

**DEGREE OF
MASTER OF SCIENCE IN
TEXTILE AND FASHION DESIGNING
CBCS- CHOICE BASED CREDIT SYSTEM**

(SEMESTER SYSTEM)

**REGULATION AND SYLLABUS
(Effective from the Academic Year 2008 Onwards)**

**RULES AND REGULATIONS FOR THE ADMISSION OF 2 YEARS
M.Sc., TEXTILE AND FASHION DESIGNING**

I. CONDITION FOR ADMISSION

Candidates seeking admission to the first year degree of Master of Science in Textile and Fashion Designing shall be required to have Passed any UG Degree of Arts and Science Course of this university or any of the above degree of any other universities accepted by the syndicate as equivalent thereto, subject to such conditions as may be prescribed therefore shall be permitted to appear and qualify for M.Sc Textile and Fashion Designing Degree Examination of this university after a course of study of two academic years.

II. DURATION OF THE COURSE

The course for the degree of Master of Textile and Fashion Designing shall consist of two academic years divided into four semesters. Each semester consist of 90 working days.

III. COURSE OF STUDY

The course of study shall comprise instruction in the following subjects according to the syllabus and books prescribed from time to time.

IV. EXAMINATIONS

The theory examinations will be conducted for 3 Hours by the university in the subjects prescribed for all the semesters in the month of November & April every year.

The practical examinations will be conducted for 4 Hours by the university in all the subjects prescribed in the month of November & April.

At the end of the fourth semester project viva-voce will be conducted on the basis of the Dissertation/Project Report submitted by the student. The Viva-voce will be conducted by one Internal and One External Examiners.

V. SCHEME OF THE EXAMINATION

The scheme of examinations for the course is given in Annexure. All the practical examinations/ Project work shall be conducted & evaluated internally by the institution themselves with internal and external examiners appointed by the university.

SEM	COURSE CODE	COURSE	HRS		CREDIT	MARKS		
			L	T/P		CIA	EA	TOTAL
I	08PTF01	Core I	4	2	5	25	75	100
	08PTF02	Core II	4	2	5	25	75	100
	08PTFP01	Core Practical I	-	6	4	40	60	100
	08PTFP02	Core Practical II	-	6	4	40	60	100
	08PTFZP01	Elective Practical I	-	6	5	25	75	100
				30	23			
II	08PTF03	Core III	4	2	5	25	75	100
	08PTF04	Core IV	4	2	4	25	75	100
	08PTFZP02	Elective Practical II	-	6	4	40	60	100
	08PTFP03	Core Practical III	-	6	4	40	60	100

	08PBAED01	EDC	2	2	4	25	75	100
	08PHR01	Human Rights	1	1	2	25	75	100
				30	23			
III	08PTFP04	Core Practical IV	-	6	4	40	60	100
	08PTF05	Core V	6	-	4	25	75	100
	08PTF06	Core VI	6	-	5	25	75	100
	08PTFP05	Core Practical V	-	6	4	40	60	100
	08PTFZ01	Elective I	6	-	4	25	75	100
				30	21			
IV	08PTF07	Core VII	6	-	5	25	75	100
	08PTF08	Core VIII	6	-	5	25	75	100
	08PTFP06	Core Practical VI	-	6	4	40	60	100
	08PTFZ02	Elective IV	6	-	4	25	75	100
	08PTFP07	Project Viva Voce	6	-	5	-	100	100
				30	23			
TOTAL					90			

VI.DISSERTATION

(a)TOPIC

The topic of the dissertation shall be assigned to the candidate before the end of the second semester.

No. OF COPIES/DISTRIBUTION OF DISSERTATION

The students should prepare three copies of thesis and submit the same for the evaluation by examiners. After evaluation one copy is to be retained in the college library and one copy is to be submitted to the university (Registrar) and one copy can be held by the student.

(a) FORMAT TO BE FOLLOWED

The formats/certificates for thesis to be submitted by the students are given below:

FORMAT FOR THE PREPARATION OF PROJECT WORK

- (a) Title page
- (b) Bonafide certificate
- (c) Acknowledgement
- (d) Table of contents

CONTENTS

CHAPTER NO.	TITLE	PAGE NO.
1.	INTRODUCTION	
2.	REVIEW OF LITERATURE	
3.	EXPERIMENTAL PROCEDURE	
4.	RESULTS AND DISCUSSION	
5.	SUMMARY AND CONCLUSION	
6.	BIOLOGIOGRAPHY	
7.	APPENDIX	

Format of the title page

TITLE OF THE DISSERTATION

Dissertation submitted in part fulfillment of the requirement for the Degree
of Master Of Science In

TEXTILE AND FASHION DESIGNING

Periyar University, Salem-636011

By

Student name:

Register number:

college/university/department

Year:

Format of the certificate:

This is to certify that the dissertation entitled.....
.....submitted in part fulfillment of the requirement of
the degree of Master of science in textile and fashion designing to the
Periyar university, Salem is a record of bonafide research work carried out
by under my supervision and guidance and that no part
of the dissertation, has been submitted for the award of any degree, diploma,
fellowship or other similar titles or prizes and that the work has not been
published in part or full in any scientific or popular journals or magazines.

Date:

Place:

Signature of the Guide

Signature of the HOD

Internal Examiner

External Examiner

Guidelines for the approval for PG guides for guiding students in their research for submitting dissertation:

A person seeking for recognition as guide should have

**PhD degree\ M.Phil degree\ M.Sc degree with two years experience\
M.Tech Degree**

VI. PASSING RULES

- **Theory Subjects**

75% of the marks for external evaluation and 25% marks are allotted for internal evaluation.

Candidate is demand to have passed to a subject, if he/she get a minimum of 50% of total marks in theory subjects with internal mark of 12 marks and external mark of 38 marks.

- **Practical/Project**

60% of the marks for external evaluation and 40% marks are allotted for internal evaluation.

