

JAMAL MOHAMED COLLEGE (Autonomous), Tiruchirappalli-620 020

UG (Science) Programme – Course Structure under CBCS

(Applicable to the candidates admitted from the academic year 2017 -2018 onwards)

SEM	COURSE CODE	PART	COURSE	COURSE TITLE	Ins. Hrs /Week	CREDI T	MARKS		TOT AL
							CIA	ESE	
I	17U1LT1/LA1/LF1/LH1/LU1	I	Language – I		6	3	25	75	100
	17UCN1E1	II	English - I		6	3	25	75	100
	17UFT1C1	III	Core – I	Textile Science	5	5	25	75	100
	17UFT1C2P		Core – II	Fashion Illustration - Practical	3	2	20	80	100
	17UFT1A1		Allied – I	Basic Garment Construction	5	4	25	75	100
	17UFT1A2P		Allied – II	Basic Garment Construction – Practical	3	2	20	80	100
	17UCN1VE	IV	Value Education	Value Education	2	2	-	100	100
TOTAL					30	21			700
II	17U2LT2/LA2/LF2/LH2/LU2	I	Language – II		6	3	25	75	100
	17UCN2E2	II	English – II		6	3	25	75	100
	17UFT2C3	III	Core – III	Fashion Designing	6	5	25	75	100
	17UFT2C4P		Core – IV	Fashion Designing – Practical	3	2	20	80	100
	17UFT2A3P		Allied – III	Pattern Making - Practical	4	3	20	80	100
	17UFT2A4		Allied – IV	Principles of Pattern Making	3	2	25	75	100
	17UCN2ES	IV	Environmental Studies	Environmental Studies	2	2	-	100	100
TOTAL					30	20			700
III	17U3LT3/LA3/LF3/LH3/LU3	I	Language– III		6	3	25	75	100
	17UCN3E3	II	English – III		6	3	25	75	100
	17UFT3C5	III	Core– V	Garment Manufacturing Technology	4	4	25	75	100
	17UFT3C6		Core– VI	Fashion Clothing Psychology	3	2	25	75	100
	17UFT3A5P		Allied– V	Pattern Making and Garment Construction for Children’s Wear – Practical	4	3	20	80	100
	17UFT3A6P		Allied–VI	Surface Embellishment - Practical	3	2	20	80	100
	17UFT3N1P	IV	Non Major Elective I	Hand Embroidery – Practical	2	2	-	100	100
17UCN3S1	Skill Based Elective - I		Soft Skills Development	2	2	-	100	100	
TOTAL					30	21			800
IV	17U4LT4/LA4/LF4/LH4/LU4	I	Language–IV		6	3	25	75	100
	17UCN4E4	II	English– IV		6	3	25	75	100
	17UFT4C7P	III	Core– VII	Fashion Draping – Practical	5	5	20	80	100
	17UFT4C8		Core - VIII	Fabric Structure and Design	3	2	25	75	100
	17UFT4A7P		Allied– VII	Pattern Making and Garment Construction for Women’s Wear – Practical	5	3	20	80	100
	17UFT4A8		Allied–VIII	Knitting	3	2	25	75	100
	17UFT4N2P	IV	Non Major Elective - II	Painting Techniques – Practical	2	2	-	100	100
17UCN4EA	V	Extension Activities	NCC, NSS, etc.	-	1	-	-	-	
TOTAL					30	21			700
V	17UFT5C9I	III	Core – IX	Internship	6	5	-	100	100
	17UFT5C10		Core – X	Wet Processing	5	5	25	75	100
	17UFT5C11P		Core – XI	Wet Processing – Practical	5	5	20	80	100
	17UFT5C12P		Core - XII	Computer Aided Designing – Practical	5	5	20	80	100
	17UFT5M1		Major Based Elective – I		5	4	25	75	100
	17UFT5S2	IV	Skill Based Elective II		2	2	-	100	100
	17UFT5S3		Skill Based Elective – III		2	2	-	100	100
17UFT5EC1		Extra Credit Course - I	Visual Merchandising	-	4*	--	100*	100*	
TOTAL					30	28			700
VI	17UFT6C13P	III	Core– XIII	Pattern Making and Garment Construction for Men’s Wear – Practical	5	5	20	80	100
	17UFT6C14		Core– XIV	Textile Testing	5	5	25	75	100
	17UFT6C15P		Core - XV	Textile Testing – Practical	5	5	20	80	100
	17UFT6C16P		Core XVI	Fashion Portfolio Presentation - Practical	5	5	20	80	100
	17UFT6M2		Major Based Elective II		5	4	25	75	100
	17UFT6M3		Major Based Elective III		4	4	25	75	100
	17UCN6GS	V	Gender Studies	Gender Studies	1	1	-	100	100
17UFT6EC2		Extra Credit Course - II	Apparel Merchandising and Marketing	-	4*	--	100*	100*	
TOTAL					30	29			700
GRAND TOTAL					180	140			4300

Non Major Electives:

SEMESTER	Non Major Elective – I & II
III	Hand Embroidery – Practical
IV	Painting Techniques – Practical

Skill Based Elective:

SEMESTER	Skill Based Elective II & III	
V	Cosmetology	Home Science
V	Textile Science	Textile Dyeing

Major Based Electives:

SEMESTER	Major Based Electives	
V	Garment Quality and Cost Control	Soft Furnishing
VI	Globalisation and Export Documentation	Interior Decoration
VI	Traditional Indian Costumes and Embroidery	Costumes and Personal Appearance

SEMESTER I: CORE I

TEXTILE SCIENCE

Subject Code :	17UFT1C1	Max. Marks :	100
Hours/Week :	5	Internal Marks :	25
Credit :	5	External Marks :	75

Objectives:

- To gain the basic knowledge of textiles.
- To learn the properties and manufacturing of different fibers.
- To enable the students to know about basic manufacturing fabrics.

UNIT-I: FIBERS CLASSIFICATION

18Hrs

Introduction to the Fibers – Classification and properties of Textile Fibers- Natural- Vegetable, Animal and Mineral Fibers - Manmade fibers – Synthetic, Regenerated Fibers - General properties of Textile Fibers-Primary properties – Fiber length, tenacity, flexibility, cohesiveness, uniformity and Secondary properties – physical shape, density, cover, specific gravity, luster, color, hand, # moisture regain and moisture absorption, elasticity, resiliency, flammability #.

UNIT-II: FIBER MANUFACTURING PROCESS

18Hrs

Manufacturing Process, # Properties and Uses of Natural Fibers # - cellulose fiber-Cotton, Linen, Jute. protein fibers- Silk, Wool. Manmade fibers- Nylon, Polyester, Polyamide, Acrylic. Regenerated fibers- Viscose Rayon, Acetate Rayon,

UNIT-III: YARN MANUFACTURING PROCESS

18Hrs

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

UNIT-IV: WOVEN

18Hrs

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

UNIT-V: KNITTING AND NON-WOVENS

18Hrs

Introduction to Knitting -Definition, Classification of Knitting. Nonwoven-Definition and Techniques For Preparing Nonwovens - 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.

Unit I	Chapter I	T.B-1	Chapter II	T.B-2
Unit II	Chapter IV, V	T.B-1	Chapter II	T.B-2
Unit III	Chapter II	T.B-1		
Unit IV	Chapter IV	T.B-1,	Chapter II	T.B-2
Unit V	Chapter V, VIII	T.B-1		

Books for Reference:

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

SEMESTER I: CORE II

FASHION ILLUSTRATION - PRACTICAL

Subject Code :	17UFT1C2P	Max Mark :	100
Hours/Week :	3	Internal Marks :	20
Credit :	2	External Marks :	80

Objectives:

- To learn the basic techniques of sketching.
- To know the drawing methods of fashion figures.
- To know the sketching methods of different dresses and ornaments.

