

Sem	Course code	CORE I SUSTAINABLE FASHION AND TEXTILES	Total Marks:100		Hours Per Week	Credits
I	21PBGCT101			CIA : 50	ESE :50	6

Course Objectives:

1. To impart knowledge on environmental management systems
2. To educate the students about the basic concepts of sustainability in textiles and fashion
3. To enable the students to learn about the various tools in assessing sustainability

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Identify the need for sustainable fashion and textiles	K1 – K6
CO 2	Develop knowledge on sustainable textiles	
CO 3	Analyze the environmental aspects in processing of textiles	
CO 4	Create sustainable fashion products	
CO 5	Interpret the tools in assessing sustainability	

K1 :Remember; K2 :Understand; K3 :Apply; K4 :Analyze; K5 :Evaluate; K6 :Create

Unit – I : Sustainability in textiles and fashion

Sustainability - definition, introduction; necessity for sustainable products, importance of sustainable textiles; environmental and social impacts of the textile, clothing and fashion industry; environmental requirements in textiles and garment industries – general parameters and restrictions, reasons.

Unit – II : Sustainable textiles

Sustainable textiles - different fibres and its impacts on the environment; Natural fibres - types - organic, ecotextiles, recycled and biodegradable; Sustainable natural fibres - organic cotton, organic linen, bamboo, jute, hemp, soysilk, alpaca, tencel, ramie; manmade fibres – fibres from natural polymers, synthetic polymers and inorganic materials.


Unit – III : Eco processing

Environmental aspects of textile processing – eco processing – eco dyeing – eco finishing, green



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chemistry; lifecycle analysis – supply chain – traditional supply chain management and green supply chain management.	
Unit – IV :	Eco fashion
Sustainable fashion – definition, importance; eco design – clean by design, sustainability in fashion retailing, fashion logistics, green consumers; eco fashion designers – responsibilities of designers in linking sustainable strategy with the process of design and production.	
Unit – V :	Tools for sustainability
Tools in assessing sustainability – Life Cycle Assessment (LAC), Carbon Foot Print, Water Foot Print, Resources utilization - water, energy, chemicals; Assessment of social responsibility; New tools, standards and test methods – SteP, The Higg Index, The Sustainable Apparel Index, Dystar, Texan lab, RSC, REACH, CPSIA, GOTS, Chemical tests for heavy metals and ecological toxicity, eco-textile testing and complete biodegradable tests and composting.	
TEXT BOOK	
1	Green Apparels – A Sustainable Way of Apparel Manufacturing, Edited by Parthiban M., Sri Krishnan M.R., Kandhavadiivu.P., Woodhead Publishing India Pvt. Ltd., New Delhi (2018).

REFERENCE BOOKS	
1	Biodegradable and Sustainable Fibres, Blackburn.S., Wood Head Publishing Ltd., Cambridge (2005).
2	Sustainable Fashion and Textiles: Design Journey, Fletcher, K., Earthscan Publications, U.K. (2008).
3	Sustainable Development in Textiles, Miraftab.M., Woodhead Publishing Ltd., Cambridge (2007).
Web Resources	
1	https://nptel.ac.in/courses/109/105/109105136/
2	https://www.seidentraut.eu/pdf/SustainableFashion.pdf
Course Designed By	Verified By
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Dr.N.Radhika	Dr.S.Manjula	Dr.S.Manjula
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QUESTION PAPER PATTERN

SECTION – A	SECTION – B	SECTION – C
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 5 = 25 Marks (Either or choice) Two questions from each unit	5 x 8 = 40 Marks Question Number 16 to 19 (Either or choice) Question Number 20 is Compulsory (Case Study)

Mapping of COs with POs and PSOs:

PO/PSO CO	PO							PSO					
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	
CO1	S	S	S	S	S	S	S	S	S	S	S	S	M
CO2	S	S	S	S	S	S	S	S	S	S	S	S	M
CO3	S	S	S	S	S	S	S	S	M	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	S	S	S	M

S-Strong, M-Medium, L-Low

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Sem	Course code	CORE II INDIAN TEXTILE AND APPAREL INDUSTRY	Total Marks:100		Hours Per Week	Credits
			CIA : 50	ESE :50		
I	21PBGCT102				6	4

Course Objectives:

1. To enable the students to learn about export promotion and trade development
2. To impart knowledge on growth and development of Indian textile industry
3. To educate about the technological developments in textile industry

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Understand the various categories of Indian Textile and Apparel Industry	K1 – K6
CO 2	Outline various schemes and organizations related to textile and clothing industry	
CO 3	Report on the technological developments in fibres, yarns and fabrics	
CO 4	Examine latest technological developments in garment industry	
CO 5	Explain novel techniques adopted in textile processing industry	

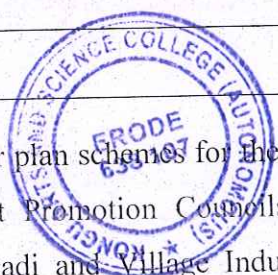
K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit –I : Indian textile industry- An overview

An overview of Indian Textile Industry- Structure and Growth- Role of Indian Textile Industry in the Indian economy- Current scenario – SWOT Analysis. Various Categories - Cotton industry, Woolen industry, Silk industry, Rayon and Manmade textile industry, Jute industry. An overview of Indian Apparel industry.

Unit – II : Textile organizations and schemes

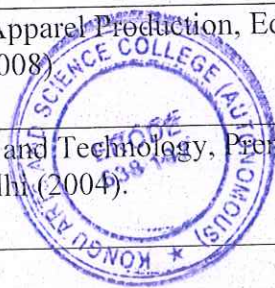
Recent Five year plan schemes for the textile Industry. Organizations related to the textile and clothing industry: Export Promotion Councils, Autonomous Bodies, Statutory Bodies, South Indian Mills Association, Khadi and Village Industries Commission. Textile Research Associations. Concept of GATT and MFA. WTO and its functions.



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Unit – III :	Technological developments in fibres and yarns
Recent developments in fibres- Banana fiber, Bamboo fibre, Corn fiber, Soyabean protein fiber, Lyocell, Poly Lactic Acid (PLA) fiber, Alginate, Collagen, Chitosan and Spider silk. Technological developments in Yarn Industry – Rotor spun yarns, Ring spun yarns, Air- jet spun yarns, Compact spun yarns, Core spun yarns, Textured yarns and Fancy yarns.	
Unit – IV :	Technological developments in fabrics and garments
Developments in Weaving – Shuttleless looms; Developments in Knitting – Weft Knitting, Warp Knitting, Seamless Knitting Technology – Developments in Garment Industry – Machinery developments. Application of CAD/CAM.	
Unit – V :	Technological developments in processing industry
Technological developments in Processing industry- Plasma treatment, Ultrasonic treatment, Foam application, Enzyme treatments - Latest developments in dyeing- Novel printing techniques- Recent developments in textile and garment Finishes.	
TEXT BOOK	
1	The Textile Industry in India : Changing Trends and Employment Challenges, Bindu Oberoi, Oxford University Press, New Delhi (2017).

REFERENCE BOOKS	
1	Indian Textile Industry – State Policy, Liberalization and Growth, Shuji Uchikawa, Oxford University Press, New Delhi (2017).
2	Sustainable Fibres and Textiles, Edited by Subramanian Senthilkannan Muthu, Woodhead Publishing Ltd. Cambridge (2017)
3	Textile Mechanisms in Spinning and Weaving Machines, Ganapathy Nagarajan, Woodhead Publication Ltd., New Delhi (2014).
4	Advances in Apparel Production, Edited by Catherine Fairhurst, Woodhead Publishing Ltd. Cambridge (2008)
5	Fiber Science and Technology, Premamoy Ghosh, Tata McGraw- Hill Publishing Company Ltd., New Delhi (2004).