For practical subjects, the candidate should get minimum marks of 30 marks in external evaluation out of 60 and 20 marks in internal evaluation out of 40.

For project work and viva voce a candidate should get minimum of 50 marks out of 100.

VII. CLASSIFICATION OF SUCCESSFUL CANDIDATES

Candidates who secure not less than 60% of the aggregate marks in the whole examination shall be declared to have passed the examination in first class.

All other candidates shall be declared to have passed in the second class.

Candidates who obtain 75% of the marks in aggregate shall be deemed to have passed the examination in first class with distinction provided they pass all the examinations prescribed for the course at the first appearance.

Candidates who pass all the examinations prescribed for the course in the first instance and within the period of two academic years from the year of admission of the course only are eligible for university ranking.

VIII. QUESTION PAPER PATTERN

(a) Theory:

Time: 3 Hours

Total Marks: 75 Marks

PART A (5 X5 = 25)

Either or Choice

ANSWER ALL THE QUESTIONS

PART B (5 X10 = 50)

ANSWER ALL QUESTIONS

Either or Choice

INTERNAL ASSESSMENT

	MARKS
SEMINAR	: 5
TEST	: 10
ASSIGNMENT	: 5
ATTENDANCE	: 5
	25
PASSING MINIMUM (IA) 50%	- 12 MARKS
PASSING MINIMUM (UE) 50%	- 38 MARKS
PASSING MINIMUM TOTAL	- 50 MARKS

(b) Practical:

Time: 4 Hours

Total Marks: 60 Marks

PART A (1 X20= 20)

Either or Choice

ANSWER ANY ONE

PART B (1 X40 = 40)

Either or Choice

ANSWER ANY ONE

PASSING MINIMUM (IA) 50%	- 20 MARKS
PASSING MINIMUM (UE) 50%	- 30 MARKS
PASSING MINIMUM TOTAL	- 50 MARKS

NO CLASSIFICATION OF INTERNAL MARKS

IX. MAXIMUM DURATION FOR THE COMPLETION OF THE PG PROGRAMME

The maximum duration for the completion of the PG programme shall not exceed eight semesters.

X. COMMENCEMENT OF THIS REGULATION

These regulations shall take effect from the academic year 2008 onwards i.e., for the students who are admitted to the first year of the course during the academic year 2008 – 2009 thereafter.

MSC TEXTILE AND FASHION DESIGN

CHOICE BASED CREDIT SYSTEM

08PTF01 TEXTILE SCIENCE

UNIT - I

Textile Fibers – Definition, Classification, Manufacturing, Physical & Chemical Properties of natural fibres – Cotton, Linen, Wool, Silk and Jute. Man made fibres – Polyester, Nylon, Acrylic, Spandex / Lycra, Viscose Rayon& Tencel.

UNIT - II

Sequence of spinning processes – objective and working principles of Blow room, Carding, Draw frame and Comber.

UNIT - III

Objects and working Principles of Simplex & Spinning (Ring frame).
Yarn – Definition, Classification.

UNIT – IV

Weaving processes – Warp winding, Warping, Sizing and Pirn winding.
Primary and Secondary & Auxiliary motions of power loom.

UNIT - V

Shuttle-less loom - working Principles of Air jet, Water jet, Projectile and Rapier loom.

REFERENCES

- Textile Science, E.P.G. Gohl and L.D. vilensky, 2nd Ed., CB, Publishers, New Delhi.
- Technology of spinning, W.D. Klein , Textile Institute, Manchester.
- Principles of weaving, Mark and Robinson, Textile institute Manchester.
- Textiles fiber to fabric, corbman B.P, International Edn, 1983.
- Mechanism of Weaving, N.N. Banner.J.I Vol – I & II Textile Institute.

08PTF02 WORLD COSTUME AND TEXTILES

UNIT - I

Costumes of European countries – Egypt, Greece, Roman, Sweden, Germany, Poland.

UNIT - II

Costumes of Far Eastern Countries – Japan, Hong Kong, Korea, Srilanka, Pakistan, Malaysia, China, Burma, Thailand & Philippines.

UNIT - III

Costumes of Africa –North, West, South & East

UNIT - IV

American Costumes – North and central America – men, & women costumes of different states of America.

UNIT -V

Study of the following women textiles with emphasis to fabric texture, design, colour & weaving techniques – Dacca muslin, JamDhani, Chanderi, Brocades, Baluchar, Himrus & Amrus & Kashmir shawls

- a. Woven
- b. Dyed
- c. Embroidery
- d. Printed fabrics.

Famous embroideries of India & world.

REFERENCES

- Costumes of India and Pakistan, Das S.N, DB Taraporevala sons & Co, Mumbai 1958.
- Costumes through the ages, Jamession and Schuster, Newyork, 1968.
- Traditional Indian textiles, Gillow or Barnard, Thames and Hudson, London, 1994.
- History of Fashion, Anderson Black J, orbis publishing Ltd, USA 1985.
- Costumes & textiles of Royal India, Ritukumar, Christies Book Ltd, London 1999.

08PTFP01 TEXTILE SCIENCE PRACTICAL

1. Identification of Textile fibres by
 - a) Microscopical Test
 - b) Solubility Test
 - c) Burning Test
2. Analysis of blend ratio of yarn
3. Analysis of fabric for design, draft, peg plan, threads / inch, yarn count , crimp, cover factor and weight per square yard of warp, weft and fabric.
 - a) Plain and its derivatives
 - b) Twill and its derivatives
 - c) Satin of Sateen derivatives
 - d) Honey comb
 - e) Huck – a – back.
 - f) Dobby weaves
 - h) Jacquard Weave

08PTFP02 FASHION SKETCHING PRACTICAL

1. Sketch different types of colour theory
2. Creating design and its application on garments.
3. Sketching of different action croques.
4. Fabric Painting.
5. Silk Painting
6. Glass painting
7. Wardrobe Collection for Teenage boys and girls.
8. Lay figure - 7 ½ head
9. Fashion figures – 8,10,12 head
10. Stick and Block figures.