PREPARE SKETCHES FOR THE FOLLOWING

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

DRAW & SHADE THE FOLLOWING WITH SUITABLE SHAPE & SIZE

10. Different types of Collars. **2 Hrs**
11. Different types of Sleeves. **2Hrs**
12. Different types of Necklines. **2Hrs**
13. Different types of Skirts. **2Hrs**
14. Different types of Ladies Tops. **2Hrs**
15. Different types of Shirt. **2Hrs**
16. Different types of Pant (Full and Half). **2Hrs**

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| 17. Different types of Salwar Kameez with Fashion Figure. | 2Hrs |
| 18. Illustrate figures using Textured effects in Garments. | 1Hrs |
| 19. Illustrate figures using Rendering effects in Garments. | 1Hrs |
| 20. Illustrate figures for Casual Wear (Women and Men). | 2Hrs |
| 21. Illustrate figures for Formal Wear(Women and Men). | 2Hrs |
| 22. Illustrate figures for Stylish Wear (Women and Men). | 2Hrs |
| 23. Different types of Accessories-Bags, Foot wear, Hats. | 2Hrs |
| 24. Different types of Ornaments – Traditional, Modern and Antique. | 2Hrs |

SEMESTER I: ALLIED I

BASIC GARMENT CONSTRUCTION

Subject Code :	17UFT1A1	Max. Marks :	100
Hours/Week :	5	Internal Marks :	25
Credit :	4	External Marks :	75

Objectives:

- To Gain Knowledge in Seams and its Finishes.
- To learn about hems and Fullness.
- To enable the students in basic garment construction details.

UNIT- I: SEAMS & SEAM FINISHES

15 Hrs

Seams – Definition, Types – Plain S, Top-Stitched, Double Top Stitched, Lapped, Welt Seam, Flat fell, French, Manutua Maker’s and Piped. Seam Finishes- Definition, Types- Pinked , # Edge Stitched, Double Stitch #, Overcast, Herringbone Finished Seam and Bound Seam Edge Finish.

UNIT-II: FACING, HEMS & FULLNESS

15 Hrs

Facings - Bias Facings, Shaped Facing and Decorative Facing. Binding - Single bias Binding, Double bias binding. Hems- Definition, Types – Stitched and Turned Hem, Seam Binding Hem Finish, Catch Stitched Hem, Narrow Machine Stitched Hem. Fullness-Definition, Types - Darts, Tucks, Pleats, # Flares and Godets #, Gathers, Frills and Ruffles.

UNIT-III: PLACKETS & FASTNERS

15 Hrs

Plackets - Definition, # Characteristics of a good placket #, Types - Inconspicuous Plackets and Conspicuous Plackets. Fastners – Definition, Types – Buttons & Button Hole, Snaps & Press Buttons, Hooks & Eyes, Zipper, Eyelets & Cord.

UNIT-IV: SLEEVES & COLLARS

15 Hrs

Sleeves-Definition, Types - Set-in-Sleeves-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 and Shawl Collars#. Stand Collar, Chinese Collar, Turtle Neck Collar.

UNIT – V: POCKETS & YOKES

15 Hrs

Pockets-Types - # Patch pocket #, Bound pocket, Pocket in a Seam, Front hip pocket. Yokes – Definition, Types – Yoke with fullness, Yoke without Fullness, Yoke supporting/Releasing Fullness.

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

TEXT BOOK:

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

UNIT I	Chapter V	T.B –1
UNIT II	Chapter VI & XI	T.B – 1
UNIT III	Chapter VII, IX & X	T.B – 1
UNIT IV	Chapter VII & VIII	T.B – 1
UNIT V	Chapter XI & XII	T.B – 1

SEMESTER I: ALLIED II

BASIC GARMENT CONSTRUCTION – PRACTICAL

Subject Code	:	17UFT1A2P	Max. Marks	:	100
Hours	:	3	Internal Marks	:	20
Credit	:	2	External Marks	:	80

1. Preparation of samples for Seams and Seam Finishes. **5 Hrs**
2. Preparation of samples for Hems. **5 Hrs**
3. Preparation of samples for Fullness. **5 Hrs**
4. Preparation of samples for Facings and Binding. **5 Hrs**
5. Preparation of samples for Plackets and Fasteners. **5 Hrs**
6. Preparation of samples for Sleeves - Plain Sleeve, Puff Sleeve, Raglan sleeve
Kimono Sleeve. **5 Hrs**
7. Preparation of samples for Yokes -with Fullness, Supporting and Releasing. **5 Hrs**
8. Preparation of samples for Collar- Peter Pan Collar, Full Shirt Collar
Shawl Collar, Stand Collar. **5 Hrs**
9. Preparation of samples for Pocket - Patch, Bound and Pocket set into Seam. **5 Hrs**

SEMESTER I: VALUE EDUCATION

VALUE EDUCATION

Subject Code :	17UCN1VE	Max. Marks :	100
Hours/Week :	2	Internal Marks :	-
Credit :	2	External Marks :	100

Objectives:

- To impart the meaning and purpose of life.
- To understand basic culture and individual qualities of human.
- To give awareness on human rights and anti-corruption.

UNIT-I: PURPOSE AND PHILOSOPHY OF LIFE

5 Hrs

Purpose and philosophy of life-Basic needs, safety measures, ethics, wisdom of perfection stages. Law of nature – unified force, cause and effect system. Education – nonviolence, five-fold moral culture. Protecting nature.

UNIT-II: GREATNESS OF LIFE FORCE AND MIND

5 Hrs

Greatness of life force and mind – maintaining youthfulness, bio-magnetism and body, food-transformation into seven minerals, reasons for hunger, circular movement of life force, mind-development of mind in ten stages, mental frequency, meditation –benefits.

UNIT-III: INDIVIDUAL QUALITIES

5 Hrs

Individual qualities-Indian culture – four structures – spiritually guided young age, family life, introspection – analysis of thought, six roots for thoughts, introspection for analysis of thoughts, practical technique for analysis of thoughts, service.

Desire – moralization of desire, analysis of desire. Anger-definition, neutralization of anger-method of neutralization of anger. Benefits of blessings, greatness of friendship. Love and compassion.

UNIT-IV: HUMAN RIGHTS

5 Hrs

Human rights – introduction –definition of human rights and duties – nature of human rights – characteristics of human rights – functional principles of human rights – historical backgrounds of human rights – classification of human rights.

Theories of human rights-theory of natural rights, legal theory of rights, historical theory of rights, social theory of rights, economic theory of rights and human duties.

UNIT-V: ANTI-CORRUPTION

5 Hrs

Anti-corruption- corruption – causes, anticorruption measures in india – CBI, Santhanam Committee's recommendations – CVC (Central Vigilance Commission) – functions – LOKPAL – Salient features of LOKPAL bill 2001-Lokayukta, Right to Information Act-features and advantages.

SEMESTER II: CORE III

FASHION DESIGNING

Subject Code :	17UFT2C3	Max. Marks :	100
Hours/Week :	6	Internal Marks :	25
Credits :	5	External Marks :	75

Objectives:

- To know the structural and Decorative designs.
- To gain knowledge about the elements of art and principles of design applied in different area.
- To understand different colors moods and their meaning.
- To design the garment for unusual figures.

UNIT-I: INTRODUCTION OF DESIGN

15Hrs

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

UNIT-II: ELEMENTS OF ART, PRINCIPLES OF DESIGN, PRINTS AND PATTERNS

15Hrs

Elements of Art - Line, Shape or Forms, Color, Size, and Texture. Principle of Design- Balance, Rhythm, Proportion, Harmony and Emphasis. Print and Patterns- Developing Patterns for Fabric Designs.

UNIT-III: COLOR THEORY

15Hrs

Colors – Importance of colour. Dimensions of Color– Hue, Value, Intensity. Color Theory-Prang Colour Chart, Munsell Chart, Cool colors, and Warm colors. Color Wheel, Related to Color Harmony- Monochromatic, Analogous, Complimentary Color Harmony# Spilt Complimentary, Double Complimentary#.

UNIT- IV: FIGURE IRREGULARITIES

15Hrs

Garment Designing for Figure Irregularities becoming and unbecoming, for the following Figure types – Tall and Thin Figure, Tall and Stout Figure, Short and Stout Figure, Short and Thin Figure, Ideal Figure, Narrow Shoulders, Round Shoulders, Broad Shoulders. #Diamond Face, Oval Face, Square Face, Round Face, Oblong Face, Heart Face#.

UNIT-V: WARDROBE PLANNING

15Hrs

Definition - Wardrobe , Wardrobe Planning – Purpose of a wardrobe plan – clothing preference for different age groups, clothing plan based on family budget – Developing an individual clothing budget – Procedure for planning wardrobe – Essential considerations in wardrobe building – # 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.