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Web Resources

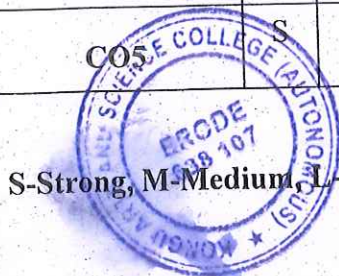
1	https://www.fibre2fashion.com/industry-article/5246/indian-textile-sector-weaves-a-spell-forecasts-for-2020	
2	https://www.fibre2fashion.com/industry-article/3419/recent-developments-in-textile-dyeing-techniques	
Course Designed By	Verified By	Approved By HOD
Dr.S.Manjula	Mr.K.V.Arunkumar	Dr.S.Manjula

QUESTION PAPER PATTERN

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CO1	S	M	S	S	S	M	S	S	M	S	M	S
CO2	M	M	S	S	M	M	S	M	M	S	M	M
CO3	S	S	S	M	S	S	S	S	M	S	M	M
CO4	S	M	S	S	S	S	S	S	S	S	S	M
CO5	S	M	M	S	S	S	S	S	M	S	S	M



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Sem	Course code	CORE PRACTICAL I FASHION ILLUSTRATIONS	Total Marks:100		Hours Per Week	Credits
I	21PBGCP103		CIA : 40	ESE : 60	4	4

Course Objectives:

1. To enable the students to visualize and depict on a subject by illustration
2. To impart knowledge on costumes around the world
3. To hone design sensation

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Design the various costumes of the world	K1 – K6
CO 2	Sketch the regional costumes of India	
CO 3	Illustrate the various professional costumes for men and women	
CO 4	Develop fashion illustration for seasonal clothing	
CO 5	Design fashion accessories	

K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit –I :

World costumes

Sketching of world costumes – Egyptian, Greek, Roman, French, Chinese and Japanese (Each one).

Unit – II :

Regional costumes of India

Sketching of regional costumes of India – Men and Women (Any three).

Unit – III :

Professional clothing

Sketching of clothing that communicates their profession for men or women (Any three).

Unit – IV :

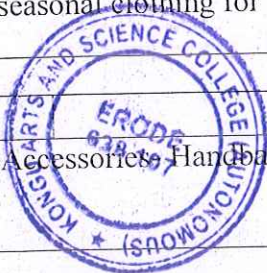
Seasonal clothing

Sketching of seasonal clothing for men or women-summer, winter, autumn, spring.

Unit – V :

Accessories designing

Sketching of Accessories, Handbags, Hats, Shoes, Earrings, Bracelets and Necklaces (Any three designs).



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REFERENCE BOOKS

1	Fashion Illustration Techniques – Maite Lafuente, Evergreen Publications, China (2008).
2	Advanced Fashion Sketch Book – Bina Abling, OM Books International, New Delhi (2005).
3	Introduction to Drawing – John Jackson, Eagle Editions, London (2002).
4	Elements of Fashion and Apparel Design – Sumathi, G.J, New Age International Publications, New Delhi (2002).
5	Fashion Design Illustration: Children - Ireland Patrick John, Batsford Ltd. London (1995).


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Ms.A.Deepika Priya	Dr.N.Radhika	Dr.S.Manjula


Mapping of COs with POs and PSOs:

PO/PSO CO	PO							PSO				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	M	M	S	M	S	S	S	S	S	S	M	M
CO2	M	S	S	M	S	S	S	S	S	S	M	M
CO3	M	S	S	M	S	S	S	S	S	S	M	M
CO4	M	S	S	M	S	S	S	S	S	S	M	M
CO5	M	S	S	M	S	S	S	S	S	S	M	M

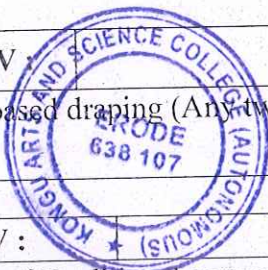


S-Strong, M-Medium, L-Low


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Sem	Course code	CORE PRACTICAL II ADVANCED DRAPING TECHNIQUES	Total Marks:100		Hours Per Week	Credits
I	21PBGCP104		CIA : 50	ESE :50	5	4
Course Objectives:						
<ol style="list-style-type: none"> To enable the students to learn draping to add to their patterning skills To familiarize students with draping method to create costumes To state the purpose of draping 						
Course Outcomes (CO): On completion of the course, students should be able to						
CO 1	Create different styles of children's garments on dress form					K1 – K6
CO 2	Develop various types of women's garments in draping technique					
CO 3	Illustrate and drape the various men's garments					
CO 4	Transform the basic garment styles to theme based garments					
CO 5	Apply draping styles in traditional Indian garments					
K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create						
Unit –I :	Draping for children's garments					
Drape Children's garments by applying elements and principles of design- Casual wear/ School Uniform/ Party wear						
Unit – II :	Draping for Women's garments					
Drape Women's garments by applying elements and principles of design- Casual wear/ Party wear/ Lounge wear						
Unit – III :	Draping for Men's garments					
Drape Men's garments by applying elements and principles of design- Casual wear/ Office wear/ Party wear						
Unit – IV :	Draping for theme based garments					
Theme based draping (Any two themes)- knotting, pleating free style, braiding, tear and wear						
Unit – V :	Draping for traditional garments					
Draping of Traditional garments of India						



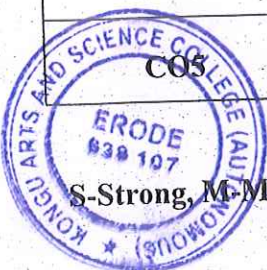
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REFERENCE BOOKS

1	Draping for Fashion Design, Hilde Jaffe, Nurie Relis, Reshan publishing, USA (2001).						
2	Modern Pattern Design, Popin, Hariet, Funk and Wagnalls, New York and London (1996).						
3	Design through Draping, Sheldon, Marhta, Burgers Publishing Company, Minneapolis, USA (1974).						
Web Resources:							
1	https://www.universityoffashion.com/disciplines/draping/						
2	https://www.roughguides.com/gallery/traditional-dress/						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;">Course Designed By</td> <td style="width:33%; text-align: center;">Verified By</td> <td style="width:33%; text-align: center;">Approved By HOD</td> </tr> <tr> <td style="text-align: center;">Mr.R.Rajakumar</td> <td style="text-align: center;">Mr.K.V.Arunkumar</td> <td style="text-align: center;">Dr.S.Manjula</td> </tr> </table>		Course Designed By	Verified By	Approved By HOD	Mr.R.Rajakumar	Mr.K.V.Arunkumar	Dr.S.Manjula
Course Designed By	Verified By	Approved By HOD					
Mr.R.Rajakumar	Mr.K.V.Arunkumar	Dr.S.Manjula					

Mapping of COs with POs and PSOs:

CO \ PO/PSO	PO							PSO				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
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CO3	S	M	S	M	S	M	M	S	S	S	S	M
CO4	S	M	M	M	M	M	S	S	S	M	S	M
CO5	S	M	M	M	S	M	M	S	M	M	M	M



S-Strong, M-Medium, L-Low

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Sem	Course code	CORE PRACTICAL III CAD IN TEXTILE AND FASHION DESIGN	Total Marks:100		Hours Per Week	Credits
I	21PBGCP105		CIA : 50	ESE :50	4	4

Course Objectives:

1. To enable the students to learn digital pattern making, grading and marker planning
2. To prepare various patterns using CAD software
3. To educate the students with new and enhanced tools used in the software

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Identify the styles of sleeves, collars and pockets	K1 – K6
CO 2	Analyze the tools used in grading and marker plan software	
CO 3	Create their own weave designs with colour applications	
CO 4	Evaluate the design and repeat setting in weaves	
CO 5	Apply fabric simulation for woven fabric	

K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit –I : Pattern Making

Drafting basic patterns for children’s, women’s and men’s apparel. Drafting different styles of sleeves, collars, and pockets.

