

**MANONMANIAM SUNDARANAR UNIVERSITY**

**TIRUNELVELI**

**UG COURSES - AFFILIATED COLLEGES**

**B.Sc. Fashion Designing and Apparel Making**

**(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	Apparel Costing	4	4	25	75	100	30	40
	II	30	Core-7	Home Textiles	4	4	25	75	100	30	40
	III	31	Core-8	Care and Maintenance of Textiles	4	4	25	75	100	30	40
		32	Major Practical - V	Construction of Men's Wear	8	4	50	50	100	20	40
		33	Elective –II	Technical Textiles	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
					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	Textile Testing and Quality Control	4	4	25	75	100	30	40
	III	36	Core-10	Apparel Export and Trade Documentation	4	4	25	75	100	30	40
	III	37	Core-11	Clothing Care and Wardrobe Planning	4	4	25	75	100	30	40
	III	38	Core-12	Apparel Production and Quality Management	4	4	25	75	100	30	40
		39	Major Practical- VI	Textile Testing and Quality Control	8	4	50	50	100	20	40
		40	Elective - III	Fashion Portfolio	6	5	25	75	100	30	40
				Subtotal	30	25					

**MSU/2016-17/UG-Colleges/ Part-I/(B.Sc. Fashion Designing and Apparel Making) / Semester – V/ Ppr.no.29/ Core - 6**

**APPAREL COSTING**

**UNIT –I**

Principles of costing – requirement of good costing system – cost unit- types of cost – Fixed cost – Variable cost – Semi variable cost – Conversion cost – Replacement cost – Differential cost – Imputed cost – Sunk cost – Research cost – Development cost – Policy cost – Shutdown cost.

**UNIT-II**

Elements of cost – Direct material cost – Direct expenses – Direct wages – Indirect material cost – Indirect expenses – Indirect labour overheads- Production overhead – Administrative overhead –selling overhead – Distribution overhead – Prime cost – Work cost – Cost of production – Total cost.

**UNIT – III**

Cost estimation of yarn, fabric and components, dyeing, printing and finishing. Cost estimation for cutting, stitching, checking, packing, forwarding, shipping and insurance.

**UNIT –IV**

Cost of product development. Analysis of Design cost- profit design – product profitability. Function of cost control – Apparel manufacturing cost categories – sales cost control – purchasing cost control – production cost control.

**UNIT- V**

Costing of various garments – Children’s wear , Women’s wear, Men’s wear.

**Reference :**

1. Apparel Manufacturing Analysis – Solinger Jacob
2. Production Costing – Khanna Publications
3. Development Banks and Enterprises
4. Fashion Design and Product Development – Harold Carr/ John
5. Garment Technology for Fashion Designer –Gerry Cooklin.

**MSU/2016-17/UG-Colleges/ Part-II/(B.Sc. Fashion Designing and Apparel Making) Semester – V/ Ppr.no.30/ Core -7**

**HOME TEXTILES**

**UNIT-I**

Introduction to home textiles, definition, types of home textiles, factors influencing selection of home textiles, recent trends in home textiles.

**UNIT-II**

Floor and wall coverings – definition, types of floor covering – hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering – definition, uses, care and maintenance of wall coverings.

**UNIT-III**

Door and window treatments – definition and parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies –swags. Accessories – rods hook, rails, racks, curtain tape pins.

**UNIT-IV**

Soft furnishings for living and bedlinen.. Introduction to living and bedroom linens, types – sofa, sofa covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bed sheets, covers, blankets, blankets covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care.

**UNIT-V**

Soft furnishings for kitchen and dining , types of kitchen linens-kitchen towel, aprons, dish cloth, fridge, grinder and mixie covers, mittens, fridge holders – their uses and care. Types of dining – table mat, dish/pot holders, cutlery holder, fruit baskets, hand towels – uses and care. Bathroom linens – types, uses and care.

**References:**

1. Cheryl Mendelsohn, Home Comforts – the arts and science of keeping home, published by Scriber, New York-2005.
2. Hamlyn octopus, Cushions and Pillows-professional skills –made easy, Octopus publishing group, New York.2001.
3. MagiMc McCormick Gordon, The ultimate sewing Book 2000 sewing ideas for you and your home, Collins and Brown, London.2002.
4. Anne van Wagner Childs Leisure Arts – Inc., Sew no more Home Décor, Arkansas, U.S.A.1993.