08PTFZP01 ADVANCED GARMENT CONSTRUCTION

1. Designing and constructing Children's garment of current trend – any 3 styles.
2. Designing and constructing Women's garment of current trend – any 3 styles.
3. Designing and constructing Men's garment of current trend – any 3 styles.
4. Designing and constructing garment for a French / American Style.
5. Fashion show production with the theme.

08PTF03 TEXTILE CHEMISTRY

UNIT I

Introduction – process sequence- singeing, shearing, desizing, scouring, bleaching and mercerizing – objectives, types, process parameters, operations and machines. Evaluation of fabrics- absorbency, whiteness, chemical change and degradation.

UNIT II

Dyeing – theory of dyeing- classification of colorants – fastness properties of dyes- direct, reactive, vat, sulphur, azoic, acid, basic, disperse and natural dyes- properties and application on suitable material.

UNIT III

Printing – ingredients – styles of printing – direct, discharge and resist. Stencil, block, flock, batik, transfer, foam, screen, capsule printing and tie- dye printing.

UNIT IV

Dyeing machines – fibre, yarn, hank and package. Fabric – Jipper, winch, soft flow, HPHT, jet, continuous dyeing and garment dyeing machines.

Dyeing defects, causes and remedies.

Printing machines- roller, flat bed, rotary screen and garment printing. Printing defects, causes and remedies

UNIT V

Pollution – types- land, water, air noise – causes and remedies.

Effluent treatment – methods – colour removal – bio degradation.

Eco friendly textiles.

REFERENCES

- Technology of textile processing – Volume I, II,III,IV,V, VI, VIII, IX, & X- Dr. V.A Shennai.
- Dyeing and chemical technology of textile fibers – E.R.Trotman.
- Technology of textile printing – Prayag. R.S.
- Pollution in textile industry K.B. Krishnakumar, SSM ITT Staff and students co-operative stores.
- Treatment of textile processing effluents – Saking publications, Coimbatore.

08PTF04 RESEARCH METHODOLOGY AND STATISTICS

UNIT I

Research- definition and scope, types of research- historical survey, experimental and case study, definition and identification of a research problem. Basic principle of research designing.

UNIT II

Meaning and scope of statistics. Role of statistics in research, measures of central tendency and description, skew ness and kurtosis, probability- definition, concept of discrete probability distribution, normal distribution –use of normal probability tables.

UNIT III

Elements of testing of a statistical hypothesis, formulation of the problem Definition of type I and II errors. Levels of significance large sample test for proportions. Difference in proportions for means and difference in means.

UNIT IV

Application of students P-test for small samples for single mean, difference in means- test for equality of variance.

Correlation, coefficient of correlation and its interpretation, rank correlation, regression equation and predictions.

Non- parametric test, application of chi- square test.

UNIT V

Data gathering instrument- questionnaire, interview, observation, scaling methods
reliability and validity of measuring instruments sampling – types of samples, selection
of samples, benefits of sampling, evaluating a sample.

Analysis of the data- categorization, coding, tabulation and statistical testing.

Presentation and interpretation of test data.

Conclusion and recommendations. Report writing.

REFERENCES

- Gupta S.P. Statistical methods. Sultan chand & Co, New Delhi 1994.
- Snedocor G.W. and Cochram W.G. Statistical methods, Oxford and IBH 1967.
- Bert J.W. Research in education. Prentice hall. New Delhi 1983.
- Philyis B.S, Social research strategy and tactics. Macmillian, 1977.
- Young. P.V and Sehmid C.F. scientific social survey and research, Prentice hall, New Delhi 1968.

08PTFP03 TEXTILE CHEMISTRY PRACTICAL

1. Desizing of cotton
2. Scouring of cotton
3. Bleaching of cotton
4. Cotton Dyeing –Direct dye, Reactive Dye,Vat Dye, Sulphur Dye& Napthol dyes .
5. Silk and wool Dyeing – Acid Dye , Basic Dye.
6. Polyester Dyeing – Disperse Dye
7. Tie & Dye Technique – Sun Pattern Marbling & Pleating
8. Printing – Direct, Discharge & Resist Style

08PTFZP02 DRAPING PRACTICAL

The following samples using the Draping Technique

1. Create any one of the garment for a girl child.
2. Create any one of the garment for a boy child.
3. Create any one of the garment for a Teenage girl.
4. Create any one of the garment for a Teenage boy.
5. Dart Manipulation.
6. Pleats, Darts, tucks & Gathers.
7. Basic Waist.
8. Neck line, Armhole, waistline and Yokes variations.
9. Collars and Sleeves any one variation.
10. Skirts any one variation.

08PTFP04 CAD IN FASHION AND APPAREL PRACTICAL

1. COREL DRAW

- Creating pattern and design sample for children's wear using Corel Draw.
- Creating Pattern and design samples for women's wear using Corel Draw.
- Creating Pattern and design sample for men's wear using Corel Draw.

2. ADOBE PHOTOSHOP

- Various tools and operations for Drawing and designing with.
- Creating Designs
- Application of Colors
- Importing the Silhouette illustrations from Adobe illustrator.
- Application of garment and textile design.

3. COMPUTER AIDED GARMENT DESIGNING

- Tools and Techniques
- Sketching different types of garments.
- Pattern creation of Children's, women's and men's garments.
- Pattern grading for Children's, women's and men's garments.

- Marker efficiency
- Lay Planning
- Fashion Studio – Utility and tools.
- Children's, women's and men's garments.

08PTF05 CARE FOR TEXTILE & CLOTHING

UNIT - I

Water- types- soft water-hard water- purification of water. Soaps–types– manufacturing – properties. Detergents–types -properties.

UNIT-II

Laundering – objects – methods - laundering of white - coloured, cotton, silk, wool, synthetic fabrics, lace materials, carpets. Clothing storing- mending - darning- seasonal care.