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

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

Unit III Chapter V **T.B-4**

Unit IV Chapter I **T.B-5**

Unit V Chapter VI **T.B-4**

Books for References:

1.BetsyHosegood, “The Complete Book of Sewing”, Dorling Kindersley Limited, London, 2006.

2.JudithRasband, “Wardrobe Strategies for Women”, Judith Rasband, Delmar Publishers, London,1995.

3.SusheelaDantyagi, “Fundamental of Textiles and Their Care”, 5th Edition, Orient Longman Limited, New Delhi, 2006.

4.DickersonGitty.G, “Inside the Fashion Business”, Pearson Education, India, 2004.

SEMESTER II: CORE IV

FASHION DESIGNING - PRACTICAL

Subject Code :	17UFT2C4 P	Max Marks :	100
Hours/ Week :	3	Internal Marks :	20
Credit :	2	External Marks :	80

Objectives:

- To know the structural and Decorative designs.
- To gain knowledge about the elements of art and principles of design applied in different area.
- To understand different colors moods and their meaning.
- To design the garment for unusual figures.

I. TYPES OF DESIGN 5 Hrs

- Structural Design
- Decorative Design

II. PREPARE THE FOLLOWING CHARTS 7Hrs

- Prang Color Charts
- Value Chart
- Intensity Chart

III. ILLUSTRATE GARMENT DESIGNS FOR THE ELEMENTS OF DESIGN 8 Hrs

- Line
- Colors
- Texture
- Shape
- Size

IV. ILLUSTRATE GARMENT DESIGNS FOR THE PRINCIPLES OF DESIGN 9 Hrs

- Balance
- Harmony
- Emphasis
- Proportion
- Rhythm

V. ILLUSTRATE THE COLOR HARMONY IN DRESS DESIGN 9 Hrs

- Monochromatic Colour Harmony
- Analogous Color Harmony
- Complimentary Colour Harmony
- Double Complimentary Colour Harmony
- Split Complimentary Colour Harmony
- Traid Colour Harmony

VI. ILLUSTRATE THE DRESS DESIGN USING SUITABLE NECKLINES FOR FIGURE IRREGULARTIES 7 Hrs

- Thin Figure
- Stout Figure
- Ideal Figure
- Broad Shoulders
- Narrow Shoulder

SEMESTER II: ALLIED III

PATTERN MAKING – PRACTICAL

Subject Code :	17UFT2A3P	Max Marks :	100
Hours/ Week :	4	Internal Marks :	20
Credit :	3	External Marks :	80

Objectives:

- To create different types of patterns for both men's and women's.
- To suggest suitable fabrics, colours and designs for all patterns.
- To learn the drafting procedures for all.

Designing and Draft the following Children's Garments

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

Designing and Draft the following Women's Garments

8. Saree Petticoat- Six Panel.	2Hrs
9. Blouse.	2Hrs
10. Middi.	2Hrs
11. Middi-Top.	2Hrs
12. Salwar / Churidhar/ Palazoo Pant.	2Hrs
13. Kameez, A- Line, Dabang.	2Hrs
14. Nightie.	2Hrs
15. Night Pant & Top.	2Hrs

Designing and Draft the following Men's Garments

16.	S.B Vest.	2Hrs
17.	T-Shirt.	2Hrs
18.	Slack Shirt.	2Hrs
19.	Kalidhar Kurta.	2Hrs
20.	Nehru Kurta.	2Hrs
21.	Pyjama/Bermudas.	2Hrs
22.	Narrow Bottom/ Pleated	2Hrs

SEMESTER II: ALLIED IV

PRINCIPLES OF PATTERN MAKING

Subject Code :	17UFT2A4	Max Marks :	100
Hours/Week :	3	Internal Marks :	25
Credit :	2	External Marks :	75

Objectives:

- To study the methods of pattern making and its alternation.
- To gain knowledge in drafting, draping and flat pattern alteration.
- To learn the techniques of good fit.

UNIT-I: BODY MEASUREMENTS AND TOOLS 12Hrs

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.

UNIT-II: PATTERN MAKING 12Hrs

Pattern Making – Methods of pattern making – Drafting, Draping - Merits and Demerits, # Types of paper patterns –basic pattern, commercial and custom made patterns #. Principles of pattern drafting, pattern details, Types of paper used for pattern making.

UNIT-III: DRAFTING AND DRAPING 12Hrs

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: FITTING TECHNIQUES 12Hrs

Fitting- Standards of Good Fit, Fitting Techniques. Styles created by shifting of blouse darts,# Steps in preparing & Checking Fitness for a Blouse #. Pattern Alteration- Importance, General Principles and Common Pattern alternation in Blouse.

UNIT- V: PREPARATION FABRIC FOR CUTTING 12Hrs

Definition, types of grain, importance of grain, # Selection of fabrics for different Garment Styles # - Steps in preparing Fabric for Cutting, Layout and its types, layouts of special fabric.

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

TEXT BOOKS:

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

T.B-2 Zarapkar, System of Cutting, Navneet Publications, India, 2007.

T.B-3 Gupta et al, Text Book of Clothing and Textiles and Laundry, 4th Edition, Kalyan Publishers, New Delhi, 2006.

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

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

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

Unit IV Chapter III & IV **T.B-1**

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

Books for References:

1. Cooklin, Pattern Grading for Women's Clothes, Blackwell Publication, Noida, 2004.

2. Cooklin, Pattern Cutting for Women's Outer Wear, Blackwell Publication, U.S.A, 2005.

SEMESTER II: ENVIRONMENTAL STUDIES

ENVIRONMENTAL STUDIES

Subject Code :	17UCN2ES	Max Marks :	100
Hours/ Week :	2	Internal Marks :	-
Credit :	2	External Marks :	100

SEMESTER III: CORE V

GARMENT MANUFACTURING TECHNOLOGY

Subject Code :	17UFT3C5	Max. Marks :	100
Hours/Week :	4	Internal Marks :	25
Credit :	4	External Marks :	75

Objectives:

- To gain knowledge about spreading, marking and cutting techniques.
- To study about the sewing machineries, stitching mechanisms.
- To learn the classification of sewing machines, parts and its functions.

UNIT-I: INTRODUCTION 12 Hrs

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 12 Hrs

Spreading – Definition, Function, Types - Hand and Machine Spreading. Marking – Methods of marking, Efficiency of Marker Plan, # Requirements of Marker Planning #. Cutting Technology - Definition, Function , Equipments – Straight Knife, Band Knife, Round Knife, Die cutters, Notches, Drills and Thread Marker, Computer Controlled Cutting Machine.

UNIT-III: SEWING MACHINERIES 12 Hrs

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 12 Hrs

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 12 Hrs

Fusing – Definition, Advantages of using interlinings, Requirements of fusing, Means of fusing, Fusing equipment, # Methods of fusing #. Finishing Room – Equipment – Form finishers, steam press, steam tunnel, Dolly press, heat chamber – process involved – under pressing – Top pressing – Packing.

#.....# **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.

UNIT I	Chapter II	T.B –1
UNIT II	Chapter II	T.B – 1
UNIT III	Chapter II	T.B – 1
UNIT IV	Chapter II	T.B – 2
UNIT V	Chapter VI	T.B – 1

Books for Reference:

1. Betsy Hosegood , The Complete Book of Sewing, , Dorling Kindersley Limited, London, 2006.

SEMESTER III: CORE VI

FASHION CLOTHING PSYCHOLOGY

Subject Code :	17UFT3C6	Max. Marks :	100
Hours/Week :	3	Internal Marks :	25
Credit :	2	External Marks :	75

Objectives:

- To gain knowledge about fashion terms, fashion psychology, fashion designer and fashion centres.
- To learn trickle down, trickle up and textile across theory.
- To understand the fashion leaders, fashion innovators, fashion motivation, fashion victim and fashion followers.

UNIT-I: FASHION TERMS

9 Hrs

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 Hrs

#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, Role of Costumes as a Status Symbol, Fashion cycle.