**MSU/2016-17/UG-Colleges/Part-III (B.Sc. Fashion Designing and Apparel Making) Semester – V / Ppr.no.31/ Core - 8**  
**CARE AND MAINTENANCE OF TEXTILES**

**UNIT- I**

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

**UNIT-II**

Soaps and Detergents - Definition, Manufacturing process, Properties and their cleansing action. Indigenous cleaning agents like Rita nut, Shikkakai and Bran. Dry cleaning – Using Absorbents, using grease solvents.

**UNIT-III**

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

**UNIT-IV**

Laundry equipment – for storage, for steeping and washing – wash board, suction washer, wash boiler, washing machine. Drying equipment – outdoor and indoor types. Irons and ironing board – types of iron (box, flat, automatic, steam iron) . ironing board – different types.

**UNIT – V**

Principles of washing – Suction washing, washing by kneading, rubbing, scrubbing and squeezing, washing by machine – process details and machine details. Laundering of different fabrics – cotton, linen, woolen, silk, rayon, nylon, and coloured fabrics. Special types of laundry – water proof coats, silk ties, leather goods, furs and laces.

**REFERENCES:**

1. Household Textiles and Laundry Work – DURGA DELUKAR.
2. Fundamentals of Textiles and Their Care – DANTYAGI.S.
3. Shenai V.A. “Technology of Textile Processing” Vol III, V, VII & VIII – Sevl publication Mumbai 1981.
4. Lewis D.N. “Wool Dyeing” SDC Publ. England 1990

**MSU/2016-17/UG-Colleges/(B.Sc. Fashion Designing and Apparel Making) Semester – V/ Ppr.no.32/ Major Practical -V  
Designing and Constructing Men's wear**

**UNIT – I**

Designing and drafting of shirts

1. Slack Shirt : Features
  - (A) Open Collar
  - (B) Patch Pocket
2. T – Shirt : Features
  - (A) Front Half open – Zip Attached
3. Full Sleeve : Feature
  - (A) Open Collar
  - (B) Patch Pocket
  - (C) Full Sleeve with cuff

**UNIT – II**

1. Pleated Trousers : Features
  - (A) Pleats in Front
  - (B) Darts At Back
  - (C) Side Pockets
  - (D) Fly with Buttons or Zip
  - (E) Belt with Adjustable strap.
2. Bell Bottom : Features
  - (A) Bell Bottom
3. Narrow Bottom : Features
  - (A) Narrow Bottom
  - (B) Pleats
  - (C) Hip Pockets

**UNIT – III**

Designing and Drafting Kurates

1. Kalidar – Kurta : Features
  - (A) Kalipiece
  - (B) Side Pocket
  - (C) Stand Collar
  - (D) Half Open
2. Nehru Kurta : Features
  - (A) Half Open
  - (B) Round Neck
  - (C) With or without Pocket
  - (D) Full Sleeve

## UNIT – IV

### Designing and Drafting Jeans and Pyjama

#### 1. Jeans : Features

- (A) Tight Fitting
- (B) Jeans Cut
- (C) Pockets

#### 2. Pajamas : Features

- (A) Elastic or Tape Attached Waist
- (B) Fly

## UNIT – V

### Designing and Drafting Single Breast coat and Night Dress

#### 1. Single Breast Coat : Features

- (A) Coat Collar
- (B) Coat Sleeves
- (C) Pocket

#### 2. Night Dress : Features

- (A) Round Neck or Collar Attached
- (B) Overlap Front
- (C) Tap Attached

### Reference:

1. Scientific Grament Quality “by K. M. Hedge & Sons Plot No. 43, Somuwar pet, Poona – 411011.
2. “Easy Cutting” By Juvkar Commercial Tailors Corporation Pvt. Ltd., 166, Dr. Ambedkar Road, Dardar.
3. “Commercial System of Cutting” By Juvkar Commercial Tailors Corporation Pvt. Ltd., 166, Dr. Ambedkar Road, Dardar.
4. “Zerapkar System of Cutting by K. R. Zreapkar navneet Pub Ltd. Mumbai / Ahmedabad /Nagpur.
5. “Dress Making” by Smt Thangam Subramaniam, Bombay Tailoring & Embroidery college, 32, North Part St, Ambatur, Chennai.
6. “Practical Clothing Construction Part I and II by Mary Mathews Thompson & Co. Pvt Ltd., Chennai – 600 001.