Unit – II : Grading and Marker Plan

Pattern grading for children’s, women’s and men’s apparel.
Lay planning for children’s, women’s and men’s apparel.

Unit – III : Weaves

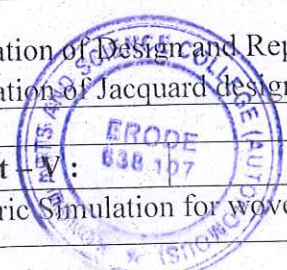
Creation of various designs - Stripes, Checks, Plaids designs - Application of colours.

Unit – IV : Repeats and Jacquards

Creation of Design and Repeat - Repeat setting - Changing of repeat - Application of colours
Creation of Jacquard design - Repeat setting - Application of colours - Application of weaves

Unit – V : Fabric Simulation

Fabric Simulation for woven fabric - Stripes, Checks, Plaids designs.



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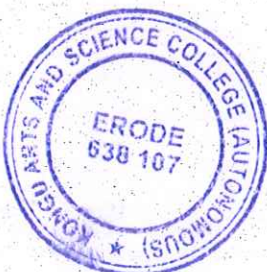
REFERENCE BOOKS		
1	Pattern Drafting and Grading by M. Rohr, Published by M. Rohr, Eastchester, New York, 1961.	
2	Richpeace Garment CAD System Manual, Richpeace Group Co., Limited, China	
Course Designed By	Verified By	Approved By HOD
Mr.K.V.Arunkumar	Dr.N.Radhika	Dr.S.Manjula

Mapping of COs with POs and PSOs:

CO \ PO/PSO	PO							PSO				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	M	M	S	M	S	S	S	S	M	M
CO2	S	S	M	M	S	M	S	S	S	S	M	M
CO3	S	S	M	M	S	M	S	S	S	S	M	M
CO4	S	S	M	M	S	M	S	S	S	S	M	M
CO5	S	S	M	M	S	M	S	S	S	S	M	M

S-Strong, M-Medium, L-Low

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Sem	Course code	ELECTIVE I (A) FASHION EVENT MANAGEMENT	Total Marks:100		Hours Per Week	Credits
			CIA : 50	ESE :50	5	4
I	21PBGET106					

Course Objectives:

1. To impart awareness on various fashion events
2. To learn the various practical steps required for successful organization of fashion events
3. To gain practical knowledge related to the coordination of different activities

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Develop knowledge on fashion event management and its types	K1 – K6
CO 2	Outline the steps in planning fashion show event	
CO 3	Decide stage designing, audio and visual effects for events	
CO 4	Relate the process of merchandise selection and model selection for fashion show	
CO 5	Develop knowledge on promotion and risk management	

K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit –I :

Event management

Event management – Introduction, principles and purpose. Types of fashion events- fashion show, fairs, trade show and product launch. Role of an event coordinator-administration, design, marketing, operations, risk and creating an event plan. SWOT analysis.

Unit – II :

Fashion event planning requirements

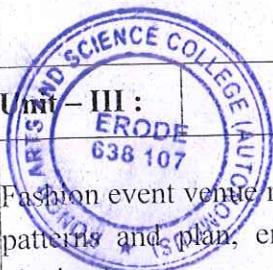
Fashion event planning requirements - theme creation, targeting the audience/vendors, schedule planning, finding a venue, budget, guest lists and invitations. Organizing the required committees, preparing duty charts, source of finance.

Unit – III :

Fashion event venue requirements

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Fashion event venue requirements - stage/ booth design, lighting and allied audio-visual effects, seating patterns and plan, ensuring legal compliance, safety and security, licenses and permits to be obtained.



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Unit – IV :	Catwalk presentation requirements
Catwalk presentation requirements – merchandise selection, model selection, music and choreography, final show sequence rehearsals and wardrobe assistants. Preparation of programme booklet, catering arrangements and progress monitoring through checklists.	
Unit – V :	Promotion
Promotion – media selection-building media relations and preparing press release-poster and pamphlets – catering arrangements. Risk management for prevention of hazards, security for people and merchandise.	
TEXT BOOK	
1	Event Management – A Professional and Development Approach, Second Edition, Dimitri Tassiopoulos, Paarl Print, South Africa (2005).

REFERENCE BOOKS	
1	Visual Merchandising, Swati Bhalla and S.Anuraag, Tata McGraw Hill Education Private Ltd., New Delhi (2010).
2	Visual Merchandising: Windows and In-store Displays for Retail , T.Morgan, Laurence King, London (2008).
3	Fashion Retailing, Ellen Diamond Pearson Education Inc. and Dorling Kinderley Publishing, New Delhi (2007).
4	Visual Merchandising: The Business of Merchandise Presentation. Robert Colborne, Delmer Learning (1996).
5	Study Guide Visual Merchandising and Display, Laura. L Bliss, Fairchild’s Publication, New York (1955).
Web Resources	
1	https://en.wikipedia.org/wiki/Event_management
2	https://cocainemodels.com/fashion-show-agency-planning-and-presentation-of-high-quality-fashion/
Course Designed By Ms.A. Deepika Priya	Verified By Dr. N. RAMAN PRINCIPAL, KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) Dr.S.Manjula NANJANAPURAM, ERODE - 633 107.
Approved By HOD	



QUESTION PAPER PATTERN

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CO2	S	S	S	M	S	S	S	S	S	S	S	S	S
CO3	S	S	S	M	S	S	S	S	S	S	S	S	S
CO4	S	S	S	M	S	S	S	S	S	S	S	S	S
CO5	S	S	S	M	S	S	S	S	S	S	S	S	M

S-Strong, M-Medium, L-Low

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Sem	Course code	CORE III RESEARCH METHODOLOGY AND STATISTICS	Total Marks:100		Hours Per Week	Credits
			CIA : 50	ESE :50		
II	21PBGCT201				7	4

Course Objectives:

1. To enable the students to attain knowledge in basic concepts of research
2. To evaluate the components using statistical skills
3. To motivate for scholarly writing

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Report on the basics of research	K1 – K6
CO 2	Identify the appropriate research problem and prepare research design	
CO 3	Analyze the methods of data collection and data analysis	
CO 4	Apply statistics in research	
CO 5	Develop knowledge on statistical hypothesis and non-parametric tests	

K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit –I : Basics of Research

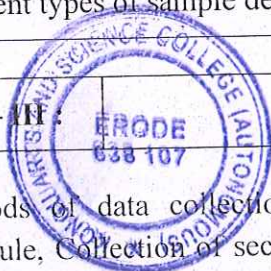
Research – Definition, Objectives. Types of Research. Significance of Research. Research Process. Criteria of good research. Research Problem – Definition, Selecting the problem, Technique involved in defining a problem, Statement of the Problem, Understanding its nature, Surveying the available literature, Developing ideas, Rephrasing the research problem.

Unit – II : Research Design

Research Design - Meaning, Features of a good design, Different research designs, Basic Principles of experimental designs. Developing a Research Plan. Sampling: Census and Sample survey, Steps in sampling design, Criteria for selecting a sampling. Procedure, Characteristics of a good sample design, Different types of sample designs.

Unit – III : Data collection and analysis

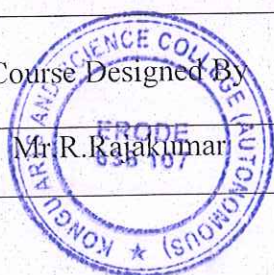
Methods of data collection, Collection of primary data- Observation, Interview, Questionnaire, Schedule, Collection of secondary data- Data processing and analysis, Editing, Coding, Classification, Tabulation, Graphical representation and Data analysis.