UNIT-III: FASHION CHANGES AND CONSUMER ACCEPTANCE

9 Hrs

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 Hrs

Understanding fashion designers-classicists, Idealist, Influenced,Realist,Thinking Poet. Indian Designers-RituBeri, RohitKhosla, Gitanjal Ksshyap, Hemant Trivedi, J.J. Valaya, Ritu Kumar, RohitBal, TarunTahiliani, Sangeethe Chopra, Bhamini Subramaniam, # AnjuModi, Ravi Bajaj #, Vendal Rodricks.

UNIT-V: WORLD WIDE FASHION CENTERS

9 Hrs

World fashion Centres- France, USA, Italy # England, Germany # New York and Far East Countries.

#.....# **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, 1st 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.

T.B-6 Pundir, Fashion Technology Today and Tomorrow, A Mittal Publication, New Delhi, 2007.

T.B-7 M.R.Soloman & N.J. Rabolt, Consumer Behaviour in Fashion, Dorling Kindersley Publishing Inc, India, 2006.

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**

SEMESTER III: ALLIED V
PATTERN MAKING AND GARMENT CONSTRUCTION FOR
CHILDREN'S WEAR - PRACTICAL

Subject Code :	17UFT3A5P	Max Marks :	100
Hours/Week :	4	Internal Marks :	20
Credit :	3	External Marks :	80

Objectives:

- To create different types of patterns for children.
- To suggest suitable fabrics, colours and designs for all patterns.
- To learn the drafting procedures for children's wear.

Instructions:

- List the Measurements
- Materials Required
- Suggest Suitable Fabrics, Colors and Designs
- Prepare and Economical Layout
- Calculate the fabric and garment cost

Design and construct the following Garments

- | | |
|---|-------------|
| 1. Baby Bed/Laytee. | 8Hrs |
| 2. Infant wears- Bib, Panty and Jabla. | 8Hrs |
| 3. Baba suit / Romper. | 8Hrs |
| 4. Summer Frock-with Suspenders at Shoulder Line, Without Sleeve. | 9Hrs |
| 5. Yoke frock- yoke at Neck Line, Puff Sleeve, Gathered Skirt /Pleated skirt. | 9Hrs |
| 6. Slack Shirt-Open Collar, Pocket & Without Yoke. | 9Hrs |
| 7. Knickers - Elastic Waist. | 9Hrs |

SEMESTER III: ALLIED VI

SURFACE EMBELLISHMENT – PRACTICAL

Subject Code :	17UFT3A6P	Max Marks	:	100
Hours/Week :	3	Internal Marks	:	20
Credit :	2	External Marks	:	80

Objectives:

- To understand the different types of embroidery stitches.
- To acquire practical knowledge in advance and surface embroidery.

I. Hand Embroidery 20 Hrs

1. Running
2. Hemming
3. Back Stitch
4. Chain stitch
5. Fern Stitch
6. Stem Stitch
7. Lazy Daisy Stitch
8. Blanket (or) Button Hole Stitch
9. Satin
10. French Knot
11. Bullion Knot
12. Feather
13. Herring Bone
14. Product Preparation –Cushion Cover, Hand Kerchief, Table Cloth

II. Machine Embroidery 7 Hrs

1. Running
2. Satin
3. Carding

III. Other Surface Embroidery

18 Hrs

1. Cut work
2. Mirror work
3. Applique
4. Tasseled – Corded Tassled
5. Fringes
6. Patch
7. Zordosi
8. Smocking
9. Quilting
10. Stones
11. Stones
12. Lace
13. Beaded
14. Product Preparation –Pillow Cover

SEMESTER III: NON MAJOR ELECTIVE I

HAND EMBROIDERY - PRACTICAL

Subject Code :	17UFT3N1P	Max Marks :	100
Hours/ Week :	2	Internal Marks :	-
Credit :	2	External Marks :	100

Objectives:

- To understand the different types of embroidery stitches.
- To acquire practical knowledge in advance and surface embroidery.

1. BASIC HAND STITCHES **7 Hrs**

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

2. BASIC EMBROIDERY STITCHES **7 Hrs**

- 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 Hrs**

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

4. OTHER SURFACE EMBROIDERY **8 Hrs**

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

SEMESTER III: SKILL BASED ELECTIVE I

SOFT SKILLS DEVELOPMENT

Subject Code	:	17UCN3S1	Max Marks	:	100
Hours/Week	:	2	Internal Marks	:	-
Credit	:	2	External Marks	:	100

SEMESTER IV: CORE VII

FASHION DRAPING – PRACTICAL

Subject Code :	17UFT4C7P	Max. Marks :	100
Hours/Week :	5	Internal Marks :	20
Credits :	5	External Marks :	80

Objectives:

- To be more creative in design to develop the draping skill of the students.
- To know the basic of draping
- To develop pattern by using draping.

I. INTRODUCTION TO DRAPING

1. Introduction to Draping Technique **4Hrs**
2. Tools& Equipments needed for Draping **5Hrs**
3. Blocks **5Hrs**

II. BASIC DRAPING

4. Basic Bodice for Women **7Hrs**
5. Basic Bodice for Men **7Hrs**

III. MANIPULATING TECHNIQUE

6. Dart Manipulating **10Hrs**
7. Princess Shapers **7Hrs**

IV. BASIC DRAPING OF BODICE PARTS

8. Basic Necklines **7Hrs**
9. Basic Collars **7Hrs**
10. Basic Sleeves **8Hrs**
11. Basic Skirt **8Hrs**

SEMESTER IV: CORE VIII

FABRIC STRUCTURE AND DESIGN

Subject Code :	17UFT4C8	Max Marks :	100
Hours/Week :	3	Internal Marks :	25
Credit :	2	External Marks :	75

Objectives:

- To know to identify the different types of fabrics.
- To enable students to prepare point paper designs for basic and figured weaves.

UNIT-I: WOVEN DESIGN FUNDAMENTALS

9Hrs

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

UNIT- II: WEAVE DERIVATION

9Hrs

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

UNIT-III: FIGURED FABRICS

9Hrs

Extra warp and extra weft figuring – single and two colours, Difference between extra warp and extra weft figuring. # End uses of the above weaves#.

UNIT-IV: PILE FABRICS

9Hrs

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

9Hrs

Double Cloth- Classification of Double Cloths, Self Thread Stitching – Stitching from Face to back, Back to Face and Combination. #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.

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

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.

SEMESTER IV: ALLIED VII
PATTERN MAKING AND GARMENT CONSTRUCTION FOR
WOMEN'S WEAR - PRACTICAL

Subject Code :	17UFT4A7P	Max Marks :	100
Hours/Week :	5	Internal Marks :	20
Credits :	3	External Marks :	80

Objectives:

- To create different types of patterns for women's.
- To suggest suitable fabrics, colours and designs for all patterns.
- To learn the drafting procedures for women's wear.

Instructions:

- List the Measurements
- Materials Required
- Suggest Suitable Fabrics, Colors and Designs
- Prepare and Economical Layout
- Calculate the fabric and garment cost

Design and construct the following Garments

1. Saree Petticoat- Six Panel, Decorative Bottom. **8Hrs**
2. Blouse- Front/Back Open, Fashioned Neck, Waist Band at Front, With Sleeve. **8Hrs**
3. Middi-Circular/Gathered/Pleated. With Waist Band. **8Hrs**
4. Middi-Top-Kimono/ Raglan Sleeve, Gathers/ Belt at Waist. **8Hrs**
5. Salwar / Churidhar/ Palazoo Pant. **8Hrs**
6. Kameez With/ Without Slit, With /Without Flare, With/Without Opening, With/ With Out Panels, With/ Without Sleeve. **8Hrs**
7. Nightie / Maxi With / Without Fullness, With/Without Opening, With/Without Yokes, With/Without Puff Sleeve. **9Hrs**
8. Night Pant & Top/ With Sleeves, With/Without Fly. **9Hrs**
9. Fashionable Wear. **9Hrs**

SEMESTER IV: ALLIEDVIII

KNITTING

Subject Code :	17UFT4A8	Max. Marks :	100
Hours/Week :	3	Internal Marks :	25
Credits :	2	External Marks :	75

Objectives:

- To study about elements of knitting and principles of knitting technology.
- To know the characteristics of knitted goods and its applications in industries.
- To gain knowledge on computerized knitting machine.

