Sherwani- Different Styles **3 Hrs**

#### 4. WOMEN'S GARMENTS

- Create a One Piece Garment based on the Theme Primary Colors **4 Hrs**
- Create a Middi& Top based on the Theme Secondary Colors **4 Hrs**
- Create a Salwar Kameez based on the Theme Cool Colors **4 Hrs**
- Create a House Coat based on the Theme Neutral Colors **4 Hrs**
- Create a Nightie based on The Theme Warm Colors **4 Hrs**

#### 5. MEN'S GARMENTS

- SB Vest-Mapping of Original Colour **4 Hrs**
- T-Shirt- Mapping of Abstract designs **4 Hrs**
- Shirts- Mapping of Checked Designs **4 Hrs**

- Kurta- Mapping of Dotted Designs **4 Hrs**
- Pant - Mapping of Checks / Plaids **4 Hrs**

**6. CREATE LOGO FOR INDIAN APPAREL BRANDED COMPANY. 3 Hrs**

**7. CREATE LOGO FOR INTERNATIONAL APPAREL BRANDED COMPANY.  
3 Hrs**

**8. CREATE A CARE LABEL FOR GARMENTS. 2 Hrs**

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
I	20UFT6CC15P			COMPUTER AIDED DESIGNING – PRACTICAL			5		5	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓		✓	✓	✓	✓	✓	✓	✓
CO2		✓			✓	✓	✓	✓		✓
CO3	✓	✓	✓	✓	✓		✓	✓		✓
CO4	✓		✓	✓		✓		✓	✓	✓
CO5	✓	✓	✓	✓	✓	✓	✓		✓	
Number of Matches= 38, Relationship : High										

Prepared by :

2. T.Nisaanthi

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High



Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
VI	20UFT6CC16P	Core - XVI	Fashion Portfolio Presentation – Practical	5	5	100	20	80

### Course Outcomes:

At the end of this course, students will be able to

1. Understand and communicate the fashion forecasting.
2. Gain knowledge on the selection of the raw material and accessories.
3. Apply and produce a garment as per designs or based on requirements.
4. Develop a portfolio for individual designs and garment.
5. Explore the significance of photography

### I. Manual and Digital Photography

- |  |        |
|--|--------|
| 1. Trend Forecasts                       | 4 Hrs  |
| 2. Theme Write Up                        | 4 Hrs  |
| 3. Mood Board                            | 5 Hrs  |
| 4. Theme Board                           | 4 Hrs  |
| 5. Color Board                           | 4 Hrs  |
| 6. Customer Profile                      | 4 Hrs  |
| 7. Fabric Sourcing – Swatches            | 5 Hrs  |
| 8. Design Development                    | 5 Hrs  |
| 9. Illustration with Backdrops           | 4 Hrs  |
| 10. Specification Sheet                  | 5 Hrs  |
| 11. Pattern Making                       | 5 Hrs  |
| 12. Garment Construction                 | 6 Hrs  |
| 13. Photo section (photo with backdrops) | 5 Hrs  |
| 14. Final Presentation                   | 10 Hrs |
| 15. Prepare the garments (2-4 Garments)  | 5 Hrs  |

- To create portfolio videos for 3-5 minutes

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
VI	20UFT6CC16P		Fashion Portfolio Presentation – Practical			5		5		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓		✓	✓		✓	✓	✓		✓
CO2	✓	✓				✓	✓			✓
CO3	✓	✓	✓	✓		✓		✓		
CO4	✓	✓	✓	✓			✓	✓	✓	✓
CO5			✓	✓	✓		✓	✓	✓	✓
Number of Matches= 34, Relationship : High										

Prepared by:

K.R.Thenmozhi

checked by:

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
VI	20UFT6DE2A	Discipline Specific Elective-II	National And International Marketing 100%	5	4	100	25	75

### Describe **Course Outcomes:**

At the end of this course, students will be able to

1. the importance of export and import procedures
2. Gain knowledge in export documents and trade.
3. Evaluate the importance of foreign exchange market
4. Develop the domestic and international trade knowledge
5. Understand the significance of e business

### **UNIT-I: INTRODUCTION TO MARKETING MANAGEMENT**

**15 Hrs**

Concept of Marketing, Marketing Management Process – Analysis, Opportunities, Selecting target consumer's, Developing Marketing Mix, Marketing Research Process – Sales of Forecasting – Techniques, Modern Marketing Concept – Important and Components of Marketing Concept.

