

**MANONMANIAM SUNDARANAR UNIVERSITY**  
**TIRUNELVELI**  
**UG COURSES - AFFILIATED COLLEGES**  
**B.Sc. Fashion Technology**  
**(Choice Based Credit System)**

**(With effect from the academic year 2016-2017 onwards)**

**(45<sup>th</sup> SCAA meeting held on 09.02.2017)**

Sem.	Pt. I /II/III/ IV/V	Sub. No.	Subject status	Subject Title	Hrs./ Week	Cre- dits	Marks				
							Maximum			Passing minimum	
							Int.	Ext.	Tot.	Ext.	Tot.
V	I	29	Core-6	Clothing Care	4	4	25	75	100	30	40
	II	30	Core-7	Fashion and Clothing Psychology	4	4	25	75	100	30	40
	III	31	Core-8	Textile Testing and Quality Control	4	4	25	75	100	30	40
		32	Major Practical- V	Construction of Women's Wear	8	4	50	50	100	20	40
		33	Major Elective -II	Technical Textile	6	5	25	75	100	30	40
	IV	34	Skill Based Subject (Common)	Personality Development / Effective Communication /Youth Leadership	4	4	25	75	100	30	40
Sub total					30	25					

Sem.	Pt. I /II/III/ IV/V	Sub. No.	Subject status	Subject Title	Hrs./ Week	Cre- dits	Marks				
							Maximum			Passing minimum	
							Int.	Ext.	Tot.	Ext.	Tot.
VI	III	35	Core-9	Home Textiles	4	4	25	75	100	30	40
	III	36	Core-10	Quality Control in Apparel Production	4	4	25	75	100	30	40
	III	37	Core-11	Fashion Marketing	4	4	25	75	100	30	40
	III	38	Core-12	Textile Finishing	4	4	25	75	100	30	40
		39	Major Practical-VI	Construction of Men's Wear	8	4	50	50	100	20	40
		40	Major Elective -III	Draping Technology	6	5	25	75	100	30	40
Sub total					30	25					

**MSU/2016-2017/UG-Colleges/Part-III/ (B.Sc. Fashion Technology)**  
**Semester – V // Ppr.no.29/Core -6**

**CLOTHING CARE**

**UNIT – I WATER AND CARE LABELLING:**

Types of Water – Hard and soft water. Hardness of water – Temporary and permanent hardness. Problems caused by hard water. Methods of softening water. Care labeling.

**UNIT – II SOAPS AND DETERGENTS:**

Definition, Manufacture, Properties and their cleansing action, Indigenous cleaning agents like Rita nut, Shikkakai and Bran.

**UNIT – III – LAUNDERING AGENTS USED:**

Stiffening agents – Natural and commercial starches. Bleaching agents, Bluing agents. Optical brighteners. Additional laundering agents – Acidic, Alkaline and Others.

**UNIT – IV PRINCIPLES OF LAUNDERING:**

Stain Removal. Methods of washing – Wet cleaning, Dry cleaning.

Wet Cleaning

1. Application of friction-Hand friction, Rubbing, Scrubbing.
2. Application of light pressure-Kneading, Squeezing.
3. Suction washing.
4. Washing by machine.

Dry Cleaning:

Methods of finishing-Damping, Ironing.

**UNIT- V MATERIAL AND EQUIPMENTS IN LAUNDRY:**

Laundering for different fabrics-Cotton, Wool, Rayon, Preservation and storage. Disinfection of cloths.

**Reference:**

1. Noemia D' Souza, **Fabric Care**, New Age International Publishing House
2. Sushma Gupta, Neeru Garg, Renu Saini, **Text Book of clothing Textile and Laundry**, Kalyan Publishers, Chennai, 1989
3. Susheela Dantiyagi, **Fundamentals of Textile and their care, 5<sup>th</sup> edition**, Orient Longman Ltd., New Delhi.
4. Durga Delukar, **House hold Textiles and Laundry Work**, Atmaram & sons, 1980.

**MSU/2016-2017/UG-Colleges/Part-II/ (B.Sc. Fashion Technology)**

**Semester – V // Ppr.no.30/Core -7**

**FASHION AND CLOTHING PSYCHOLOGY**

**UNIT – I**

Fashion Accessories – Shoes, handbags, jewelry, hats, ties and other. Prepare an album for accessories.

**UNIT – II**

Figure irregularities – stout figure, thin figure, slender figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face and broad face, prominent chin and jaw and prominent forehead.

**UNIT – III**

Factors affecting fashion changes – Psychological needs of fashion, psychology of fashion, Technology, Economical, Political, legal and seasonal.

**UNIT – IV**

Recurring silhouettes – changes in silhouettes; fashion cycle; Prediction fashion; Role of costumers as status symbol, clothes as sex appeal, self identity, cultural value.