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Unit – IV :	Introduction of statistics
Meaning and scope of Statistics - Role of Statistics in research, Measures of Central Tendency and Dispersion, Correlation, Co-efficient of Correlation and its Interpretation, Rank Correlation, Regression equations - predictions and problems.	
Unit – V :	Application of statistics
Elements of testing of a statistical hypothesis, Formulation of the problem. Definition of type -I and type-II errors, Level of significance, large sample test for proportions. Difference in proportions for means and difference in means. Application of students test for small samples for single mean, Difference in means - Non-parametric test: Application of Chi-square test, ANOVA test.	
TEXT BOOK	
1.	Research Methodology, C R Kothari, New Age International (P) Ltd., New Delhi (2004).
2.	An Introduction to Statistical Methods, S P Gupta, Vikas Publishing House, New Delhi (2004).

REFERENCE BOOKS		
1	Research Methodology, R.Paneerselvam, Eastern Economy Edition, New Delhi (2004)	
2	Research Methodology- Methods and Techniques, C.R.Kothari, Gaurav Garg, New Age International Publishers, New Delhi (2019).	
3.	Research Methodology, R.Cauvery, U.K.SudhaNayak, M.Girija, R.Meenalaksmi, S Chand and Company Ltd., New Delhi (2003).	
4.	Statistics, G A Zeaf, Vol. 1 and 2, Textile Institute Manchestor (1984).	
Web Resources		
1	https://onlinecourses.nptel.ac.in/noc19_ge21/preview	
2	free221">http://www.math.wise.edu>free221	
Course Designed By	Verified By	Approved By HOD
Mr.R.Rajakumar	Mr.K.V.Arunkumar	Dr.S.Manjula




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QUESTION PAPER PATTERN		
SECTION – A	SECTION – B	SECTION – C
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 3 = 15 Marks (Either or choice) Two questions from each unit	5 x 5 = 25 Marks Question Number 16 to 19 (Either or choice) Question Number 20 is Compulsory (Case Study)


Mapping of COs with POs and PSOs:

PO/PSO CO	PO							PSO				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
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CO2	S	S	S	S	M	S	M	S	M	M	S	M
CO3	S	M	S	M	S	M	M	S	S	M	S	M
CO4	S	S	S	M	S	M	M	S	M	S	S	M
CO5	S	S	M	S	S	M	S	S	M	M	S	M

S-Strong, M-Medium, L-Low


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Sem	Course code	CORE IV APPAREL QUALITY STANDARDS AND IMPLEMENTATION	Total Marks:100		Hours Per Week	Credits
			CIA : 50	ESE :50	5	4
II	21PBGCT202					

Course Objectives:

1. To impart basic knowledge about quality
2. To focus on inspection systems
3. To educate about the importance of eco friendly textiles

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Analyze the importance and benefits of quality standards	K1 – K6
CO 2	Identify various eco labels adopted in textiles	
CO 3	Explain the inspection procedures carried out in apparel industry	
CO 4	Examine the analytical tools in quality control	
CO 5	Develop knowledge on apparel labeling information	

K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit –I : Quality standards

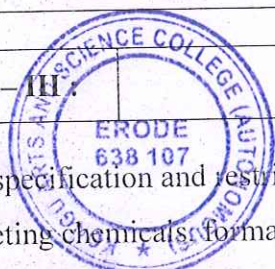
Introduction to quality standards, importance, benefits, levels and sources of quality, standards, ISO Standards for the Apparel Industry- ISO 9000 and 14000 standards - Total quality Management system- concepts- principles of TQM , OEKO Tex 100 standards.

Unit – II : Eco textiles

Sensitizing dye stuffs - allergic dyes - carcinogenic amines - Eco management in textiles and apparel industries, Eco mark, Eco labeling and Environment friendly textiles. Garment defects - cutting defects, sewing defects, assembling defects, pressing, finishing and packaging defects.

Unit – III : Eco specifications in apparels

Eco specification and restrictions in apparel and textile industries- dry cleaning using ozone depleting chemicals, formaldehyde contents, heavy metal contents, Pesticides and herbicides, azo dye stuffs. Nickel contents. Pentachloro phenols, brighteners and softening Agents.




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Unit – IV :	Quality control
Starting a quality control program, implementation of quality systems in production line, product specifications and analysis using analytical tools. Quality management through Inspection, Testing and seven quality tools.	
Unit – V :	Inspection and apparel labeling
Quality costs and customer returns; Inspection procedures, Acceptable Quality Level and quality control. Government regulation and labeling- communication to consumers- Regulation on Apparel labeling, apparel safety, apparel industry business practice and voluntary label information.	
TEXT BOOK	
1	Managing Quality in Apparel Industry, Pradeep V Mehta, NIFT Publications, New Delhi (1998).

REFERENCE BOOKS		
1	Textile Testing, P. Angappan and Gopala Krishnan, SSM Institute of Textile Technology, JK. Publications, Komarapalayam (2002).	
2	Modern Technology of Textile Dyes and Pigments, H.Panda, NII publication, Delhi (1999).	
3	An Introduction to Quality Control for the Apparel Industry, Mehta P V, Marcel Dekker, J.S.N International, Cornell University, New York (1985).	
Web Resources		
1	https://www.fibre2fashion.com/industry-article/5388/creating-a-global-vision-for-sustainable-textiles	
2	https://www.fibre2fashion.com/industry-article/3731/various-methods-of-inspection-systems-for-apparels	
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Dr.S.Manjula	Dr.N.Radhika	Dr.S.Manjula




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QUESTION PAPER PATTERN		
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Mapping of COs with POs and PSOs:

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CO3	S	S	M	S	S	S	S	S	M	S	S	S
CO4	S	S	M	M	S	S	S	S	M	S	S	S
CO5	S	S	S	S	M	S	S	S	S	S	S	S

S-Strong, M-Medium, L-Low



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Sem	Course code	CORE V WORLD COSTUMES	Total Marks:100		Hours Per Week	Credits
II	21PBGCT203		CIA : 50	ESE :50	5	4

Course Objectives:

1. To enable the students to learn various textiles of the world
2. To explore the most colourful and traditional dresses around the world
3. To study the important part of a region's history and identity

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Recognize the costumes of America	K1 – K6
CO 2	Identify the different European costumes	
CO 3	Compare the regional variations in costumes of Far Eastern countries	
CO 4	Discuss about the African costumes	
CO 5	Explain the costumes of Middle East countries	

K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit –I : Costumes of America

Costumes of America -Inuits, American Indians of the southwest, Plains and northwest, Amish costumes, Mexican costumes, Guatemala costumes, Colombian costumes, Chile costume.

Unit – II : Costumes of European countries

Costumes of European countries – German costume, Greek costume, Roman costume, Norway costume, Scotland costume, Hungary costume, Poland costume, Ukraine costume.

Unit – III : Costumes of Far Eastern Countries

Costumes of Far Eastern Countries - Mongolia, China, Japan, Korea, Burma, Thailand, Philippines, Indonesia, Malaysia.

Unit – IV : Costumes of Africa

Costumes of East Africa - Kenya, Uganda, Ethiopia, Rwanda
 West Africa – Nigeria, Ghana, Senegal
 South Africa – Botswana, Tanzania, Zimbabwe
 Costumes of North Africa- Algeria, Morocco, Egypt, Sudan.