UNIT-III

Dry cleaning - chemicals used - sequence - method - commercial dry cleaning. Washing machines – types - working principles.

UNIT-IV

Ironing and pressing - hot air, steam, permanent pressing, tumble drier –hydro extractor - working principle.

UNIT-V

Stain - classification – removal of known and unknown stains - rules in removing fresh and old stains. Stain removers - grease solvents – absorbents - washing soda - borax.

Care labels – importance- symbols - uses.

REFERENCES

- Fabric care- Noemia. D'Souza.
- Fundamentals of textiles and their care- Susheela.D
- House hold textiles and laundry work- Durga.D
- Textiles fiber to fabric- Bernard.P.Carbman, MC Graw gill international Edition.

08PTF06 TEXTILE TESTING

UNIT I

General aspects of textile testing and quality control – Moisture and its relations to textile materials. Moisture content, moisture regain and relative humidity.

Fibre testing – fibre length, fineness, maturity, strength and trash for natural and manmade fibers and blends. Brief study of HVI and AFIS.

UNIT II

Yarn Testing – yarn numbering – simple calculations, yarn strength, twist, and evenness, neps, crimp, hairiness and yarn appearance. Aspects of Uster evenness tester.

UNIT III

Fabric testing – fabric particulars – length, width, crimp, threads / inch, thread count, weight. Fabric strength – tensile, tearing & bursting. Abrasion resistance, pilling resistance, crease recovery, stiffness, drapability, air permeability and water permeability. Brief study of Kawabata System & KES

UNIT IV

Colour fastness in textiles – washing, light rubbing, perspiration bleaching and dry cleaning. Colour matching cabinets shade matching.

UNIT V

Routine tests performed in the textile industries- standards and specification used in textile industries – control chart concepts, control limits. Types of Chart - X and R Chart.

REFERENCES

- Principles of Textile Testing, Booth J E, Hoy Books, London (1970)
- Technology of textile properties Marjorie A Taylor, Forbes Publication Ltd, London (1972).
- Textile Testing, Angappan P and Gopalakrishnan R, SSM Institute of Textile Technology, Komara Palayam.
- Fiber Science, Mishra S P and Kesavan B K, SSM Institute of textile technology, Komarapalayam.
- Objective evaluation of fabrics, Styios G, John Wiley & Sons USA.

08PTFP05 TEXTILE TESTING PRACTICAL

1. Determination of yarn count
2. Determination of yarn twist
3. Determination of yarn strength
4. Determination of Tensile Strength of the given Fabric.
5. Determination of Bursting Strength of the given Fabric.
6. Determination of tearing strength of a fabric
7. Determination of Stiffness of the given Fabric.
8. Determination of Abrasion Resistance of the given Fabric.
9. Determination of Crease recovery of the given Fabric.
10. Determination of Drape of the given Fabric.
11. Determination of Color Fastness to light, washing, rubbing & perspiration
12. Determination of Shrinkage of the given Fabric.

08PTF07 TEXTILE FINISHING

UNIT-I

Finishing-objects – types – classification - mechanical finish - zero zero (Sanforising) - compacting - calendaring – heat setting - brushing –chemical finishing – softening – stiffening - resin finish - silicone finish.

UNIT-II

Special finishes - water repellent - water proof - flame proof - fire retardant – antimicrobial - anti bacterial - anti mildew.

UNIT-III

Denim finish- soil release finish- stone wash finish- anti pilling finish- fragrance finish- rubbery finish- burn out finish- UV protection finish- stain guards.

UNIT-IV

Moth proofing - antistatic finishing - Milling- decatizing - weighting of silk- anti felting - wool carbonizing - optical whitening of polyester - poplin finish- chiffon finish- de-lusturing of rayon.

UNIT-V

Fusing-objects- types- methods- welding, adhesives and moulding.

Fusing machines - flat bed and continuous fusing.

REFERENCES

- Textile finishing-Dr.V.A.shenai, Sevak publications.
- Textile finishing-Dr.G.Nallangilli and Dr.S. Jayaprakasam.
- Technology of clothing manufacture- Harold Carr and Barbara Lathan.
- Fusing fabric- Margaret Beal 2005, BT Bats tool ltd.

08PTF08 FASHION MARKETING

UNIT I

Meaning and classification of marketing, fashion marketing, fashion market size and structure, marketing environment –micro marketing environment, macro marketing environment. Trends in marketing management.

UNIT II

Marketing function – definition and classification product planning and development importance of fashion products, nature of fashion products. The fashion industry and new product development product mix and range planning. Product line policies. Fashion and related life cycles.

UNIT III

Fashion advertising and preparation of advertising for apparel market. Advertising media used in apparel marketing. Advertising department, advertising agencies. A survey on analysis of customers fashion preference & international advertising.

Fashion sales promotional programme for apparel marketing, communication and promotion, personal selling, point of purchase, sales promotion objectives, consumer sales promotion.

UNIT IV

Marketing research –definition scope and importance of market research in new product development. Pricing policies and strategies for apparel products. Importance of

price policies. Functions of pricing. Factor influencing price decisions. Methods of setting prices. International pricing policy, export pricing.

UNIT V

Global market and its participants in international marketing – Importance, growth and benefits – international market place- goods and services multinational corporations banks and insures trading companies – implications for marketing management- GATT. Present export and import details.

REFERENCE

- Marketing, R.S.N. Pillai and Bagavathi, S. Chand & Co ltd Newdelhi – 1987.
- Marketing Principle and methods by Philip C.F and Duneon D.T, Irwin publications.
- Principles of Marketing by Backman T.N. Maynard H.H and Davidson W.R, Ronald Press Company New York 1970.
- Fashion Marketing by John Fayer Weather.
- International Marketing by V.K.Kirpalani.