UNIT-I: INTRODUCTION

9Hrs

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

UNIT-II: KNITTING TERMS AND ELEMENTS

9Hrs

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.

UNIT – III: MACHINE DESCRIPTION

9Hrs

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.

UNIT-IV: WEFT KNITTING

9Hrs

#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.

UNIT-V: WARP KNITTING

9Hrs

#Classification# – Passage of yarn through warp knitting machine. Basic structure and properties warp knit structures – tricot, raschel, simplex fabrics. Differentiate tricot and Raschel knitting machine.

#.....# 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. Terry Brackenbury, Knitted Clothing Technology, Blackwell Science Publications.
2. Samuel Raz, Flat Knitting Technology, Germany.
3. Smirfitt, An Introduction to Weft Knitting, Merrow Publications.
4. Cegiela L, The Knitting Industry: Present needs, Future Requirements, Vol 19, No.1, The Textile Institute 1988.

SEMESTER IV: NON MAJOR ELECTIVE II

PAINTING TECHNIQUES - PRACTICAL

Subject Cod	:	17UFT4N2P	Max Marks	:	100
Hours/Week	:	2	Internal Marks	:	-
Credit	:	2	External Marks	:	100

Objectives:

- To enable the students to create a painting design.
- To learn how to use different sources in painting.
- To choose the different color combinations in painting.

DRAW A DESIGN AND APPLY THE SUITABLE COLOURS

1. Fabric Painting	5 Hrs
2. Chart Painting	5 Hrs
3. Pot Painting	5 Hrs
4. Stencil Painting	5 Hrs
5. Sand Painting	5 Hrs
6. Glass Painting	5 Hrs

SEMESTER IV: EXTENSION ACTIVITIES

NCC, NSS, ETC

Subject Code :	17UCN4EA	Max Marks	:	-
Hours/Week :	-	Internal Marks	:	-
Credit :	1	External Marks	:	-

SEMESTER V: CORE IX

INTERNSHIP

Subject Code :	17UFT5C9I	Max Marks :	100
Hours/Week :	6	Internal Marks :	-
Credit :	5	External Marks :	100

Objectives:

- To get exposure in textile industries.
- To observe the production processes for various styles.
- To gain knowledge in management opportunities of apparel industries.

Instructions:

- Visit may be to Textile Processing/ Weaving/ Spinning/ Knitting/ Garment Production Unit.
- 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 during Last week of June.
- Report will be Evaluated by-Tutor of the Class.

SEMESTER V: CORE X

WET PROCESSING

Subject Code :	17UFT5C10	Max Marks :	100
Hours/Week :	5	Internal Marks :	25
Credit :	5	External Marks :	75

Objectives:

- To gain knowledge on basic processing of textiles.
- To enable students on eco – friendly processing in textiles.
- To develop skills in dyeing of fabrics.

UNIT-I: TEXTILE PREPARATORY PROCESS 15 Hrs

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

UNIT-II: DYES 15 Hrs

Definition – dyeing and dyes, classification of dyes-Natural Dyes, Synthetic Dyes, mordants and its types, mordanting techniques. Methods of Dyeing - Yarn – hank and package dyes, 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 15 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 15 Hrs

Finishing - Definition, objectives, importance, classifications #. Functional finishes - Calendering, tentering, stiffening, grabbing, decanting, beetling, glazing, schreineriz napping, giggering, shearing. Special finishes - water repellent, antimicrobial, Flame retardant. Denim finishing.

UNIT-V: ECO FRIENDLY PROCESSING 15 Hrs

Problems faced by textile wet processing #. Enzymes – meaning, enzymes used in textile industry. Enzymatic desizing, enzymatic scouring, . enzymatic 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 Kadolph .S.J, Textiles, Tenth Edition, Dorling Kindersley (India) Pvt. Ltd., 2006.

T.B -4 Corbman.B.P, Textile fiber to fabric, 3rd 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.

SEMESTER V: CORE XI

WET PROCESSING - PRACTICAL

Subject Code :	17UFT5C11P	Max Marks :	100
Hours/Week :	5	Internal Marks :	20
Credit :	5	External Marks :	80

Objectives:

- To gain practical knowledge regarding pretreatments of fabric before dyeing.
- To ensure the students to identify the suitability of dyes for different fabrics.
- To study the dyeing mechanism.

I. Preparing the Fabrics before Dyeing

1. Desizing **5Hrs**
2. Scouring **5Hrs**
3. Bleaching **5Hrs**
4. Degumming of silk **5Hrs**

II. Dyeing for Cotton, Polyester, Silk, Wool

5. Reactive Dye – Hot Brand and Cold Brand **5Hrs**
6. Acid Dye **5 Hrs**
7. Basic Dye **5Hrs**
8. Disperse Dye **5Hrs**
9. Direct Dye **5Hrs**

III. Printing in different methods

10. Block printing **4Hrs**
11. Stencil printing **5Hrs**
12. Screen printing **5Hrs**
13. Tie & die printing **5Hrs**
14. Batik printing **5 Hrs**

IV. Washing

15. By Hand **3 Hrs**
16. By Machine **3 Hrs**

SEMESTER V: CORE XII

COMPUTER AIDED DESIGNING - PRACTICAL

Subject Code :	17UFT5C12P	Max Marks :	100
Hours/Week :	5	Internal Marks :	20
Credits :	5	External Marks :	80

Objectives:

- To gain knowledge in creating motifs using Computer Aided Designing.
- To illustrate different types of garments using Computer Aided Designing.
- To create fashionable logos and labels using Computer Aided Designing.

CREATE THE FOLLOWING DESIGNS:

1. Motifs/Small Designs for

- Symmetrical and Asymmetrical Designs. **3 Hrs**
- Saree – Pallu and Border. **3 Hrs**
- T-shirt. **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 Colours **4 Hrs**
- Create a Middi& Top based on the Theme Secondary Colours **4 Hrs**
- Create a Salwar Kameez based on the Theme Cool Colours **4 Hrs**

- Create a House Coat based on the Theme Neutral Colours **4 Hrs**
 - Create a Nighty based on The Theme Warm Colours **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 Trtan Checks / Plaids / Argyle **4 Hrs**
- 6. Create Logo for a Branded Company. **3 Hrs****
- 7. Create a Care Label for Garments. **2 Hrs****

SEMESTER V: MAJOR BASED ELECTIVE I

GARMENT QUALITY AND COST CONTROL

Subject Code :	17UFT5M1	Max Marks :	100
Hours/Week :	5	Internal Marks :	25
Credit :	4	External Marks :	75

Objectives:

- To learn the terms of quality in textile industries.
- To know the uses of quality control and its specification of apparel industries.
- To gain knowledge in merchandising and quality standards.
- To know the basic process Grids for production control.

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 a 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.

SEMESTER V: MAJOR BASED ELECTIVE I

SOFT FURNISHING

Subject Code :	17UFT5M1	Max Marks :	100
Hours/Week :	5	Internal Marks :	25
Credit :	4	External Marks :	75

Objective:

- To know the indoor designing
- To understand the different colors and room designing
- To design the furnishings for room structure

UNIT-I: FLOOR COVERING

15 Hrs

Carpets, Choosing Carpets, fiber used, carpet manufacturing, woven carpets, non-woven carpets, size of carpet, choice of carpets, carpet laying. Protection of carpets, cleaning of carpets, # advantages and disadvantages of carpets #, finishes mats and matting, cleaning of mats.

UNIT-II: LIVING ROOM FURNISHING

15 Hrs

Introduction, choosing color, pattern and texture for interiors, sofa types. Sofa covers, wall hangings, cushion and cushion covers upholstery materials. Bolster and bolster covers. # Care and maintenance #.

UNIT-III: WINDOW AND WINDOW TREATMENTS

15 Hrs

Introduction, parts of windows, types of windows, curtains and draperies. Definition, types, pelmets, valances and swags, net curtains, blind loose covers, curtain fixtures, # care and cleaning of curtains #, points to remember in connection with curtains.

UNIT-IV: BED LINENS

15 Hrs

Introduction, construction of beds, cots, bed boards, other beds, cares and cleaning of beds, bedding, types of mattresses and mattress covers. Types of bed lines – blankets, pillow, eiderdowns, quilts and comforters, # care and cleaning of bed spreads #.