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Unit – V : Costumes of Middle East Countries	
Costumes of Middle East Countries - Afghanistan, Pakistan, Palestine, Turkey, Iran, Oman, Saudi Arabia.	
TEXT BOOK	
1	Fashion Costume and Culture, Sara Pendergast and Tom Pendergast, Thomson Gale - 2004.
2	Africa by Charlotte Grieg, Mason Crest Publishers, USA - 2002

REFERENCE BOOKS		
1	Encyclopedia of Clothing and Fashion, Valerie Steele, Thomson Gale, New York - 2005	
2	The Historical Encyclopedia of Costume, Albert Racinet, Studio, London - 1988.	
Web Resources		
1	https://costumes.lovetoknow.com/National_Costumes_of_the_World	
2	https://www.roughguides.com/gallery/traditional-dress/	
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QUESTION PAPER PATTERN		
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Mapping of COs with POs and PSOs:


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CO1	M	S	M	M	M	M	S	S	S	S	M	S
CO2	M	S	M	M	M	M	S	S	S	S	M	S
CO3	M	S	M	M	M	M	S	S	S	S	M	S
CO4	M	S	M	M	M	M	S	S	S	S	M	S
CO5	M	S	M	M	M	M	S	S	S	S	M	S

S-Strong, M-Medium, L-Low



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Sem	Course code	CORE VI FASHION COMMUNICATION AND STYLING	Total Marks:100		Hours Per Week	Credits
II	21PBGCT204			CIA : 50	ESE :50	4

Course Objectives:

1. To develop communication skills, lateral thinking and evaluate the role of the fashion media in promoting fashion
2. To impart knowledge on growth and development of fashion journalism
3. To obtain knowledge about fashion styling

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Identify various types of fashion communication medium	K1 – K6
CO 2	Analyze the different types fashion promotion techniques	
CO 3	Asses the importance of fashion journalism and fashion magazines	
CO 4	Select the other forms of fashion communication	
CO 5	Decide the suitable fashion styling for different categories	

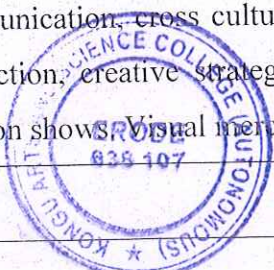
K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit –I : Introduction of fashion communication

Fashion Communication – Definition, origin, objectives, process. Forms of Communication. Elements of communication. Role of symbols for fashion communication. Types of communication medium. Ethics in fashion communication.

Unit – II : Types of communication

Types of Communication - Formal communication, work team communication, non verbal communication, cross cultural communication. Fashion promotion – Advertising – Advertising Media production, creative strategy, and ethical issues. Communications at trade shows, Exhibition and Fashion shows, Visual merchandising in communication.



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Unit – III :	Fashion journalism
Fashion journalism – Editorial, pictorial advertorial. News media, fashion writing, Book writing- data - point collection – planning – drafting – editing- proof reading – cover page designing, writing for news paper publishing. Fashion magazines and catalogue, writing for broadcast media, critical analysis of writing.	
Unit – IV :	New technologies for communication
Other forms of fashion writing, communication on social media, ethics of social media communications, effective use of social media, web page writing. Blog creation and maintenance, content writing, product display and writing. Email, memorandum and others.	
Unit – V :	Fashion styling
Fashion styling – definition, introduction. Types of styling - Editorial styling, newspaper styling, catalogue styling, show production, commercial styling. Grooming and self image – personal development, etiquette, personality of dress. Personal grooming – fashion makeover and fashion photography for men and women.	
TEXT BOOK	
1	Fashion Foundations: Early Writings on Fashion and Dress, Kim K. P Johnson, Susan J Torntore and Joanne B Eicher, Oxford International Publishers Ltd., U.K. (2003).

REFERENCE BOOKS	
1	Writing for the Fashion Business, Kristen. K. Swanson, Judith. C. Everette, Bloomsbury Fairchild Books, United States (2008
2	Fashion Journalism: History, Theory, and Practice, Sanda Miller, Peter McNeil Bloomsbury Publishing, London (2018).
Web Resources	
1	https://www.thelexingtonline.com/blog/2020/12/6/the-future-of-fashion-journalism
2	https://www.masterclass.com/articles/how-to-become-a-fashion-stylist#5-essential-tips-to-succeed-as-a-fashion-stylist



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Mr.R.Rajakumar	Mr.K.V.Arunkumar	Dr.S.Manjula

QUESTION PAPER PATTERN

SECTION – A	SECTION – B	SECTION – C
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 3 = 15 Marks (Either or choice) Two questions from each unit	5 x 5 = 25 Marks Question Number 16 to 19 (Either or choice) Question Number 20 is Compulsory (Case Study)

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CO3	S	S	S	M	M	S	M	S	S	M	S	S
CO4	M	S	S	M	M	M	M	S	M	S	S	S
CO5	S	S	S	M	S	S	S	S	S	S	S	S

S-Strong, M-Medium, L-Low



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Sem	Course code	CORE PRACTICAL V ADVANCED APPAREL CONSTRUCTION	Total Marks:100		Hours Per Week	Credits
II	21PBGCP205		CIA : 50	ESE :50	5	4

Course Objectives:

1. To enable the students to create their own portfolio
2. To implement the creative ideas to construct the garments
3. To enable effective pattern making and construction of garments

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Prepare patterns for children's garments	K1 – K6
CO 2	Apply ideas to develop women's garments based on a theme	
CO 3	Design and construct pattern making techniques for men's garment	
CO 4	Relate the costumes for various occasion	
CO 5	Create garments for fashion shows	

K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit – I : Children's garment

Designing and construct children's garment - casual wear or uniform

Unit – II : Women's garment

Designing and constructing women's garment - casual wear or work wear

Unit – III : Men's garment

Designing and constructing men's garment – casual wear or office wear

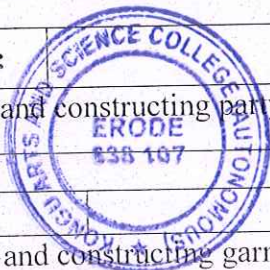
Unit – IV : Party wear

Designing and constructing party wear for men, women or children

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Unit – V : Fashion wear

Designing and constructing garment for a fashion show - men, women or children

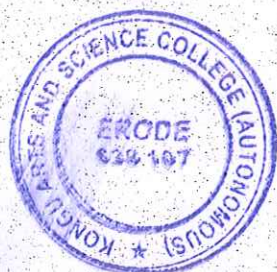


REFERENCE BOOKS		
1	Metric Pattern Cutting for Children's Wear and Baby Wear, Winifred Aldrich, Wiley India Pvt Ltd., Delhi (2012)	
2	Easy Cutting, Juvekar, Commercial Tailors Corporation Pvt. Ltd., Dadar (1998).	
Course Designed By	Verified By	Approved By HOD
Mr.K.V.Arunkumar	Dr.N.Radhika	Dr.S.Manjula

Mapping of COs with POs and PSOs:

PO/PSO CO	PO							PSO				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
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CO3	S	S	M	M	S	M	M	S	S	S	S	S
CO4	S	S	M	M	S	M	M	S	S	S	S	S
CO5	S	S	M	M	S	M	M	S	S	S	S	S

S-Strong, M-Medium, L-Low



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Sem	Course code	ELECTIVE II (A) BEAUTY CARE - I PRACTICAL	Total Marks:100		Hours Per Week	Credits
			CIA : 50	ESE :50		
II	21PBGEP206				4	4

Course Objectives:

1. To enable the students to learn about the importance of beauty care
2. To imbibe the skills and techniques in beauty care
3. To understand the relationship between health and beauty care

Course Outcomes (CO): On completion of the course, students should be able to

CO 1	Observe the practical nuances of threading and waxing	K1 – K6
CO 2	Demonstrate nail services including manicure and pedicure	
CO 3	Develop basic skin care services including skin analysis, bleaching and facial	
CO 4	Create basic hair styles	
CO 5	Analyze and perform hair care services	

K1 : Remember; K2 :Understand; K3 : Apply; K4 : Analyze; K5 : Evaluate; K6 : Create

Unit –I :

Threading and Waxing

Eyebrow Shaping using Threading; Waxing

Unit – II :

Nail Care

Nail Care: Manicure - Pedicure

Unit – III :

Skin Care

Skin Care: Bleaching - Facial for Normal skin

Unit – IV :

Basic Hairstyles

Basic Hairstyles: Knotted style - Rolling style - Plaited style

Unit – V :

Basic Haircuts

Basic Haircuts - Straight Trimming, “U” - cut and “V” - Cut



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REFERENCE BOOKS

1	Beauty Solutions, Tanushree Podder, Pushtak Mahal Publications, New Delhi (2002).
2	Complete Beautician Course , Dr. Renu Gupta, Diamond Pocket Books (P) Ltd., New Delhi (2001).
3	Herbal Beauty Care, Rashmi Sharma, Pustak Mahal Publications, New Delhi (2001).
4	Hair Skin and Beauty Care, Blossom Kochar, UBS Publishers' Distributors Ltd., New Delhi (2000).