### **UNIT-II: NATIONAL MARKETING**

**15 Hrs**

Introduction to National Marketing, Kinds of Marketing, National Marketing Strategy vs Regional Marketing – Geographical, Financial, Market Segmentation, Cooperative Activities, Physical and Electronic Markets.

### **UNIT-III: INTERNATIONAL MARKETING AND ENVIRONMENT**

**15 Hrs**

Introduction, International and Domestic Marketing, Determinants of Motivation to Export, Importance of International Marketing, International Marketing Environment – Economic, Social, Demographic, Political and Government, Technical, International Legal Environment.

### **UNIT-IV: PRICING AND POLICY**

**15 Hrs**

Importance, Factors affecting Pricing Decisions- Internal and External factors, Pricing objectives and policies, Kinds of pricing, Strategies and approaches, Product policy, Components and level of products, Product Life Cycle, Consumer and Industrial Product decision, Branding, Packaging and Labeling.

### **UNIT-V: E-BUSINESS**

**15 Hrs**

Definition,, components of electronic, Features of E-Business, Marketing participants in E-Business functions of E-Business, Fundamentals of E-Business – Early online sales, Modern web, Sales, Current state of E-business. # Advantage and Disadvantages of E-Business.

**#.....# Self-Study Portion**

**TEXT BOOKS :****T.B -1** MBA – Paper –XII (Marketing Management).**T.B– 2** MBA – Paper – XVI (International Marketing)**T.B -3** Marketing (M.Vidhya KSR College of Arts and MJP Publishers Science, Tiruchengode, Year (1976), Paper – XII.**T.B** – Web Reference – Digital Guide on Marketing E-Business

<b>Unit I</b>	Chapter I	Study Material Prepared by Department
<b>Unit II</b>	Chapter II	Study Material Prepared by Department
<b>Unit III</b>	Chapter III	Study Material Prepared by Department
<b>Unit IV</b>	Chapter IV	Study Material Prepared by Department
<b>Unit V</b>	Chapter V	Study Material Prepared by Department

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
VI	20UFT6DE2A			NATIONAL AND INTERNATIONAL MARKETING			5		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓	✓		✓	✓	✓	✓
CO2	✓	✓	✓		✓	✓		✓	✓	
CO3		✓	✓	✓		✓		✓	✓	✓
CO4	✓	✓	✓		✓	✓	✓	✓	✓	✓
CO5	✓		✓	✓		✓	✓	✓	✓	✓
Number of Matches= 40, Relationship : High										

Prepared by:

checked by:

2. R.Jeevitha

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. marks	Internal marks	External marks
VI	20UFT6DE2B	DSE - II **	INTERIOR DECORATION	5	4	100	25	75

### Course Outcomes:

At the end of this course, students will be able to

1. Know how to choose and design floor finishes.
2. Gain knowledge in lighting and its effects and its uses
3. Recognize the importance of cleaning equipments and agents
4. Develop the importance of arrangement procedures and alignments.
5. Discuss about style creations and presentations.

### UNIT-I: FURNITURES

15 Hrs

Introduction, choosing furniture – style, design and construction, wooden furniture. Wicker and cane furniture, meta furniture, plastic, upholstered furniture, #requirements for furniture #.