**UNIT – V**

Understanding Fashion Designer: Designer types – Classicist, idealist, Influenced, Realist Thinking poet.

**Reference:**

1. Benneett “Femina Book of Fashion”, Coleman & Co., Ltd., Mumbai (1998).
2. Jeaneettee. A. Jarnow, Miriarn Guerrero, “Inside the Fashion Business”, Mecomillion Publishing Company New York 1987.
3. Harriet T. Mcjimesey, “Art and Fashion in clothing selection”, The Iowa state University Press, Ames, Iowa 1973.

**MSU/2016-2017/UG-Colleges/Part-III/ (B.Sc. Fashion Technology)**

**Semester – V // Ppr.no.31/Core - 8**

**TEXTILE TESTING AND QUALITY CONTROL**

**UNIT – I**

Introduction to Textile Testing and Quality Control – Definition, General aspects of Textile testing and quality control, Routine tests performed in Textile Industry. Benefits to testing, International standards for textile and apparel testing.

**UNIT – II**

FIBRE ANALYSIS: Identification of Textile Fibre – Burning, Solvent, Longitudinal and Cross sectional view of Cotton, Wool, Polyester, Nylon, Acrylic fibres. Cotton fibre strength, Fibre fineness and Nep Potential – Trash.

**UNIT – III**

YARN ANALYSIS: Yarn numbering, Yarn strength, Twist testing, Additional test for fibres and Yarn – Microscope, Weight method, Air flow method, Wet strength and elongation of filament yarn, Knot strength, Loop strength for filament yarn, Crimp.

**UNIT – IV**

FABRIC ANALYSIS: Length, width, Bow, Skew ness, Weight, Thickness, Breaking Strength, Abrasion Resistance, Crease Recovery, Stiffness of fabrics and derivability.

**UNIT – V**

Standards and specification in Textile Industry, Quality control aspects, Colour fastness tests in Textiles – Crocking, Perspiration, Sunlight, Laundering.

**Reference:**

1. Booth J.E. **Principles of Textile Testing**, CBS Publishers, 1996.
2. Elliot.B.Grover and Hamby.D.S.**Textile Testing and Quality Control**, Eastern Ltd.
3. Satish K.Bhardwaj and Pradip, V. Metha, **Managing Quality in Apparel Industry**, Newage International Publishers,2000.

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**Semester – V // Ppr.no.32/Major Practical - 5**

**CONSTRUCTION OF WOMEN'S WEAR**

**1. SIX GORE SAREE PETTICOAT**

Feature:

- a) Six panel
- b) Frilled edge

**2. FOUR GORE SAREE PETTICOAT**

Features:

- a) Four Panel
- b) Frilled edge

**3.BLOUSE:**

Features:

- a) Front open
- b) Fashion neck
- c) Waist band
- d) Any sleeve

**4. MIDDI**

Features:

- a) Waist band or elastic
- b) Panel / circular / gathered / pleated

**5. MIDDITOP**

Features:

- a) Back (or) Front open
- b) Collar
- c) Fashioned sleeve .

**6.NIGHT DRESS**

Features:

- a) Front open
- b) With or without collar
- c) Elastic or cord Attached at waist

## 7. NIGHTY

Features:

- a) With yoke / without yoke
- b) With sleeve
- c) With / without open
- d) Attaching trimmings

## 8. KURTA

Features:

- a) Fashioned neck
- b) Fashioned sleeve
- c) Side seam slit.

## 9.SALWAR

Features:

- a) Gathered waist with tape or elastic
- b) Bottom design

## 10. KAMEEZ

Features:

- a) With / without flare
- b) With / without panel
- c) Fashioned neck
- d) Fashioned sleeve

Reference:

- a. Practical Clothing Construction Part-I & II – Mary Mathew
- b. Zarapkar System of Cutting – K.R.Zarapkar
- c. Easy Cutting – Juvekar
- d. Commercial system of cutting- Juvekar
- e. Dress making – smt. Thangam Subramanian

**MSU/2016-2017/UG-Colleges/ (B.Sc. Fashion Technology)**

**Semester – V / Ppr.no.33/Elective – II**

**TECHNICAL TEXTILES**

**UNIT – I**

Technical Textiles – Definition and Scope. Brief study on various categories of Technical Textiles.

**UNIT – II**

Medical Textiles – Classification. Fibers used and their properties required. Medical textile Products – Properties, functions

**UNIT – III**

Geo textiles – Definition, Fibers used in geo textiles – requirement of fibers. Functions of Geo Textiles – Separation, Filtration, Drainage, Reinforcement.

**UNIT – IV**

Textiles for Automotive industry. Suitable fibres for automotive industry. Safety devices – Airbag – Materials used – types of fabric – Seat belts – Types, Fabrics used.