08PTFP06 GARMENT SURFACE ACCESSORIES AND ORNAMENTS

Creation of accessories and ornaments for the following

- | | | | |
|----|---------------------------------|---|--------|
| 1. | Head Gears | - | 3 each |
| 2. | Foot wears | - | 3 each |
| 3. | Hand Bags | - | 3 Nos |
| 4. | Earning / Necklaces / Bangles | - | 2 each |
| 5. | Pendants / Bracelets / Ankelets | - | 2 each |
| 6. | Belts / Gloves | - | 2 each |
| 7. | Purses | - | 2 each |

08PTFZ01 TECHNICAL AND HOME TEXTILES

UNIT I

Introduction, definition and scope of technical textiles, Application of technical textiles. Bonded fabrics – fibers used, web preparation, opening, cleaning machines, production of parallel laid web, cross laid & random laid web

UNIT II

Bonding Methods – mechanical, thermal, chemical, melt blown and spun lace techniques. Finishing of bonded fabrics.

UNIT III

Geo textiles – introduction, properties of geo textiles, fibres used, engineering properties, soil strengthening, frictional resistance& applications.

UNIT IV

Medical textiles – defense textiles – protective garments against fire, chemicals, ballistic, rain & static electricity. Textiles in sports & recreation - space textiles.

UNIT V

Home textiles curtains, drapery, choice of fabrics. Cushion – cushion cover, upholsteries bed linen, pillow cover, kitchen linen. Floor covering – hard, resilient and soft floor covering – rugs and carpets – Use and Care. Wall covering – use and care.

REFERENCES

1. Hand Book of Technical Textiles – A R Morrocks and S C Anand, wood Head publishing ltd, England 2000.
2. Family Clothing –Tate and Glisson, John Wiley and sons., illinas, 1963.
3. Designing interior environment – Alexander. N.G., Mascourt, Bizu covanorich.Inc, Newyork, 1972.
4. non woven bonded fabrics – Lunenschloss J and W. Albrocht, Ellis Horwood, London 1985
5. Geo textiles – NWM John, blackie London

08PTFZ02 HAND PRINTING TECHNIQUES

UNIT-I

Printing- objects- styles- direct style- resist style- discharge style of printing.
Ingredients used in printing. Preparation of grey fabric for printing –desizing – scouring – bleaching - mercerization. Degumming of silk.

UNIT-II

Screen printing - preparation of design and screen - table screen printing.
Block printing - preparation of blocks - preparation of colour pads - printing process.

UNIT-III

Stencil printing - preparation of stencils - printing process.
Printing styles- positive – negative – spraying –sponging - brushing.

UNIT-IV

Tie and dye techniques- method of tying- dyeing method.
Batik – types of waxes – waxing – dyeing – de-waxing.

UNIT-V

Colour fixation and after treatments – steaming – curing - thermal fixing.

REFERENCES

- Textile printing- Dr.V.A.Shenai, Shevak publications, Mahajan book distributors.
- Textile printing- S. Udayamarthandam, SSM ITT Co-operative stores, Komarapalayam.
- Printing and dyeing of fabrics and plastics, James Ronald, Aahajan book distributors, 1996.

08PBAED1 ENTREPRENEURSHIP DEVELOPMENT

UNIT I

Principles of Management: Process of Management: Planning-types & strategies, Organizing – business organization & types, office management, Actuating – leadership, motivation & communication and control authority, power centralization / decentralization, delegation.

UNIT - II

Entrepreneurship: Introduction Management Strategies. Starting a new venture, essentials of a successful centre. Activities of a modern business entrepreneurship. Project planning, formulation & Appraisal.

UNIT - III

Location of enterprises. Guidelines on location, factors influencing plant location - availability of labour, raw material, transportation, market & Govt. policies.

UNIT - IV

Plant layout – building structure, lighting, ventilation & heating, material handling.

UNIT – V

Financial Planning, Role of Government & financial institution in entrepreneurship development. Industrial sickness and remedies.

REFERENCES

- Entrepreneurs only, Harell, career Publications., New Jersey, 1995.
- Management for Development, Vikram Sarabhai, Vikas Pub., 1974.
- Entrepreneurship and Rural Markets, Rajagopal.
- Principles of Management, Terry & Franklin, AITBS, 2002.

08PCMED1 BUSINESS COMMUNICATION AND MANAGEMENT

UNIT I

Communication process, problems and networks, verbal communication, language as a vehicle communication, non-verbal communication.

UNIT II

Study and practice of inter-personal, small group and presentation skills essential to effective social, business and professional interaction. Communication devices in commercial publicity: letter styles, designs, pictorial presentation, slogans, colour variations.

UNIT III

Cultural and intercultural communication theory and behaviour, development of specific communication skills for effective inter-cultural communication.

UNIT IV

Principles and methods of modern group discussions, press conference, interviews, seminars.

UNIT V

Nature and objectives of business- legal forms of business ownership- sole trader, partnership, company and co-operative societies- advantages and limitations.

REFERENCES

1. Introduction to business communication, prentice hall of India pvt.ltd. 1981. Quible, Zane, Margaret Johns and donnish Mott.
2. "Writing and speaking in the technology professions- a practical guide", beer, David.P, the institute of electrical and electronics engineering.Inc New York, 1982.
3. Business management- Dinker Pagare.
4. Business organization and management- Y.K.Bhushan.

PERIYAR UNIVERSITY
Model Question Papers
MSC TEXTILE AND FASHION DESIGN
08PTF01 TEXTILE SCIENCE

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25)

Either Or Internal Choice

- 1.(a) Define and classify the textile fibres.
(or)
(b) Explain about the properties of polyester and viscose rayon.
- 2.(a) Explain the objective of spinning
(or)
(b) Explain about the use of comber in the spinning process.
- 3.(a) Explain the objective of draw frame spinning
(or)
(b) Define yarn and classify its various types.
- 4.(a) Explain about warp winding in the weaving process.
(or)
(b) What is warping and sizing in the weaving process explain briefly.
- 5.(a) Briefly explain how a shuttle less loom works.
(or)
(b) What are the working principles of the water jet looms.