### UNIT-II: FLOOR AND FLOOR FINISHER

15 Hrs

Choosing floorings – sub floors, classification of floor finishes – hard floor finishes, semi hard finishes, anti-static floor surfaces, # general care and cleaning of floorings #.

### UNIT-III: WALL COVERINGS

15 Hrs

Introduction to wall covering – types of wall covering – paints, wall paper, plastic ware covering, fabric wall covering, Wood – paneling, # glass wall covering, metal wall covering #.

### UNIT-IV: LIGHTING AND FLOWERS ARRANGEMENTS

15 Hrs

Lighting – lighting and its effects, # fittings and shades #, uses of lighting  
.Flowers Arrangements – types and principles of flowers arrangements, artificial flowers.

### UNIT-V: CLEANING EQUIPMENTS AND AGENTS

15 Hrs

Manual equipment- brushes mop and cloths. Mechanical equipment – vaccum cleaner, polishing machines, hot water extraction machine – # choice of equipment # – cleaning agent, storage and replenishment of cleaning agents.

#.....# **Self-Study Portion**

### TEXT BOOK :

**T.B-1** Study Material prepared by the Department.

**Unit I** Chapter I **T.B-1**

**Unit II** Chapter II **T.B-1**

<b>Unit II</b>	Chapter III	<b>T.B-1</b>
<b>Unit IV</b>	Chapter IV	<b>T.B-1</b>
<b>Unit V</b>	Chapter V	<b>T.B-1</b>

### Books for Reference:

1. Hotel and Hospital House Keeping – Fifth Edition by John-C. Bransh Margaret Lennox,  
Published by ELSI, In sprint, Hodder and Shoughton.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code			Title of the Paper			Hours		Credits	
VI	20UFT6DE2B			INTERIOR DECORATION			5		4	
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1		✓	✓			✓		✓		✓
CO2	✓	✓		✓	✓	✓	✓	✓		✓
CO3	✓			✓	✓	✓		✓	✓	✓
CO4	✓	✓	✓	✓			✓	✓		✓
CO5	✓	✓	✓			✓		✓	✓	✓
Number of Matches= 34, Relationship : High										

Prepared by :

checked by:

2. T.Nisaanthi

1. Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
VI	20UFT6DE3A	DSE - III **	Apparel Merchandising 100%	4	4	100	25	75

### **Course Outcomes:**

At the end of this course, students will be able to

1. Impart knowledge about Apparel marketing
2. Learn about concept of Merchandising
3. Understand the functions of Visual merchandising
4. Discuss knowledge about the Pricing
5. Analyze the Product promotion

### **UNIT-I: APPAREL MERCHANDISING**

**12hrs**

Apparel Merchandising-Functions of Merchandiser, Merchandising Process, needs of merchandiser, Importance of merchandising, Types of Merchandising Company and its difference.

### **UNIT-II: MERCHANDISING**

**12hrs**

Merchandising - Definition, Apparel merchandising - organization structure of an apparel industry - classification of exporters - classification of buyers - export merchandising.#essential requisites of a good merchandiser# – vendor sourcing, Development – vendor nominations by buyers.

### **UNIT-III: VISUAL MERCHANDISING**

**12hrs**

Visual Merchandising – Introduction, concepts and role, importance in store planning, Visual merchandising techniques. Fundamentals of visual merchandising, Display-Types of Displays, # Elements of Display #, lighting, dressing, props and promotions, masking and proscenia, mannequins and three dimensional dressing, Fashion show.

### **UNIT-IV: CONCEPTS OF MERCHANDISING**

**12hrs**

Work of merchandiser- role of merchandiser in garment Industry, apparel industry, super market and retail sales, Concepts of merchandising, Apparel product lines, dimensions of product change, determination and development of product line and product range.

### **UNIT-V: RETAIL MERCHANDISING**

**12hrs**

Retail merchandising – Merchandise planning – Merchandise hierarchy – Buying function – Category management – Markup & Mark down – Shrinkage in merchandising management – Gross margin return on inventory – Supply chain management in apparel retailing – ERP in apparel industry.