Web Resources

1.	https://onlinecourses.swayam2.ac.in/nos19_as11/preview
2	https://nios.ac.in/media/documents/nsqf/beauty%20therapy%20theory.pdf

Course Designed By	Verified By	Approved By HOD
Dr.N.Radhika	Dr.S.Manjula	Dr.S.Manjula

Mapping of COs with POs and PSOs:

PO/PSO CO	PO							PSO				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
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CO3	M	M	M	M	M	M	M	M	S	S	S	S
CO4	M	M	M	M	M	M	M	M	S	S	S	S
CO5	M	M	M	M	M	M	M	M	M	S	S	S



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Sem	Course Code	CORE PAPER - VI INTERNATIONAL TRADE AND DOCUMENTATION	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE : 75	5	
III	17PBGCT301					4

OBJECTIVES:

- To understand the advantages and barriers related to international trade
- To identify and differentiate between various documents used in foreign trade
- To study the import and export procedures

COURSE OUTCOME:

On successful completion of the course, students will be able to

- CO1 Evaluate and justify various documents for processing export and import transactions
- CO2 Develop the ability to understand and analyze the EXIM policy framework
- CO3 Identify major recent developments in the world trading system
- CO4 Assess the various terms and conditions of export finance
- CO5 Make use of export promotion measures

UNIT - I

International trade - Definition , need and salient features - Difference between domestic trade and international trade - Advantages of foreign trade - Problems of foreign trade - Trade barriers - Classification - Tariff and Non - tariff barriers and its types.

UNIT - II

Foreign trade documents - Regulatory frame work - Aligned Documentation System - Types of documents -Regulatory documents - ARE form, GR form, Shipping bill and its types, Bill of entry and its types - Commercial documents - B/L- functions and types, Combined transport documents, Air way bill and its purpose, Commercial Invoice and Special types of invoices, Packing list, Certificate of origin and Marine insurance policy - Auxiliary documents and other certificates.

UNIT - III

Export procedures - Getting established as an exporter - Entering into an export contract - Execution of export order - post shipment procedures - Export promotion measures - Incentive and facilities to exporters - Duty drawback, Excise rebate, Advance license, Duty Entitlement Pass Book, Duty Free Replenishment Certificate, Export Promotion Capital Goods Scheme, Star Export Houses and Target Plus Scheme.



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UNIT - IV

Import procedures - Need for Imports - Step by step Import process - Customs clearance for imports - Role of custom and exercise in international trade, Letter of Credit - Definition, mechanism and types - International Commercial Terms (INCO Terms) and its purpose.

UNIT - V

Recent developments in foreign trade - WTO - Establishment, Functions, Principles, Organizational structure, Agreements, benefits and drawbacks of WTO - Globalization - Definition, Dimensions, Drivers of globalization, Essential conditions, Impacts and Benefits - Globalization of Indian business - Obstacles and Favoring factors - EXIM policy - Regional Trade agreements (RTAS).

TEXT BOOK:

- "Foreign Trade", Jeevanandam.C, Sultan Chand and Sons, New Delhi (2005).

BOOKS FOR REFERENCE:

1. "International Trade and Export Management", Cherunilam. F, Himalaya Publishing House, New Delhi (2008).
2. "International Trade", Agarwal. R, Excel Books, New Delhi (2007).
3. "Indian Foreign Trade", Agarwal. R, Excel Books, New Delhi (2005).
4. "International Trade", Sankaran.S, Margham Publications, Chennai (2005).
5. "International Business and Contract Management", Nayyar. S.K.Vrindra Publications (P) Ltd., New Delhi (2003).

QUESTION PAPER PATTERN		
Section A	Section B	Section C
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3 x 10 = 30 Marks Answer any three Questions One Question from each unit



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Sem	Course Code	CORE PAPER - VII TECHNICAL TEXTILES	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE : 75	5	4
III	17PBGCT302					

OBJECTIVES:

- To enable the students to learn about various high performance fibres
- To impart knowledge on various categories of technical textiles
- To make them understand the potential of technical textile industry

COURSE OUTCOME:

On successful completion of the course, the students will be able to

- CO1 Categorize the various segments of technical textiles and understand the application of high performance fibers
- CO2 Distinguish the importance of various finishes applied to technical textiles
- CO3 Perceive knowledge on thermal behavior of fibers and types of geo textiles
- CO4 Explain the applications of medical textile and agro textiles
- CO5 Analyse the commercial applications of smart and intelligent textiles

UNIT- I

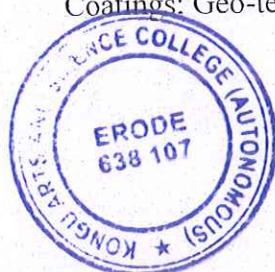
Introduction, definition and scope of technical textiles, Developments in fibres - Natural fibres, Polyamide, Polyester, Viscose rayon and Polyolefins; High performance fibres - Aramids, Carbon fibre, Glassfibres and Ceramic fibres. Classification and Application of technical textiles in various fields.


UNIT- II

Finishing of Technical textiles - Mechanical finishes - Calendering, Raising, Shearing, Compressive shrinkage and Heat setting; Chemical processes - Durable flame Retardant treatments, Water repellent finishes, Antistatic finishes and Antimicrobial finishes; Coatings-coating materials and coating techniques.

UNIT- III

Heat and flame protection - Thermal behaviour of fibres, Selection of fibres suitable for thermal and flame protection; Water proof breathable fabrics - Densely woven fabrics, Membranes and Coatings; Geo-textiles - types and functions.




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UNIT- IV

Medical textiles - Fibres used - commodity and speciality fibres; Non-implantable materials - Wound care and bandages; Extra corporeal devices; Implantable materials - Sutures, Soft tissue implants, Orthopaedic implants and cardiovascular implants; Healthcare and hygiene products. Agro textiles - properties required and applications.

UNIT- V

Smart textiles - Classification-Active smart, Passive smart and Ultra smart textiles - Applications of smart textiles in various fields; Intelligent textiles - Phase Change Materials (PCM), Shape Memory Materials (SMM), Chromic and conductive materials and its applications.

TEXT BOOK:

- “Hand book of Technical Textiles”, A R Horrocks and S C Anand, Woodhead Publishing Ltd., England, (2000).

BOOKS FOR REFERENCE:

1. “An Introduction to Healthcare and Medical Textiles”, Wen Zhong, DE Stech Publications, Inc. (2013).
2. “Technical Textiles: Technology”, Developments and Applications, Dr.V.K.Kothari, IAFL Publications, New Delhi, (2008).
3. “Intelligent Textiles and Clothing”, H.Mattila, Woodhead Publishing Ltd., England, (2006).
4. “Smart Fibres, Fabrics and Clothing”, Xiaoming Tao, Woodhead Publishing Ltd., England (2002).
5. “High Performance Fibres”, J W S Hearle, Woodhead Publishing Ltd., England, (2001).