SECTION B (5*10 =50)

Either Or Internal Choice

- 1.(a) Explain the physical & properties of natural fibres cotton, linen , wool and jute.
(or)
(b) Explain about the Manmade fibres nylon, Acrylic, Lycra, Tencel.
- 2.(a) Explain the working principles of the blow room.
(or)
(b) What is the use of carding and draw frame in the spinning process and explain how it works.
- 3.(a) Explain the objects and working principles of simplex.
(or)
(b) Briefly explain about the yarn classification.
- 4.(a) Explain briefly about the steps involved in weaving.
(or)
(b) Explain about the primary and secondary motions of power loom..
- 5.(a) Explain the various types of the shuttle less looms with their working principles.
(or)
(b) Explain about projectile loom and rapier loom.

08PTF02 WORLD COSTUME AND TEXTILES

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25)

Either Or Internal Choice

- 1.(a) Explain the various types of Egyptian skirts.
(or)
(b) Explain about the costumes of men for sweden.
- 2.(a) Explain the women costumes of Thailand and pakistan.
(or)
(b) What are the accessories that is used by Burmese women and the srilankan women.
- 3.(a) Explain the men costumes of north africa.
(or)
(b) What are the accessories that is being used by the south african explain.
- 4.(a) Explain the north american men costumes.
(or)
(b) Explain the costumes of women in central america.
- 5.(a) Briefly explain about brocades.
(or)
(b) Explain about a few famous embroideries of india.

SECTION B (5*10 =50)

Either Or Internal Choice

- 1.(a) Explain about the various costumes associated with men and women for Greece
(or)
(b) Explain about the costumes and accessories of Germany and Poland.
- 2.(a) Briefly explain the costumes of Chinese and japanese.
(or)
(b) Explain the costumes of Pakistan and Malaysia.
- 3.(a) Explain the costumes of east africa.
(or)
(b) Briefly explain the costumes of west africa.
- 4.(a) Explain briefly about the major costumes of men and women for central america.
(or)
(b) Explain briefly about the costumes of men and women for northern america.
- 5.(a) Explain the weaving techniques of Dacca muslin, jam dhani and chanderi.
(or)
(b) What are kashmiri shawls and explain its weaving structure with its design structure and colour.

08PTF03 TEXTILE CHEMISTRY

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25) Either Or Internal Choice

- 1.(a) Explain about desizing.
(or)
(b) What is scouring nad bleaching.
- 2.(a) Explain the classification of colorants.
(or)
(b) What are the causes and remedies of dyeing.
- 3.(a) Explain about flock and foam printing.
(or)
(b) What are the styles of printing.
- 4.(a) Briefly explain about brocades.
(or)
(b) Explain about fire retardants.
5. (a) Classify the types of pollution with its causes and remedies.
(or)
(b) What is bio degradation and explain how it is associated with effluent treatment.

SECTION B (5*10 =50) Either Or Internal Choice

- 1.(a) Explain about the objectives and types of mercerizing with the machine operation.
(or)
(b) Explain about the evaluation of fabrics.
- 2.(a) Briefly explain the fastness properties of acid, Vat, reactive and azoic dyes.
(or)
(b) Classify the various types of fabric dyeing machines and explain any two.
- 3.(a) Explain about the printing defects, causes and remedies.
(or)
(b) Classify the printing machines and explain.
- 4.(a) Explain briefly about anti microbial and enzyme wash.
(or)
(b) What is wool carbonizing and explain about calendaring, shrinkage control.
- 5.(a) Explain about eco friendly textiles.
(or)
(b) Briefly explain the process of effluent treatment with its methods.

08PTF04 RESEARCH METHODOLOGY AND STATISTICS

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25)

Either Or Internal Choice

1.(a) Classify the types of research.

(or)

(b) Write a note on experimental survey.

2.(a) Illustrate the role of statistics in research.

(or)

(b) Write about the meaning and scope of statistics.

3.(a) Write a short note on F - Test.

(or)

(b) Write short notes on type 1 and type 2 error.

4.(a) Find the correlation coefficient for the following data.

X:	45	55	65	80	90
Y:	22	32	54	68	73

(or)

(b) Calculate the median for the following data.

Height in cms: 172 148 190 185 158

5.(a) Briefly explain about presentation and interpretation of data.

(or)

(b) Explain about the interview and questionnaire method of data gathering.

SECTION B (5*10 =50)

Either Or Internal Choice

1.(a) Explain the scope of research.

(or)

(b) Define a research problem and explain briefly how to identify the research problem.

2.(a) Briefly explain the measures of central tendency and explain about skewness and kurtosis.

(or)

(b) Explain the normal distribution in detail.

3.(a) What are the elements of testing of a statistical hypothesis.

(or)

(b) Briefly explain the levels of significance for large sample with an example.

4.(a) Calculate rank correlation for the following:

Rank of marks:	70	80	90	100
Students:	8	7	6	4

(or)

(b) Write notes about non parametric test, application of chi- square test.

- 5.(a) Explain about different types of samples.
(or)
(b) Explain data analysis with an example.

08PTF05 CARE FOR TEXTILE & CLOTHING

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25)

Either Or Internal Choice

- 1.(a) Classify the types of soaps and explain.
(or)
(b) What are the properties of detergents.
- 2.(a) Give the objectives of laundering.
(or)
(b) Explain about the mending technique.
- 3.(a) What are the chemicals used for dry cleaning.
(or)
(b) Classify the types of washing machines.
- 4.(a) What is ironing and pressing.
(or)
(b) Explain about thumble drier.
- 5.(a) Classify the stains.
(or)
(b) Explain about washing soda and borax in stain removers.