**TEXT BOOKS :**

**T.B-1**Sodia and Chatley, Fashion Marketing and Merchandising, Kalyani Publication, New Delhi, 2008.

**T.B-2-** Apparel Merchandising, Robin Mathew, Book Enclave Publishers, Jaipur, 2008.

**T.B-3**Fashion marketing and merchandising, Pooja Chatley,Manmeet Sodhia,Kalyani publishers,2003.

**T.B-4-** Fashion Merchandising, Elian Stone, McGraw-Hill Publication, 2004.

**T.B-5**Visual merchandising and display. Martin M,Pegler,Fair child publications,1983.

**Books for References:**

1. Apparel Merchandising, An integrated Approach, Krishnakumar, M, Abishek Publications, 2010.
2. Apparel Merchandising, Jerry A & Rosenau, Fairchild Publications, London, 2007.
3. Inside the Fashion Business, Mc Millan Publishing Co, 7th Edition, 2004.
4. Apparel merchandising, an integrated approach, Krishna Kumar M,2010 publications.
5. Harold koontz and Heine wehrich, essentials of management, TATA McGraw hill,1998.
- 6.DarlieO’Koshy, “ Garment Exports -Winning Strategies”, Prentice Hall of India, 1997.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
V	20UFT6DE3A		Apparel Merchandising			4		4		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓					✓				
CO2			✓		✓		✓		✓	
CO3	✓				✓		✓			
CO4				✓						✓
CO5		✓						✓		
Number of Matches= 38, Relationship : High										

Prepared by:

checked by:

B.Jabeen

Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High



Semester	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
VI	20UFT6DE3B	DSE - III **	Costumes and Personal Appearance	4	4	100	25	75

### **Course Outcomes:**

At the end of this course, students will be able to

1. Understand the personal appearance and personality development
2. Enhance the students with personal values and style
3. Develop the knowledge about expressing personality through costume.
4. Discuss on good costume and colour matching
5. Develop wardrobe building

### **UNIT-I: PERSONAL APPEARANCE**

**12 Hrs**

Personal attractiveness and social values, Development of one's clothing behavior – # Appearance affects one's state of mind #Personality Development, Effective Communication.

### **UNIT-II: THE MEANING OF STYLE**

**12 Hrs**

Style versus fashion, Judgments and a sense of values, Standards and sense of values, Contemporary standards of style. Importance of good fabric, Importance of good workmanship and fit. # Some intangible secrets of style #.

### **UNIT-III: PERSONAL EXPRESSION**

**12 Hrs**

Personal expression– Selection, Evidence of opposing characteristics, # Expressing personality through costume # Techniques self-made beauty – Physical self – Proper weight – pleasing voice – facial expression – Good look.

### **UNIT-IV: DESIGN ESSENTIAL FOR GOOD COSTUME**

**12 Hrs**

Good costume – Terms and Classifications - Line direction, Form, Spacing and Shape. Design development, Principles of composition, Color matching – color terminology, color systems. # Texture combination #.

### **UNIT-V: WARDROBE BUILDING**

**12 Hrs**

Introduction, taste and clothing budget, stretching the clothing income by sewing at home. Procedure for planning wardrobe. Essential consideration in wardrobe building.# Building a versatile wardrobe #. Types of occasions established by convention.

#.....# **Self-Study Portion**

### **TEXT BOOK:**

T.B1. The art of Costume and Personal Appearance by Grace Margaret Morton – 2<sup>nd</sup> Edition, John Wiley and Sons Inc., London.

T.B2. Sewing perfect-wardrobe, October 5,2021.