UNIT-V: KITCHEN AND TABLE LINENS

15 Hrs

Kitchen Linens: Introduction, types of kitchen linens – hand towels, dish cloth, kitchen apron, Mixi covers, grinder covers, food processor cover, fridge cover, tea cozy cover.

Table Linens: Introduction, types of table linens, table cloth, table mats, table napkin, doilies runners, protective pads, silence cloth, # towels selection of table linens #.

#.....# **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**

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

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

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

Books for References:

1. Hotel, Hostel and House Keeping – Fifth Edition by John.C.Branson, Margaretennox, Published by ELS & Imprint, Hodder & Stoughton.
2. Interior Decoration in India by DensorkaryK.S.D.B.Taraparevals Sons & Co. Pvt.Ltd., 1973.
3. The use of color in Interior, Hole.A.D., Mc.Graw Hill Book Company, Newark. 11968.
4. Soft Furnishing.

SEMESTER V: SKILL BASED ELECTIVE II

COSMETOLOGY

Subject Code	:	17UFT5S2	Max Marks	:	100
Hours/Week	:	2	Internal Marks	:	-
Credit	:	2	External Marks	:	100

Objectives:

- To know the skin types of our skin.
- To know the hair maintenance.
- To know the basic make up.
- To know the maintenance of hands and legs.
- To know the value health drinks.

UNIT-I: SKINCARE

6 Hrs

Introduction to Skin care, # Structure of the Skin # - basic Skin types, diet plan for skin, uses of sunscreen, moisturizers. Skin diseases and its types. Face Mask – Mask guidelines, Carrot mask, Avocado mask, Simple oatmeal mask, Tomato mask, Wheat germ mask, aloe Vera mask, Egg mask.

UNIT-II: BEAUTY ACCESSORIES AND FACE MAKEUP

6 Hrs

Make up Accessories: Foundations and blushers, Eye cosmetics- Application of Eye Liner, Lengthening Lashes, cosmetics for lips- Lipstick and Shaping Lips. Special cosmetics, preparing face for make up. # Fundamentals of perfect makeup #, application of make up.

UNIT-III: MANICURE AND PEDICURE

6 Hrs

Manicure Techniques, Daily routine for naturally beautiful nails, Nourishing hand treatment, Hand Lotion and creams. # Pedicure Procedure #, Foot bath – Role of sensible Footwear – Soothing Foot massage, Foot tips.

UNIT-IV: HAIR CARE

6 Hrs

Typology and colour of hair, Hair Care Programme – Scalp massage, Rubber Scalp massage, Finger massage, Oiling, Application Recipe, # Common Hair problems and Remedies # hair colorants, Hair Nutrition.

UNIT-V:BEAUTY AND HEALTH CARE

6 Hrs

Beauty Sleep – Catch your Sleep, # Strain and Drink # Eat your way to health and beauty, food combinations. Vitality Drinks – Mixed Fruit Juice, Tangy Tomato Juice, Ice Melon, Banana Milk, Health Booster Juice, Pineapple Drink, Combination Drink, Coconut Juice, Citrus Melon Juice, Fruit Drink.

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

TEXT BOOKS:

T.B-1 Dr. Neena Khanna, Body and Beauty Care, Pustak Mahal, Delhi, 2006.

T.B-2 Aroona Reejhsinghani, Be your own beautician, B. Jain Publishers (P) Ltd., India, 2007.

T.B-3 Arlene Mathew, The Complete Beauty book, Vasani Publications, 2012.

Unit I Chapter IV **T.B-3,2**

Unit II Chapter VI **T.B-3,2**

Unit III Chapter IX & X **T.B-3**

Unit IV Chapter VI **T.B-3**

Unit V Chapter XVI & XVII **T.B-3,2**

Books for References:

1. Frost, P and Horwitz, S.N, "Principles of Cosmetics for the Dermatologist", Mosby CV; St. Louis; 1982.

2. Tremblay, S, "The Professional Skin Care Manual", Prentice Hall, New Jersey; 1978.

3. Vwien, B, "The Complete Beauty Workshop", Cavendish Books Limited, London, 1984.

4. Julia, M Busch, "Facelift Naturally", Orient Paperbacks, 2006.

SEMESTER V: SKILL BASED ELECTIVE II

HOME SCIENCE

Subject Code :	17UFT5S2	Max Marks :	100
Hours/Week :	2	Internal Marks :	-
Credit :	2	External Marks :	100

Objectives:

- To study the basic concept of home science.
- To learn the importance of nutrition and its processing.
- To make the students to understand the process of home management.
- To gain knowledge about stages in life span.

UNIT-I: CONCEPT OF HOME SCIENCE

6 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

6 Hrs

Functions of food, food groups, food preparation - # Dry heat methods # and wet heat methods. Food analysis – cereals, pulses, nuts and oil seeds, milk and milk products, eggs, flesh foods, vegetables and fruits, sugar and related products, spices.

UNIT-III: NUTRITIONAL SCIENCE

6 Hrs

Fundamentals of nutrition. Nutritional Biochemistry – proteins, Carbohydrates, lipids, vitamins and minerals. Food preservation – Bactericidal methods and bacteriostatic methods. # Purchasing and storing of foods #.

UNIT-IV: HOME MANAGEMENT

6 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

6 Hrs

Principles of development, # stages of growth from neonatal to old age and its characteristics#. 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.**

SEMESTER V: SKILL BASED ELECTIVE III

TEXTILE SCIENCE

Subject Code :	17UFT5S3	Max Marks :	100
Hours/Week :	2	Internal Marks :	-
Credit :	2	External Marks :	100

Objectives:

- To gain the basic knowledge of textiles.
- To learn the properties and manufacturing of different fibers.
- To enable the students to know about basic manufacturing fabrics.

UNIT-I: FIBERS CLASSIFICATION

6 Hrs

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

UNIT-II: FIBER MANUFACTURING PROCESS

6 Hrs

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

UNIT-III: SPINNING TECHNOLOGY

6 Hrs

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

UNIT-IV: WET PROCESSING

6 Hrs

Preparatory Process – Singeing, Desizing, Scouring and Bleaching. Dyeing – Classification of Dyes – Natural Dyes - Vegetable Dyes, Animal Dyes and Mineral Dyes – Synthetic Dyes - Reactive Dyes, Acid Dyes and # Disperse Dyes #.

UNIT-V: FINISHING

6 Hrs

Needs of Finishing – Kinds of Finishing - Classification of Finishing – Mechanical Finishes and Chemical Finishes - Special Finishes – Biological Control Finishes – Insect, Moth and Mildew, # Antimicrobial #, Microencapsulation.

#.....# **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.

Unit I	Chapter 1	T.B-1	Chapter A-1	T.B-2
Unit II	Chapter 13, 16, 18, 22	T.B-1	Chapter A-2	T.B-2
Unit III	Chapter 2	T.B-1		
Unit IV	Chapter C-2, D-1	T.B-2		
Unit V	Chapter C-2	T.B-2		

Books for Reference:

1. J. GORDON COOK, “hand book of textile fibers” VOL-Ii Manmade Fibers, Wood Head Publishing.

SEMESTER V: SKILL BASED ELECTIVE III

TEXTILE DYEING

Subject Code :	17UFT5S3	Max Marks :	100
Hours/Week :	2	Internal Marks :	-
Credit :	2	External Marks :	100

Objectives:

- To gain knowledge on basic processing of textiles.
- To enable students on eco – friendly processing in textiles.
- To develop skills in dyeing of fabrics.

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: Lustre-glazed, moiré, schreiner, embossed, drape-crisp and transparent, sizing, weighting, Texture-sheared, brushed, # embossed, pleated #, flocked, embroidered, napped, fullled. 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, 5th 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.

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

Books for References:

- 1.Textile Processing-J.L. Smith, Abhishek Publication, Chandigarh (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).

SEMESTER V: EXTRA CREDIT COURSE I

VISUAL MERCHANDISING

Subject Code :	17UFT5EC1	Max Marks :	100*
Hours/Week :	-	Internal Marks :	-
Credit :	4*	External Marks :	100*

Objectives:

- To know the role of visual merchandising in retail shops.
- To know about store planning, circulation plan and presentation of products.
- To know the quality and process in visual merchandising.
- To encourage the students to become an entrepreneur.