SECTION B (5*10 =50)

Either Or Internal Choice

- 1.(a) Explain briefly about the types of water.
(or)
(b) Explain the various types of soaps with its manufacturing process and their properties.
- 2.(a) Briefly explain the methods of laundering for silk, wool, carpets and lace materials.
(or)
(b) Explain about darning and seasonal care.
- 3.(a) Classify the types of washing machines with its working principles.
(or)
(b) What is dry cleaning and explain commercial dry cleaning in detail.
- 4.(a) Explain briefly about steam pressing and permanent pressing.
(or)
(b) What is hydro extractor and explain its working principle.
- 5.(a) Explain the various stain removers used in detail.
(or)
(b) What are Care labels and give its importance, symbols and uses.

08PTF06 TEXTILE TESTING

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25) Either Or Internal Choice

- 1.(a) Explain about the fiber length..
(or)
(b) Define moisture, moisture regain and relative humidity.
- 2.(a) Classify briefly about the twist of yarn.
(or)
(b) Explain about yarn strength and yarn numbering.
- 3.(a) Illustrate the following fabric testing briefly - length, width, crimp, threads / inch.,
(or)
(b) Explain briefly about the tensile strength tester.
- 4.(a) Classify the various colour fastness test.
(or)
(b) Explain about shade matching cabinets.
- 5.(a) Classify the tests performed in the textile industry.
(or)
(b) Classify the types of chart and explain.

SECTION B (5*10 =50) Either Or Internal Choice

- 1.(a) Explain briefly about the strength and trash of natural and man made fibers..
(or)
(b) Explain about the study of HVI and AFIS.
- 2.(a) Briefly explain the aspects of Uster evenness tester.
(or)
(b) Explain about crimp and hairiness of yarn.
- 3.(a) Explain about the tear strength tester and bursting strength tester with its working principles.
(or)
(b) What is water permeability test and explain how it works with its principles.
- 4.(a) Explain briefly about the color fastness testing.
(or)
(b) Explain about colour matching cabinets and shade matching cabinets with its working principle.
- 5.(a) Explain the standards and specification used in textile industries.
(or)
(b) What are the control chart concepts and control limits.

08PTF07 TEXTILE FINISHING

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25)

Either Or Internal Choice

- 1.(a) Classify finishing.
(or)
(b) Explain calendering.
- 2.(a) Classify briefly about special finishes.
(or)
(b) Explain about Water proof finish.
- 3.(a) Explain briefly about the soil release finish.
(or)
(b) Explain briefly about the fragrant finish.
- 4.(a) What is antistatic finishing.
(or)
(b) Explain the delustring of rayon.
- 5.(a) Classify the methods of fusing.
(or)
(b) Explain about moulding.

SECTION B (5*10 =50)

Either Or Internal Choice

- 1.(a) Explain briefly about the objectives, types and mechanical finish of Finishing.
(or)
(b) Explain about resin and silicone finish.
- 2.(a) Briefly explain about flame retardant finish and anti microbial finish.
(or)
(b) Explain about anti bacterial and anti mildew finish.
- 3.(a) Explain about the UV production finish and denim finish.
(or)
(b) Explain about rubbery finish, burn out finish and stain guards.
- 4.(a) Explain briefly about Milling, anti felting and wool carbonizing.
(or)
(b) Explain about optical whitening of polyester and poplin.
- 5.(a) Explain about the flat bed and continuous fusing machine.
(or)
(b) What is welding and adhesives and explain the objectives of fusing.

08PTF08 FASHION MARKETING

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25)

Either Or Internal Choice

- 1.(a) What is fashion marketing.
(or)
(b) Explain Meaning and classification of marketing.
- 2.(a) What is the nature of fashion products.
(or)
(b) Define marketing function and classify product planning.
- 3.(a) Explain briefly about the advertising department.
(or)
(b) What are the sales promotion objectives.
- 4.(a) Define marketing research.
(or)
(b) Explain export pricing.
- 5.(a) Classify the international market place.
(or)
(b) Explain about goods and services multinational corporations banks and insures trading companies.

SECTION B (5*10 =50)

Either Or Internal Choice

- 1.(a) Explain briefly about Trends in marketing management
(or)
(b) Explain about micro and macro marketing environment.
- 2.(a) Briefly explain about fashion industry and how to develop new product, product mix and range planning.
(or)
(b) What is Fashion and explain its related life cycles.
- 3.(a) Explain briefly about the advertising media used in apparel marketing.
(or)
(b) Explain briefly about Fashion sales promotional programme for apparel marketing.
- 4.(a) Explain about pricing policies and strategies for apparel products with the importance of price policies.
(or)
(b) What are the methods of setting prices and explain International pricing policy.
- 5.(a) Explain Present export and import details.
(or)
(b) What is the role of GATT in export and import explain.

08PTFZ01 TECHNICAL AND HOME TEXTILES

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25) Either Or Internal Choice

- 1.(a) Define technical textiles.
(or)
(b) What is mechanical finish explain.
- 2.(a) Explain about geo textiles.
(or)
(b) Explain about flame protection fabrics.
- 3.(a) Classify the types of doors and windows.
(or)
(b) How to choose a fabric for curtains.
- 4.(a) Explain about upholsteries.
(or)
(b) Differentiate between bed linens and kitchen linens.
- 5.(a) Explain about resilient floor covering.
(or)
(b) Differentiate between soft floor covering and hard floor covering.

SECTION B (5*10 =50) Either Or Internal Choice

- 1.(a) Explain the scope of technical textiles with its application.
(or)
(b) Explain the various types of finishing process in detail.
- 2.(a) Briefly explain about medical textiles.
(or)
(b) Briefly explain about smart and intelligent textiles.
- 3.(a) Explain briefly about drapery styles of curtains and how to calculate the amount of material needed.
(or)
(b) Explain briefly the types of doors and windows.
- 4.(a) Explain about bolster and bolster covers.
(or)
(b) Explain about cushion, cushion covers, pillow covers.
- 5.(a) Explain the use and care of rugs and carpets.
(or)
(b) Explain the use and care of wall coverings.