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
VI	20UFT6DE3B		Costumes and Personal Appearance			4		4		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓					✓				
CO2			✓		✓		✓			
CO3					✓		✓			
CO4				✓						✓
CO5								✓		
Number of Matches= 38, Relationship : High										

Prepared by:

checked by:

B.Jabeen

Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High

Semester	Code	Course	Title of the Course	Hours	Credits	Max. Marks	Internal Marks	External Marks
VI	20UFT6EC2	Extra Credit Course-II	Fashion Technology for Competitive Examinations	-	4*	100	-	100

### Course Outcomes:

At the end of this course, students will be able to

1. Identify the types of fiber and learn spinning operations
2. Knowledge to appear in Handloom, Textile Ministry, CSB, SITRA, NITRA, Khadi exams
3. Understand the basic concepts of Trade and Exports
4. Discuss knowledge about the Textile Policies and Schemes
5. Analyze the textile Tests and Calculations

### Unit -1 Textiles

Fiber Identification & Blend Analysis. Physical Properties of Fibers., Synthetic Fiber Spinning Post Spinning Operations. Spinning. Weaving. Testing as well as Quality Control. Chemical Processing Knitting & Garments. Non wovens & Technical Textiles. Textile Management & Environment Conservation.

### Unit -2 Textile Economics

Overview -Index of Industrial Production(for Textiles Items) Whole Sale Price Index of Textiles Items ,Share of Textiles Sector to GDP -Employment in Organized Textiles and Wearing Apparel Sector ,Production of Major Textile Items(Estimated) –Industry and its growth- Cotton, silk, jute ,manmade and regenerated fibers.

### Unit -3 Foreign Trade -Exports and Imports

Exports and Imports of Textiles ,Twelfth Five Year Plan Period ,Eleventh Five Year Plan Period Tenth Five Year Plan Period ,Ninth Five Year Plan Period ,Eight Five Year Plan Period Textile, Export Trend ,Textiles Exports to Top 10 Countries Textiles Exports to EU Countries

### Unit -4 Textile Policies and Schemes

Make In India Investment Cell, Textile Export Quota Policy, National Jute Policy- National Textile Policy .Technical Textiles Scheme-Scheme Guidelines for Pilot Phase to set up Incubation Centers in Apparel Manufacturing. Guidelines For Centrally Sponsored Scheme For Development of Mega Cluster Scheme

### Unit -5 MATHEMATICS AND COMPUTATION IN TEXTILES

Statistical description of test data — measures of central tendency and dispersion; Objective tests of significance like "t", "F", Chi square and the Analysis of Variance; Tests for analysis of subjective data; Correlation and Regression; Multivariate statistical tools. Fiber, yarn and Fabric Calculations

**TEXT BOOKS:**

1. S. P. Mishra (2000) (principal of Institute of Textile Technology.) A Text Book of Fiber Science and Technology
2. American Society for Testing and Materials · (1968) Book of A.S.T.M. Standards, with Related Material
3. Arthur Price, Joseph James Pizzuto, Allen C. Cohen · (1974), Fabric Science
4. John Singleton · (2013) World Textile Industry
5. Expert Committee on Technical Textiles · (2004) Report of the Expert Committee on Technical Textiles

Relationship Matrix for Course Outcomes, Programme Outcomes and Programme Specific Outcomes:

Semester	Code		Title of the Paper			Hours		Credits		
VI	20UFT6EC2		Fashion Technology for Competitive Examinations			-		4*		
Course Outcomes (COs)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓	✓	✓	✓	✓		✓
CO2	✓	✓	✓	✓	✓	✓	✓	✓		✓
CO3		✓	✓	✓	✓	✓	✓	✓		
CO4	✓	✓	✓	✓			✓	✓	✓	✓
CO5			✓	✓	✓		✓	✓	✓	✓
Number of Matches= 38, Relationship : High										

Prepared by:

1. Archana V C

checked by:

Dr. M. Aneez Mohamed

Note:

Mapping	1–29%	30–59%	60–69%	70–89%	90–100%
Matches	1-14	15-29	30-34	35-44	45-50
Relationship	Very Poor	Poor	Moderate	High	Very High