UNIT –I: INTRODUCTION TO VISUAL MERCHANDISING

Visual Merchandising - Definition and Function, History of visual merchandising, Role of visual merchandising, Understanding retail in India.

UNIT –II: STORE PLANNING AND FIXTURES

Store planning and fixtures - Floor plan, Display Basics - Purpose of Display - Color and Texture - Line and Composition - Light and Lightings - Type of Display and Display settings ,The purpose of planning fixtures, types of fixtures.

UNIT –III: CIRCULATION PLAN

Circulation plan - Rules of circulation, Types of Circulation plans - Free flow, Grid, Race track, Herringbone and spin.

UNIT –IV: MERCHANDISE PRESENTATION

Merchandise presentation - meaning, principles of merchandise presentation, categories in merchandise presentation, Dominance factor in merchandise presentation, elementary of display - Store Exteriors and Interiors.

UNIT –V: WINDOW DISPLAY

Promotional Display Vs Institutional Display, Types of Mannequins, Lighting, Visual Merchandising Tool Kit, Quality and process in Visual Merchandising.

TEXT BOOK:

T.B-1Bhallo.S, Anuraya.S, Visual Merchandising, Tata MC Graw Hill Education Private Limited, New Delhi, 2010.

Unit I	Chapter -II	T.B-1
Unit II	Chapter -VII	T.B-1
Unit III	Chapter -VIII	T.B-1
Unit IV	Chapter -X, IV	T.B-1
Unit V	Chapter -XI, XII	T.B-1

Books for References:

1. Rajesh, Managing Productivity in Apparel Industry.
2. Banotia.V, Marketing Management, Mangal Deep Publications, 2001.
3. Jones.R.M, The Apparel Industry.

SEMESTER VI: CORE XIII

**PATTERN MAKING AND GARMENT CONSTRUCTION FOR
MEN'S WEAR – PRACTICAL**

Subject Code :	17UFT6CI3P	Max Marks :	100
Hours/Week :	5	Internal Marks :	20
Credit :	5	External Marks :	80

Objectives:

- To create different types of patterns for men's.
- To suggest suitable fabrics, colours and designs for all patterns.
- To learn the drafting procedures for men's wear.

Instructions:

- List the Measurements
- Materials Required
- Suggest Suitable Fabrics, Colors and Designs
- Prepare and Economical Layout
- Calculate the fabric and garment cost

Design and construct the following Garments

1. S.B Vest-With/Without Collar, Button attached, Sleeveless. **10 Hrs**
2. T-Shirt-Front Half Open, Zip Attached, With Collar. **10 Hrs**
3. Slack Shirt-with Collar, Half Sleeve, Patch Pocket. **11 Hrs**
4. Kalidhar Kurta -Kali Piece, Side Pocket, Round Neck, Half Open. **11 Hrs**
5. Nehru Kurta-Half Open, Stand Collar, With/Without Pocket, Full Sleeve. **11 Hrs**
6. Pyjama/Bermudas-Elastic/Tape attached Waist, With/Without Fly. **11Hrs**
7. Narrow Bottom/ Pleated **11Hrs**

SEMESTER VI: CORE XIV

TEXTILE TESTING

Subject Code :	17UFT6C14	Max Marks	:	100
Hours/Week :	5	Internal Marks	:	25
Credit :	5	External Marks	:	75

Objectives:

- To understand the methods and techniques used to analyze textile fibers, yarns and fabrics.
- To acquire knowledge in various properties of textile and related to endure fabric performance and products.

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

T.B-3Groover, 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.

SEMESTER VI: CORE XV

TEXTILE TESTING - PRACTICAL

Subject Code :	17UFT6C15P	Max Marks :	100
Hours/Week :	5	Internal Marks :	20
Credit :	5	External Marks :	80

Objectives:

- To study about the physical testing of textiles.
- To know the testing methods for colored fabrics.

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 |

IV. COLOR FASTNESS TEST

- | | |
|---|--------------|
| 15. To determine the rubbing fastness of a dyed fabric using Crock Meter. | 4 Hrs |
| 16. To determine the colorfastness to sunlight using Grey Scale. | 4 Hrs |

SEMESTER VI: CORE XVI

FASHION PORTFOLIO PRESENTATION – PRACTICAL

Subject Code :	17UFT6C16P	Max Marks :	100
Hours/Week :	5	Internal Marks :	20
Credit :	5	External Mark :	80

Objectives:

- To prepare the theme based garments.
- To motivate and create recent trends in fashion garments.

1. Trend Forecasts	4 Hrs
2. Theme Write Up	4 Hrs
3. Mood Board	4 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	5 Hrs
10. Specification Sheet	5 Hrs
11. Pattern Making	5 Hrs
12. Garment Construction	6 Hrs
13. Final Presentation	5 Hrs
14. Prepare the Garments (2-4 Garments)	4 Hrs

SEMESTER VI: MAJOR BASED ELECTIVE II

GLOBALISATION AND EXPORT DOCUMENTATION

Subject Code :	17UFT6M2	Max Marks :	100
Hours/Week :	5	Internal Marks :	25
Credit :	4	External Marks :	75

Objective:

- To know the importance of export and import procedures.
- To gain the knowledge in export documents and trade.

UNIT-I:TRADE AND GLOBAL MARKET 15 Hrs

Definition-Trade, import, export, importer, exporter. Features and importance of trade. Global market and its features. #Trade in textile and apparel industry #

UNIT-II: DOMESTIC AND INTERNATIONAL TRADE 15 Hrs

Domestic trade-features and its advantages-international trade-functions and its need.
Difference between internal and international trade. #Competitiveness-competitive position of india exports-US market, European union market.

UNIT-III:STUDY OF PERCEPTIONS 15 Hrs

Trade transportation-Shipment-Procedures and its features. Ware house-Meaning and its functions in trade. # SWOT analysis-Strength, weakness, opportunity and threats #

UNIT-IV:EXPORT DOCUMENTS AND CREDITS 15 Hrs

Commercial documents-regulatory documents # Letter of credit #Export credits-long term, medium and short term. Packaging credit.

UNIT-V:FOREIGN EXCHANGE MARKET 15 Hrs

Foreign exchange-meaning and functions. Cost difference and global currency. Role of terms and payments in international trade. # Role of RBI in foreign exchange#

TEXT BOOKS:

T.B-1Pradeep Joshi, Apparel and Textile Exports, CBS Publishers and Distributors, New Delhi, 2006.

T.B-2Jhonson, T.E., Bode.D.L, Export Import Procedures, AMACOM Div American Mgmt Publishers, 2010.

T.B-3 Jeevanandam.C, Foreign Trade, 1st Edition, Sultan Chand and Sons, New Delhi, 2005.

T.B-4 Joshi.P, Apparel and Textile Exports, CBS Publishers, New Delhi, 2006.

T.B-5 Export Documentation – Study Material prepared by the Department.

Unit I Chapter I **T.B-1 and 3**

Unit II Chapter III **T.B-1 and 5**

Unit III Chapter IV **T.B-1 and 3**

Unit IV Chapter IV **T.B-2 and 5**

Unit V Chapter VII **T.B-1 and 5**

Books for Reference:

1.Seyoum.B., Export – Import theory, Practices and Procedures, Taylor and Francis Publishing , 2009.

SEMESTER VI: MAJOR BASED ELECTIVE II

INTERIOR DECORATION

Subject Code :	17UFT6M2	Max Marks :	100
Hours/Week :	5	Internal Marks :	25
Credit :	4	External Marks :	75

Objective:

- To know the importance of export and import procedures.
- To gain the knowledge in export documents and trade.

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**

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

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

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

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.

SEMESTER VI: MAJOR BASED ELECTIVE III

TRADITIONAL INDIAN COSTUMES AND EMBROIDERY

Subject Code :	17UFT6M3	Max Marks :	100
Hours/Week :	4	Internal Marks :	25
Credit :	4	External Marks :	75

Objectives:

- To learn the traditional costumes and Embroidery in India.
- To know the woven textile and dyed textile.
- To learn the traditional embroidery of India.