**UNIT – V**

Brief study of Protective textiles – Bullet proof fabrics – fire retarding fabrics – high temperature fabrics – High visibility clothing. Fibres used and Properties of fabrics.

**Reference:**

1. The design of Textiles for Industrial Application – P.W. Harrison
2. Protective Clothing – Bajaj .P. and Sengupta A.K.
3. Textiles: Fiber of fabric – Corbman. B.P.
4. Performance of Protective Clothing – Johnson.J.S. and Mansdork. S.Z.

**MSU/2016-2017/UG-Colleges/ Part-III / (B.Sc. Fashion Technology)**  
**Semester – VI // Ppr.no.35/Core - 9**

**HOME TEXTILES**

**UNIT – I**

INTRODUCTION OF TEXTILE FURNISHING: Definition, Different types of furnishing materials – Woven and Non – Woven. Factors affecting selection of home furnishings. Recent Trends of Home Furnishing.

**UNIT – II**

Floor covering – Hard floor coverings, Resilient floor coverings. Soft floor coverings – Rugs and Carpets, Use and Care. Wall covering – Use and Care.

**UNIT – III**

Doors and Windows – Definition, Different types of Doors and Window, their application Home Decoration – Draperies – Choice of fabrics, calculating the amount of material needed, hints on making curtains hang well, Methods of finishing draperies at the top. Use of drapery rods, hooks, tape rings and pins.

**UNIT – IV**

Living room furnishing – sofa covers, wall hangers, cushion, cushion covers, Upholsteries, Bolster and Bolster covers. Bed Linens – Definition, Different types of bed lines, sheets, blanket covers, comfort covers, bed spreads, mattress and mattress covers and pads, pillows and pillow covers, Use and Care.

**UNIT – V**

Kitchen and Table Linens – Definition, Types of Kitchen linens Dish cloth, Hand towels, Fridge cover, Fridge handles, Mixi cover, Grinder Cover, their Use and Care.

**Reference:**

1. Jay Diamond, Ellen Diamond – Fashion Apparel Accessories and Home Furnishing, Pearson Education, 2007.
2. Premavathy Seetharaman, Praveen pannu – Interior Design and Decoration, CBS Publication, 2007.
3. Durga Delukar, House Hold Textiles and Laundry Work, Atmaram & Sons, 1980.

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**Semester – VI / / Ppr.no.36/Core - 10**  
**QUALITY CONTROL IN APPAREL PRODUCTION**

**UNIT – I**

STATISTICAL QUALITY CONTROL: Quality definition – Quality and its importance – Meaning of Quality control – SQC – Control Charts. Sampling – Importance and types of sampling techniques.

**UNIT – II**

STANDARDS FOR QUALITY: Established Merchandising Standards – Standards for Quality – ISO implementation Procedure – ISO 9000 and ISO 14000 – six sigma

**UNIT – III**

QUALITY SYSTEMS: Total Quality Management – Objective and Phases of TQM, Quality Circle – AQL – Accepted Quality Level.

**UNIT – IV**

PRODUCTION CONTROL: Types of Control forms – Basic Production systems, flow process grids for production – Control Scheduling Calculation – types of Schedule.

**UNIT – V**

QUALITY CONTROL IN APPAREL INDUSTRY: Quality control in designing, pattern making. Warehousing. Quality Control Trims, Fasteners, Sewing thread, Needle and Accessories. Inspection – stages and systems of inspection.

**Reference:**

1. Pradip V. Metha, Introduction to quality control for Apparel Industry ASQC Quality Press, Marcel Dekker, Inc. 1992.
2. Chuter A.J. Introduction to clothing production Management, Blackwell Publishing House, 1995.
3. Pradip V. Metha, Managing Quality in the Apparel industry, Satish K. Bhardwaj, New age International (P) Ltd., Publishers, 2006.
4. Ruth.E. Glock Grece I Kunz, Apparel Manufacturing and Sewn Product Analysis, 2005.

**FASHION MARKETING**

**UNIT – I**

Birth of Fashion – Source of design inspiration – Designer, manufacturers and Retailers role. Fashion influence and theories of adoption – implication for Merchandising – Fashion leaders and followers.

**UNIT – II**

Business of Fashion – Scope of Fashion Business – Forms of business ownership – Business growth and expansion.

**UNIT – III**

Children's/Men's/Women's Apparel industries. Organisation and the operation of the industry. Merchandising and Marketing activities – industry trends.

**UNIT – IV**

Domestic fashion market – Market center. History and development of Fashion retailing – Types of Retailers of Fashion Merchandise. Fashion advertising – Visual Merchandising.

**UNIT – V**

Role of Merchandiser – Types of Merchandising. Export house – Manufacturer – Buying house. Trade fair participation and other methods of sales promotion.