**MSU/2016-17/UG-Colleges/ (B.Sc. Fashion Designing and Apparel Making) Semester – V/ Ppr.no.33/ Elective - II**

**TECHNICAL TEXTILES**

*UNIT-I*

Technical Textiles – introduction.  
Selection of Fibers – suitability and Property of High performance fibers.

UNIT-II

Medical Textiles – Textiles used in various branches of medicals – Bio textiles – Surgical textiles. Fibers used in medical textiles – requirement of fibers in medical textiles.

UNIT-III

Geo textiles – Fibers used in geo textiles – requirement of fibers.  
Application of textiles in geo field.

UNIT-IV

Textiles for automotive industry. Suitable fibers for automotive industry.  
Safety devices – Airbags- Materials used –types of fabric – Finishing process. Seat belts.

UNIT-V

Protective textiles – Bullet proof fabrics – fire retarding fabrics – high temperature fabrics – UV protective 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 to fabric – Corbman. B. P.
4. Performance of Protective Clothing – Johnson. J.S. and Mansdork. S.Z.



**MSU/2016-17/UG-Colleges/ Part-III(B.Sc. Fashion Designing and Apparel Making) Semester – VI / Ppr.no.35/ Core -9**

**TEXTILE TESTING & QUALITY CONTROL**

**UNIT – I**

Introduction to Textile Testing and Quality Control – Definition, Importance of Textile testing and quality control, Routine tests performed in Textile Industry.

**UNIT – II**

**FIBRE ANALYSIS:** Identification of Textile Fibre – Burning, Solvent, Longitudinal and Cross sectional view of Cotton, Wool, Polyester, Nylon, Acrylic fibres. Cotton fibre length, strength- single & bundle strength - Fibre fineness.

**UNIT – III**

**YARN ANALYSIS:** Yarn numbering, wales, courses, density, evenness Yarn strength, Twist and crimp. Colour fastness tests in Textiles – Crocking, Perspiration, Sunlight, Laundering.

**UNIT – IV**

**FABRIC ANALYSIS:** Length, Width, Bow, Skewness, Weight, Thickness, Breaking Strength, Abrasion Resistance, Crease Recovery, Stiffness of fabrics and drapability.

**UNIT – V**

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.

**Reference**

1. Principles of Textile Testing – BOOTH J.E.
2. Technology of Textile Properties –MANJORCE. A.TAYLOR.
3. Textile Testing and Quality Control – GROUER AND HAMBY.
4. Textile Testing and Quality Control – ANGAPPAN.

**MSU/2016-17/UG-Colleges/ Part-III(B.Sc. Fashion Designing and Apparel Making) / Semester – VI/ Ppr.no.36/ Core -10**

**APPAREL EXPORT AND TRADE DOCUMENTATION**

**UNIT-I**

Export marketing of apparel, Global seen, Prospects for Indian apparel in overseas market, Globalisation.

**UNIT-II**

GATT and WTO Agreement and Bilateral Textile – Agreements signed by India with importing quota countries.

**UNIT-III**

Government of India's export entitlement policy on garment exports. A.E.P.C.'s role in the administration of export entitlement policy export promotional activities of A.E.P.C.

**UNIT-IV**

Facilities available for garment exporters

- Cash compensatory support
- Duty draw back
- Export finance through banks
- Export credit guarantee corporation
- Export- Import bank.

**UNIT-V**

Marketing - Market development assistance  
100% Export Oriented scheme of the government of India  
Free trade zone.  
How to start a Garment exporting company?

**Reference:**

1. Effective Export Marketing of Apparel – Darlie O. Koshy.
2. Export Marketing – A practical guide to exporters – S. Sivaramu.

**MSU/2016-17/UG-Colleges/ Part-III(B.Sc. Fashion Designing and Apparel Making)/Semester – VI / Ppr.no.37/ Core -11**

**CLOTHING CARE & WARDROBE PLANNING**

**UNIT - I**

Classification and introduction to laundry processes (2) -(i) Wet and (ii) dry cleaning - Materials equipments used in laundry.

**UNIT – II**

Bleaches – Classification, commercial products, application of bleaches to various fiber and fabric.

**UNIT – III**

Wardrobe planning and factors to be considered while selecting clothes for different age groups (men and women)

**UNIT – IV**

Additives used in laundry – optical brighteners: bleaching agents vs. fluorescent whiteners.

**UNIT – V**

Preservation and storage – Apparel and household linen.  
Disinfections of clothes.