UNIT-I: INTRODUCTION TO INDIAN COSTUMES 12 Hrs

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 Hrs

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. Tamil Nadu #.

UNIT-III: EMBROIDERIES OF INDIA 12 Hrs

Kasida of Kashmir, Kanthas of Bengal, Chambarummal of Himachal Pradesh, # Chickenkari of Uttar Pradesh #, Pulkhari of Punjab, Kasuthi of Karnataka, Kutch or Sindhi of Gujarat, Shamilami of Manipuri Embroidery.

UNIT-IV: TRADITIONAL WOVEN TEXTILES 12Hrs

Introduction to woven textiles of India – Uttar Pradesh- Banaras, Tancoi, # Gujarat- Patola, Bengal- Baluchari and Jamdani #, Maharashtra- PaithaniPithambar, MathyaPreadesh- Chanderi and Maheswari Saree, Tamilnadu- Kanchipuram, Andhrapradesh- Pochampali. Kashmir-Shawl.

UNIT-V: TRADITIONAL PRINTED AND DYED TEXTILES 12 Hrs

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.

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

Unit II Chapter XIV **T.B-2**

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

Unit IV Chapter XIX **T.B-3**

Unit V Chapter X **T.B-4**

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. Zamila Brij Bhushan, “Indian Embroidery”, Ministry of Information and Broadcasting Publications Division, Government of India, 1990.

SEMESTER VI: MAJOR BASED ELECTIVE III

COSTUMES AND PERSONAL APPEARANCE

Subject Code :	17UFT6M3	Max Marks :	100
Hours/Week :	4	Internal Marks :	25
Credit :	4	External Marks :	75

Objective:

- To know the personal appearance value
- To gain the knowledge about the style and fashion applied in different area
- To understand personal expressions and their moods affecting from costume selection

UNIT-I: PERSONAL APPEARANCE VALUES 12 Hrs

Personal attractiveness and social values, development of ones clothing behavior – # appearance affects one's state of mind #.

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

Its relation to costumes – selection, evidence of opposing characteristics, life goals reflected in personal qualities, # personal characteristics affecting costume selection #, conveying individuality through costume.

UNIT-IV: SELECTING BECOMING CLOTHES 12 Hrs

Clothes to express temperament, clothes to improve irregular figures, contemporary figure ideals, # means of improving figures #.Techniques of creating optical illusion. Individual figure faults.

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.B-1 Study Material prepared by the Department.

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

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

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

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

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

Books for References:

1. The art of Costume and Personal Appearance by Grace Margaret Morton – 2nd Edition, John Wiley and Sons Inc., London.
2. Fabric and Dress – Rath Hone and Tarpley.
3. Clothing Construction and Wardrobe Planning – Keftunin.

SEMESTER VI: GENDER STUDIES

GENDER STUDEIS

Subject Code :	17UCN6GS	Max Marks :	100
Hours/Week :	1	Internal Marks :	-
Credit :	1	External Mark :	100

UNIT-I:

Concepts of Gender: Sex-Gender - Biological Determinism – Patriarchy – Feminism – Gender Discrimination - Gender Division of Labour - Gender Stereotyping - Gender Sensitivity – Gender Equity – Equality - Gender Mainstreaming - Empowerment.

UNIT-II:

Women's Studies Vs Gender Studies: UGC's Guidelines – VII to XI Plans – Gender Studies: Beijing Conference and CEDAW – Exclusiveness and Inclusiveness.

UNIT-III:

Areas of Gender Discrimination: Family – Sex Ratio – Literacy – Health Governance – Religion Work Vs Employment – Market – Media – Politics – Law – Domestic Violence – Sexual Harassment – State Policies and Planning.

UNIT-IV:

Women Development and Gender Empowerment : Initiatives – International Women's Decade – International Women's Year – National Policy for Empowerment of Women – Women Empowerment Year 2001 – Mainstreaming Global Policies.

UNIT-V:

Women's Movements and Safeguarding Mechanism: In India National / State Commission for Women (NCW) – All Women Police Station – Family Court – Domestic Violence Act – Prevention of Sexual Harassment at Work Place Supreme Court Guidelines – Maternity Benefit Act – PNDT Act – Hindu Succession Act 2005 – Eve Teasing Prevention Act – Self Help Groups – 73rd and 74th Amendment for PRIS.

TEXT BOOK:

T.B-1 Gender Studies, (08U612), Jamal Mohamed College (Autonomous), Trichirappalli -20.

SEMESTER VI: EXTRA CREDIT COURSE II

APPAREL MERCHANDISING AND MARKETING

Subject Code :	17UFT6EC2	Max Marks :	100*
Hours/Week :	-	Internal Marks :	-
Credit :	4*	External Marks :	100*

Objectives:

- To gain knowledge about marketing, merchandising, presentation and export marketing.
- To learn about environmental trends.
- To understand the national brands and private labels.

UNIT-I: MARKETING

Marketing Concepts -Definition, Apparel and Fashion. Marketing - Planning, Apparel Market, Environment - Micro and Macro Marketing, Environment trends. # Apparel Market and Segments #.

UNIT-II: MERCHANDISING

Merchandising - Definition, Types of merchandising. Merchandising as Business Function - Role of Merchandiser, Evolution, Merchandising Organization, Buying Preparation, Brand building-Introduction, strategies, image building, brand expansion, global trends # National Brands vs Private Labels #.

UNIT-III: VISUAL MERCHANDISING

Visual Merchandising - Definition, Function, Significance of Display, Types of Displays-Window Displays, Interior Display, Exterior Display, store planning and layout-fixtures, location, # Elements of Display #, lighting, dressing, props and promotions, masking and proscenia, mannequins and three dimensional dressing, Fashion show.

UNIT-IV: MERCHANDISING PRESENTATION AND CUSTOMER RELATIONSHIP

Merchandising Presentation - Principles of Merchandising Presentation, Placement of Merchandise, Categories of Merchandise Presentation, Dominance Factors in Merchandising Presentation, # Cross Merchandising #.Retail merchandiser - trend analysis, forecast analysis. Customer relationship – Introduction, measuring customer relationship.

UNIT-V: EXPORT MARKETING AND DOCUMENTATION

Export Marketing of Apparel, Prospects for Indian in Overseas Market, # Globalization #.

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

TEXT BOOKS :

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

T.B-2Frings, Fashion from Concept to Consumer, Seventh Edition, Dorling Kindersley Publishing Inc, India, 2008.

T.B-3 Davis Burns and Bryant, The Business of Fashion, Fair Child Publications, New York, 2002.

T.B-4Anurag.S. and Bhalla, Visual Merchandising, Tata McGraw Hill Education Private Limited, New Delhi, 2010.

T.B-5 Goworek, Careers in Fashion and Textiles, Blackwell Publishing, NewDelhi, 2006.

T.B-6 Elaine Stone, The Dynamics of Fashion (2001), Fairchild publications, New York.

T.B-7Michanel R. Soloman& Nancy J. Rabolt, Consumer Behaviour in Fashion.

T.B-8Kotler et al, Marketing Management, 13th edition, Dorling Kindersley Publishing Inc, India, 2009.

Unit I Chapter I, III, IV **T.B-1** Chapter II **T.B-6** Chapter I **T.B-8**

Unit II Chapter XII **T.B-1** Chapter XIV **T.B-2** Chapter X **T.B-5** Chapter I & IV **T.B-6**

Unit III Chapter X **T.B-1** Chapter XV **T.B-2** Chapter II, IV, VI, VII, XI, XII **T.B-4**

Unit IV Chapter X **T.B-4**

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

Books for References:

1.George.E.Belch, Michael.B.Belch, "Introduction to Advertising and Promotion", – An Integrated Marketing Communication Perspective, Richard, Irwin, Inc., 1995.

2.Varma and Aggarwal, "Advertising Management", Kingsbood – Educational Publishers, Delhi, 1997.

3.Chuter.A.J, " Introduction to Clothing and Production Management", Om Books Services, New Delhi, 1995.

4. Laura L Bliss, Study Guide Visual Merchandising and Display III edition, Fairchild Publications, 1995

5. Gibson, G. Vedomani, Retail Management, Jaico Publishing House, Bangalore

6.DarlieO’Koshy, " Garment Exports -Winning Strategies", Prentice Hall of India, 1997.