QUESTION PAPER PATTERN		
Section A	Section B	Section C
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3 x 10 = 30 Marks Answer any three Questions One Question from each unit



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Sem	Course Code	CORE PAPER - VIII PRINCIPLES OF TEXTILE TESTING	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE : 75		
III	17PBGCT303				4	4

OBJECTIVES:

- To acquire knowledge of various physical properties of textiles
- To develop an understanding of utility of different physical testing equipment
- To develop an understanding of the principles involved in different testing methods of textiles

COURSE OUTCOME:

On successful completion of the course, the students will be able to

- CO1 Understand the importance of atmospheric conditions in textiles
- CO2 Analyze the results of fiber testing for specific end use or next process
- CO3 Assess the faulty material and take remedial measures to ensure the quality of yarns
- CO4 Intervene in product development and research
- CO5 Interpret colorfastness properties in textile products

UNIT – I

Introduction to testing, Terminologies of testing, Selection of samples for testing, Standard atmospheric conditions for testing, Measurement of moisture content and regain - Conditioning oven, Shirley moisture meter.

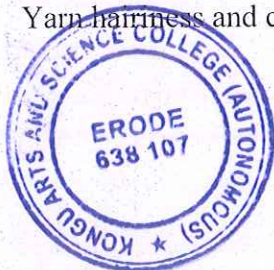
UNIT – II


Fiber testing: Cotton fiber length - Baer sorter, Fineness - Sheffield micrometre, Maturity - Caustic soda swelling, Strength - Stelometer, Determination of trash and lint in cotton - Shirley trash analyzer.

UNIT – III

Yarn testing: Yarn numbering system - Conversion of count from one system to another, Instruments for count determination - Quadrant balance and Beesley balance, Yarn strength testing - Principles of CRT, CRL, CRE - Single yarn strength tester and Lea strength tester, Twist Tester.

Yarn evenness - Classification of variation, Methods of measuring evenness - Black board with ASTM Standards, Uster evenness tester and its standards, Yarn irregularities, Uster Classimat, Yarn harness and crimp testing.




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UNIT – IV

Fabric testing: Fabric thickness, Fabric strength - Tensile strength tester, Tearing strength tester and Hydraulic bursting strength tester, Fabric abrasion - Martindale abrasion tester, Fabric pilling - ICI pill box tester, Fabric drape - Drapemeter, Fabric stiffness - Shirley stiffness tester, Fabric crease resistance.

UNIT- V

Fabric permeability - Shirley air permeability tester, Water permeability testing - Bundesmann tester, Measurement of Water vapour permeability; Colour fastness in textiles – Crocking, Perspiration, Sunlight, Laundering, Pressing and Dry cleaning aspects; Assessment of colour matching using Kawabata Evaluation System.

TEXT BOOK:

- “Textile Testing”, Angappan P and Gopalakrishnan R, SSM Institute of Technology, Komarapalayam (2002).

BOOKS FOR REFERENCE:

1. “Textile Testing”, Jewel Raul, APH Publishing Corporation, New Delhi (2005).
2. “Physical Testing of Textiles”, Saville B P, Wood Head Publishing Limited, Cambridge (2004).
3. “Textile Testing Fibre, Yarn and Fabric”, Dr. Arindam Basu, SITRA, Coimbatore (2001).
4. “Handbook of Textile Testing and Quality Control”, Elliot B Grover and Hamby D S, Willey Eastern Limited, New Delhi (1988).
5. “Principles of Textile Testing”, Booth J E, Newnes Butterworths, London (1976).

QUESTION PAPER PATTERN		
Section A	Section B	Section C
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3 x 10 = 30 Marks Answer any three Questions One Question from each unit



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Sem	Course Code	CORE PRACTICAL - VI PRINCIPLES OF TEXTILE TESTING	Total Marks : 100		Hours Per Week	Credits
			CIA : 40	ESE : 60		
III	17PBGCP304				4	4

OBJECTIVES:

- To enable the students to gain knowledge in physical testing of textile fabrics
- To familiarize the students with different testing equipment
- To provide comprehensive knowledge on the concepts of fabric testing

COURSE OUTCOME:


On successful completion of the course, the students will be able to

- CO1 Experiment with various type of textile fabrics using the relevant instruments
- CO2 Determine the dimensional property of textile fabrics
- CO3 Interpret the mechanical properties of the textile materials
- CO4 Assess the aesthetic properties of the raw materials
- CO5 Identify the colour fastness properties of the dyed and printed materials

LIST OF EXPERIMENTS:


1. Determination of Thickness of the given fabric
2. Determination of Stiffness of the given fabric
3. Determination of Drape of the given fabric
4. Determination of Crease Recovery of the given fabric
5. Determination of Abrasion Resistance of the given fabric
6. Determination of Pills of the given fabric
7. Determination of Tensile Strength of the given fabric
8. Determination of Tearing strength of the given fabric
9. Determination of Bursting Strength of the given fabric
10. Determination of Colour Fastness of the given fabric by Crocking method
11. Determination of Colour Fastness of the given fabric by Perspiration test
12. Determination of Colour Fastness of the given fabric by Laundering method
13. Determination of Colour Fastness of the given fabric by Pressing





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BOOKS FOR REFERENCE:

1. "Physical Testing of Textiles", Saville B P, Wood Head Publishing Limited, Cambridge (2004).
2. "Textile Testing", Angappan P and Gopalakrishnan R, SSM Institute of Technology, Komarapalayam (2002).
3. "Textile Testing Fibre, Yarn and Fabric", Dr.Arindam Basu, SITRA, Coimbatore (2001)..
4. "Handbook of Textile Testing and Quality Control", Elliot B Grover and Hamby D S, Willey Eastern Limited, New Delhi (1988).
5. "Principles of Textile Testing", Booth J E, Newnes Butterworths, London (1976).


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Sem	Course Code	CORE PRACTICAL - VII TEXTILE CAD	Total Marks : 100		Hours Per Week	Credits
			CIA : 40	ESE: 60		
III	17PBGCP305				4	4

OBJECTIVES:

- To enable the students to learn digital pattern making, grading and marker planning
- To prepare various patterns using CAD software
- To educate the students with new and enhanced tools used in the software

COURSE OUTCOME:

On successful completion of the course, the students will be able to

1. Identify the software for the varied design needs
2. Experiment with the tools used in the software
3. Develop in the art of digital pattern making, grading and marker planning
4. Create their own weave designs along with colour applications
5. Apply the created designs and patterns suitable for the textile needs

LIST OF EXPERIMENTS:

1. Drafting basic patterns for children's, women's and men's apparel
2. Pattern grading for children's, women's and men's apparel
3. Lay planning for children's, women's and men's apparel
4. Drafting different styles of sleeves, collars, and pockets
5. Creation of various designs - Stripes, Checks, Plaids designs - Application of colours
6. Creation of Design and Repeat - Repeat setting - Changing of repeat - Application of colours
7. Creation of Jacquard design - Repeat setting - Application of colours - Application of weaves
8. Fabric Simulation for woven fabric

BOOKS FOR REFERENCE:

- Using designing Software Tutorials



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Sem	Course Code	CORE PRACTICAL - VIII	Total Marks : 100		Hours Per Week	Credits
		FASHION ACCESSORY DESIGNING	CIA : 40	ESE : 60	4	
III	17PBGCP306					4

OBJECTIVES:

- To develop practical skills and knowledge on accessory making
- To enhance creative abilities in accessory designing process
- To educate the students with recent developments in bridal accessories