08PTFZ02 HAND PRINTING TECHNIQUES

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25) Either Or Internal Choice

- 1.(a) What are the objects of printing and classify its styles.
(or)
(b) What are ingredients used in printing.
- 2.(a) What is screen printing.
(or)
(b) Explain about block printing.
- 3.(a) How to prepare stencils.
(or)
(b) Explain about the sponging technique.
- 4.(a) Classify the types of waxes used for batik.
(or)
(b) what are the methods of tying in a tie and dye technique.
- 5.(a) what is steaming.
(or)
(b) Explain thermal fixing.

SECTION B (5*10 =50) Either Or Internal Choice

- 1.(a) Explain the direct and discharge styles of printing.
(or)
(b) Explain the various process involved to prepare a grey fabric for printing.
- 2.(a) Briefly explain about table screen printing and explain about preparation of design for screen.
(or)
(b) Briefly explain about the printing process of block and how to prepare the pads.
- 3.(a) Explain briefly about the printing styles.
(or)
(b) Explain briefly stencil printing with its process.
- 4.(a) Explain about batik and the process involved.
(or)
(b) Explain about Tie and dye techniques.
- 5.(a) Explain briefly about colour fixation.
(or)
(b) Explain Briefly about the after treatment process.

08PBAED1 ENTREPRENEURSHIP DEVELOPMENT

Time: 3 hours

Total Marks: 75

SECTION A (5*5 =25)

Either Or Internal Choice

- 1.(a) What are the principles of management.
(or)
(b) What is power centralization and decentralization.
- 2.(a) Explain about management strategies.
(or)
(b) Explain about how to start a new venture.
- 3.(a) What are the guidelines for location.
(or)
(b) What is allocation of enterprise?
- 4.(a) Explain about the lighting of a plant layout.
(or)
(b) Explain about the building structure.
- 5.(a) Explain about financial Planning.
(or)
(b) Explain the role of financial institution in entrepreneurship development.

SECTION B (5*10 =50)

Either Or Internal Choice

- 1.(a) Explain about leadership, motivation & communication and control authority.
(or)
(b) Explain the process of management.
- 2.(a) What are the activities of a modern business entrepreneurship.
(or)
(b) How to do project planning, formulation & Appraisal.
- 3.(a) Explain briefly about the location influencing plant location.
(or)
(b) Explain briefly Government policies.
- 4.(a) Explain about material handling in detail.
(or)
(b) Explain about Plant layout.
- 5.(a) What is the Role of Government in entrepreneurship development.
(or)
(b) Give the industrial sickness and remedies.

08PTFPO1 TEXTILE SCIENCE PRACTICAL

Time: 4 hours

Total Marks: 60

SECTION A (1*20 =20)
Either Or Internal Choice

- 1.(a) Identification of textile fibers using microscopic test and burning test.
(or)
(b) Identification of textile fibers using solubility test and burning test.

SECTION B (1*40 =40)
Either Or Internal Choice

- 1.(a) Analysis of fabric for design , draft, peg plan, threads / inch, yarn count crimp, cover factor and weight per square yard.
(or)
(b) Analysis of the blend ratio of yarn.

08PTFP03 TEXTILE CHEMISTRY PRACTICAL

Time: 4 hours

Total Marks: 60

SECTION A (1*20 =20)
Either Or Internal Choice

- 1.(a) Desizing and scouring of fabric.
(or)
(b) Printing using stencil.

SECTION B (1*40 =40)
Either Or Internal Choice

- 1.(a) Polyester dyeing using disperse dye
(or)
(b) Tie & Dye Technique using Sun Pattern Marbling & Pleating

08PTFP04 CAD IN FASHION AND APPAREL PRACTICAL

Time: 4 hours

Total Marks: 60

SECTION A (1*20 =20)
Either Or Internal Choice

- 1.(a) Create designs using corel draw and apply colours using photoshop.
(or)
(b) Create a Pattern for women's wear using Corel Draw.

SECTION B (1*40 =40)
Either Or Internal Choice

- 1.(a) Create a Pattern for children's garment and do the marker efficiency.
(or)
(b) Create a Pattern for men's garment and grade the patterns.

08PTFP05 TEXTILE TESTING PRACTICAL

Time: 4 hours

Total Marks: 60

SECTION A (1*20 =20)
Either Or Internal Choice

- 1.(a) Determination of Tensile Strength for the given Fabric.
(or)
(b) Determination of Thickness for the given fabric.

SECTION B (1*40 =40)
Either Or Internal Choice

- 1.(a) Determination of Color Fastness of the given Fabric by Crock Meter, Perspirometer and Laundrometer.
(or)
(b) Determine the bursting strength and abrasion resistance of the given fabric.

08PTFPO6 GARMENT SURFACE ACCESSORIES AND ORNAMENTS

Time: 4 hours

Total Marks: 60

SECTION A (1*20 =20)
Either Or Internal Choice

- 1.(a) Create a pendant and ear ring for a party wear.
(or)
(b) Design and create a belt and bracelet.

SECTION B (1*40 =40)
Either Or Internal Choice

- 1.(a) Design and construct a hand bag.
(or)
(b) Design and create an accessories set for a casual wear.

08PTFZP01 ADVANCED GARMENT CONSTRUCTION

Time: 4 hours

Total Marks: 60

SECTION A (1*20 =20)
Either Or Internal Choice

- 1.(a) Design and construct a single piece garment for children.
(or)
(b) Design and construct a variation skirt for women.

SECTION B (1*40 =40)
Either Or Internal Choice

- 1.(a) Design and construct garment for women in an American Style.
(or)
(b) Design and construct garment for men.

08PTFZP02 DRAPING PRACTICAL

Time: 4 hours

Total Marks: 60

SECTION A (1*20 =20)

Either Or Internal Choice

- 1.(a) Drape a basic bodice with dart, and a modified sleeve.
(or)
- (b) Drape a variation skirt.

SECTION B (1*40 =40)

Either Or Internal Choice

- 1.(a) Create a garment for a teenage girl with a collar.
(or)
- (b) Create a garment for a boy child with a yoke at the bottom.

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