**Reference**

1. Dulkar Durga (1976): Household Textiles and laundry work, Delhi Atmaram and sons.
2. Alexander, R. R (1977) : Textiles products selection, use and care Boston Houghton Miffin Co.
3. Joseph Marjory (1981) : Introductory Textile Science, New York, Holt, Rinehart and Winston.

**MSU/2016-17/UG-Colleges/ Part-III(B.Sc. Fashion Designing and  
Apparel Making) / Semester – VI / Ppr.no.38/ Core -12**

**APPAREL PRODUCTION AND QUALITY MANAGEMENT**

**UNIT-I**

Quality definition – Quality and its necessity . Introduction – Inspection its importance-  
functions of inspection – systems of inspection – types of inspection – hundred percent  
inspection – sampling inspection – comparison of 100% inspection and sampling inspection.

**UNIT-II**

Quality control in Pattern Making, Grading, Marking, Stitching and Production Analysis  
– Co coordinating department activities – Distribution of tickets and Maintenance of records –  
Establishing Merchandising standards. The quality control of trims and fasteners, sewing thread  
and accessories.

**UNIT-III**

Management: Meaning and definition, Functions and Principles of Management –  
Planning, organizing, staffing, directing and controlling, Production and productivity.

**UNIT-IV**

Human resource management: Objectives – Functions and principles of HRD.  
Recruitment / Training of Supervisors and Executives.

**UNIT –V**

- a. Quality standards, SQC – Control charts – Sampling – its importance and use of  
sampling techniques. ISO 9000, ISO 14000. Total quality management, quality  
circles.
- b. Marketing channels, Advertising, Sales promotion, Material management – meaning  
and importance

**Reference**

1. Apparel Manufacturing Handbook – Jacob Solinger.
2. Modern production /Operations, Management – Elwoods Buffa and Rakesh
3. Industrial Engineering and Management – O.P..Khanna
4. Operations Management – T.G.Monks
5. Industrial Psychology M.L.Blum and J.C.Maylor

**MSU/2016-17/UG-Colleges/(B.Sc. Fashion Designing and Apparel Making)  
/ Semester – VI / Ppr.no.39/ Major Practical – VI**

**TEXTILE TESTING & QUALITY CONTROL**

1. Identification of fibre

- Fibre length

2. Identification of yarn

- Yarn count (Pick glass & Beesley balance)
- Yarn twist

3. Identification of fabric

- Thickness testing
- Stiffness testing
- Abrasion testing
- Drape testing
- Crease recovery
- Color fastness – laundry, abrasion (wet, dry ), sunlight

**MSU/2016-17/UG-Colleges/ (B.Sc. Fashion Designing and Apparel Making) / Semester – VI / Ppr.no.40 / Elective - III**

**FASHION PORTFOLIO**

**UNIT –I**

Concept of Portfolio Development – Environment (Natural Factors), Season, Colour, Culture, Fabric design, Occasion, Presentation Technique.

**UNIT –II**

Study on Mood board, fabric Board, Theme Board, and Story Board

**UNIT –III**

**Portfolio Presentation of Kid’s Wear**

Mood board – Colour Paletter – Customer Profile – fabric development Chart – Design Development Chart – Specification Sheet.

**UNIT –IV**

**Portfolio Presentation of Women’s Wear**

Mood board – Colour Paletter – Customer Profile – fabric development Chart – Design Development Chart – Specification Sheet.

**UNIT –V**

**Portfolio Presentation of Men’s Wear**

Mood board – Colour Paletter – Customer Profile – fabric development Chart – Design Development Chart – Specification Sheet.

**Reference:**

1. Judith Miller – The style Source Book, Judith Miller, Tabari and chang, Newyork 1996.
2. NirupamaPundir – Fashion Technology Today and tomorrow Mittal Publication, 2007.
3. Jenny Devis – A Complete Guide to Fashion designing, Abishek, Publications, 2007
4. Tony Hines and Margaret Bruce – Fashion Marketing - contemporary Issues, Butterworth Heinemann Ltd., 2002
5. Mether Castelino –Fashion Kaleidoscope, Rupa Publications,1994
6. Doris Pooser – An India Women’s Guide to success, AIS International, 2007

Fashion and Apparel Designing CHAPTER -3 INTRODUCTION TO ELEMENTS OF FASHION I. Fashion terminology Fashion on its most basic level is about the making and selling of clothes. Fashion is a classically social phenomenon being born in the fifteenth century. It can be viewed as an art because it requires a lot of creativity to make the products.