**Reference:**

1. Path for merchandising – a step by step approach – Moore Evelyn.C.
2. Inside the Fashion Business – J. Arnow and K.G. Dickerson.
3. Fashion Merchandising – Laine stone, Jean A Semples.
4. Effective Export marketing of Apparel – Darlie O'Koshy.
5. Textiles and Apparel in the Global Economy – Dickerson K.G

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**Semester – V // Ppr.no.38/Core -12**

**TEXTILE FINISHING**

**UNIT - I**

Introduction to finishing – Definition, Importance, Classification.  
Mechanical Finishing – Sanforising – calendaring – Brushing – Decating – Milling.

**UNIT - II**

Chemical finishing – wash and wear finishing. Anti – crease finish, durable finish, Stiff Finish, Denim Finish, stone wash finish.  
Application of silicones in finishing processes.

**UNIT - III**

Functional finishes –water proof finishes – water repellent finish – flame retardant finish – soil release finish, antimicrobial finish.  
Nano Technology in Textile finishing.

**UNIT - IV**

Eco – friendly processing – Definition and importance. Study of conventional processing with eco – friendly processing. Enzymes – characteristics, Types. Application of enzymes in textile

**UNIT - V**

Effluent plant – effects from various plants –various process for treating waste water.

**Reference:**

1. Shenai V.A. “ Technology of Finishing” Sevek Publications, Mumbai (1996)
2. Manivasaga. N. Treatment of Textile Processing Effluents”, Sakti Publications.
3. Bernard. P. Corbmann” Textile Fibre to Fabric” – McGraw Hill, 1983.

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**Semester – VI // Ppr.no.39/Major Practical -VI**

**CONSTRUCTION OF MEN’S WEAR**

- **Designing, drafting and constructing the following garments for the features prescribed.**
  - **List the measurements required and materials suitable**
  - **Calculate the cost of materials.**
  - **Calculate the material require layout method and direct measurement method.**
1. **SLACK SHIRT** – Collar, patch pocket, Half sleeve.
  2. **T – SHIRTS** - Front half open, Zip attached, Collar.
  3. **FULL SLEEVE SHIRT** – Collar, Patch pockets, Full sleeve with cuff.
  4. **PLEATED TROUSERS** – Pleats in front, Draft at back, Side pockets, Fly with buttons (or) zip, Belt with adjustable strap
  5. **BELL BOTTOM** - Bell bottom, Pleatless, Side Pockets, Fly with Zip/button
  6. **KALIDAR KURTA** – Kali piece, Side pocket, round neck, Half open
  7. **NEHRU KURTA** – Half open, stand collar, With (or) without pockets, Full sleeve
  8. **JEANS** – Tight fitting, Jeans cut, Pockets
  9. **PYJAMA** –Tape (or) Elastic attach waist, Fly
  10. **SINGLE BREAST VEST** - With or without Collar, Sleeveless, Button attached
  11. **SINGLE BREAST COAT** – Coat collar, Coat sleeve, pockets
  12. **HOUSE COAT** – Round neck (or) collar attached, Overlap front, Tape attached

**REFERENCES:**

- Easy Cutting –JUVEKAR.  
Commercial System of Cutting - JUVEKAR.  
Zarapkar System of Cutting – K.R.ZARAPKAR.  
Practical Clothing Construction Part I and II – MARY MATHEW.

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**Semester – VI // Ppr.no.40/Major Elective -III**

**DRAPING TECHNOLOGY**

**UNIT-I;**

Definition of draping tools and equipments – draping principles. Preparation of muslin for draping – Seam allowance – Preparation of Dress form for Draping.

**UNIT II**

Draping of basic Bodice front – Preparation of Muslin – Draping Steps – Marking- Truning – draping of Basic Bodies Back – Draping of basic sleeves – Draping of Basic Skirt.

**UNIT III**

**DRAPING OF SKIRTS AND SLACKS**

Draping of one piece basic skirt – Gored skirt – pleated skirt.  
Draping of basic straight slacks – fitted slacks – Tapered slacks.

**UNIT IV:**

**DRPING OF YOKES , SLEEVES AND COLLARS**

Draping of midriff yoke – bodice yoke – shirt yoke.  
Draping of Peterpan collar – Convertible collar – Mandarin collar.  
Draping of basic Sleeve – Raglon sleeve – Kimono sleeve.

**UNIT V:**

**DRAPING OF KNIT GARMENTS**

Draping of basic knit bodice pattern – Draping of Princess dress – draping of basic Jacket.

**Reference :**

1. Draping for apparel Design, Helen Joesph Armstrong, Harper Collins publishers.
2. Draping for Fashion Design – Hilder Jaffe, Murie Relis, Pearson Education 2012.
3. The Art of Fashion Draping – connie Amaden, Crawford – Fairchild Publications
4. Draping Basics – Sally di marco, Fair child Publications.