COURSE OUTCOME:


On successful completion of the course, the students will able to

- CO1 Discover a personal creative style and developing an original way of expression
- CO2 Perceive knowledge on making theme based accessories
- CO3 Develop entrepreneurial skills
- CO4 Propose their own designs for fashion shows
- CO5 Design jewellerys using traditional techniques

Prepare the following accessories based on theme and customer profile using available raw materials:

1. Hand bags - 4 varieties
2. Purses / Wallets / Cell Phone covers - 4 varieties
3. Chains / Necklaces -5 models
4. Bangles / Bracelets / Watches - 5 models
5. Slippers / Shoes - 5 models
6. Ear rings - 5 models
7. Finger rings / Toe rings - 5 models
8. Belts - 5 models
9. Hair bands - 5 models
10. Anklets - 5 models
11. A set of Bridal Ornament
12. A set of Ornament for a Fashion Show garment





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BOOKS FOR REFERENCE:

1. Jewellery Making for Beginners, A Complete and easy step by step guide, Janet Evans, Speedy Publishing Books (2013).
2. Vintage Fashion Accessories, Stacy Lo Albo, Krause Publications, Antiques and Collectables (2009).



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Sem	Course Code	ELECTIVE PAPER III (A) BUSINESS ORGANIZATION AND OFFICE MANAGEMENT	Total Marks : 100		Hours Per Week	Credits
			CIA :25	ESE: 75	4	4
III	17PBGET307					

OBJECTIVES:

- To discuss the basic business and office organization concepts
- To enable the students to learn about modern office
- To impart knowledge about record management in business scenario

COURSE OUTCOME:

On successful completion of the course, the students will be able to

- CO1 Illustrate the types of business
- CO2 Explain various source of finance
- CO3 Understand the modern office concept
- CO4 Categorize the record management system
- CO5 Choose the office machine and furniture

UNIT - I

Nature and scope of Business, Forms of Business Organization - Sole Trader, Partnership firms, Companies and Co- operative Societies - Public Enterprise.

UNIT - II

Location of Business - Factors influencing location - Size of Business firm. Sources of Finance - Shares, Debentures, Public Deposits, Bank Credit and Trade Credit -Relative Merits and Demerits.

UNIT - III

Modern office - Functions and importance-Factors governing the effectiveness of office work. Office Accommodation - Location and office lay-out


UNIT - IV

Records Management - Meaning - Filing - Functions, Essentials and Advantages - Filing equipments and methods. Indexing - Objects, Essentials and Advantages - Types of index system.

UNIT - V

Office machines and equipments - Objectives and Types - Office Furniture - Basic consideration before selection of furniture - Types of furniture.




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TEXT BOOK:

- Fundamentals of Business Organization and Management, Y.K.Bhushan, Sultan Chand and Sons, New Delhi, 19th Edition (2013).


BOOKS FOR REFERENCE:

1. Office Management, Dr.R.K.Chopra , Himalaya Publishing House (2015).
2. Business Organization and Management, Gupta C.B, Sultan Chand and Sons, New Delhi (2014).
3. Business Administration and Management, S C Saksena, Sahitya Bhavan Publications (2009).
4. Business Organization and Management, Singh.B.P and T N Chhabra, Dhanpat Rai and Co (P) Ltd., (2004).

QUESTION PAPER PATTERN		
Section A	Section B	Section C
10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3 x 10 = 30 Marks Answer any three Questions One Question from each unit


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Sem	Course Code	CORE PAPER - IX HOME TEXTILES	Total Marks : 100		Hours Per Week	Credits
IV	17PBGCT401		CIA : 25	ESE : 75	4	4

OBJECTIVES:

- To impart wide knowledge on recent developments in home textiles
- To acquire idea in designing home furnishing products
- To learn about interior space layout and its types

COURSE OUTCOME:

On successful completion of the course, the students will be able to

- CO1 Analyze the recent developments in home textiles
- CO2 Categorize the types of curtains and draperies
- CO3 Select suitable fabric structures for home textiles
- CO4 Create different types of linens used in home
- CO5 Develop wide knowledge on different types of layouts

UNIT - I

Introduction to home textiles - definition, types of home textiles, factors influencing selection of home textiles, home trend forecasting, Recent developments in home textiles.

UNIT - II

Floor covering – Introduction , types - hard, soft and resilient, Care and Maintenance of Floor covering. Wall covering- definition, types, care and maintenance of Wall Covering. curtains and draperies - definition and materials used for curtains and draperies. Types of Curtains - draw, tailored, pleated, café, three tier curtains. Types of Draperies. Accessories-rods hook, rails, racks, curtain tape pins.

UNIT – III

Living and bedroom linens – Introduction - Types of sofas, sofa covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bed spreads, Bed covers, blankets, blanket covers, comfort and comfort covers, mattress and mattress covers, pillow and pillow covers, pads, uses and care.



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UNIT - IV

Kitchen linens – types - kitchen towel, aprons, dish cloth, fridge, grinder and mixie covers, mittens, fridge holders - uses and care; Table linen - definition, calculation for table linen covering, types of table linen and table mats, dish/pot holders, cutlery holder, fruit baskets, hand towels-uses and care. Bathroom linens - types, uses and care.

UNIT - V

Creating interior space –layout and textiles - living room, kitchen, dining room, bed room, study room; Factors to be considered in selection of layout.

TEXT BOOK:

- The Liberty Home, Ljiljana Baird, MQ Publications, Ltd, Goswell Road, London (1997).

BOOKS FOR REFERENCE:

1. "Home Comforts, The Art and Science of Keeping Home", Cheryl Mendelson, Scriber Publishers, New York (2005).
2. "Cushion and Pillows", Hamlyn, Octopus Publishing Group Ltd., Great Britain (2001).
3. "Covers for Sofas and Chairs", Hamlyn, Octopus Publishing Group Ltd., Great Britain (2001).
4. "Design and Make Curtains", Heather Luke, The Second Edition, New Holland Publishers Ltd., London (1999).

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Sem	Course Code	ELECTIVE PAPER – IV (A) BEAUTY CARE PRACTICAL - II	Total Marks : 100		Hours Per Week	Credits
			CIA : 40	ESE : 60		
IV	17PBGEP403				4	4

OBJECTIVES:

- To enrich the skills in beauty care treatments
- To impart the details of make - up technique
- To provide training in hair colouring and mehendi applications

COURSE OUTCOME:

On successful completion of the course, the students will be able to

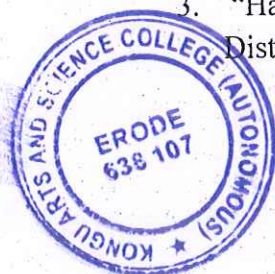
- CO1 Apply advanced skin care services catering to the specific problems related to skin and hair
- CO2 Demonstrate advanced hair care services
- CO3 Develop and practice cosmetology skills in makeup applications
- CO4 Build a career in the beauty industry
- CO5 Demonstrate customer service skills, self-growth and personality development

LIST OF EXPERIMENTS:

1. Pimple treatment
2. Dark circles treatment
3. Pigmentation treatment
4. Bridal make up
5. Dandruff treatment
6. Hair colouring
7. Mehendi application

BOOKS FOR REFERENCE:

1. "Practical Guide to Beautician Training", Patwary M , Asian Publishers, New Delhi (2002).
2. "Body and Beauty Care", Khanna N, Pustak Mahal, New Delhi (2002).
3. "Hair, Skin and Beauty Care, The Complete Body Book", Kochhar.B , UBS Publishers Distributors Limited, Chennai (2000).



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Sem	Course Code	ADVANCED LEARNERS COURSE (A) FASHION PHOTOGRAPHY	Total Marks : 100		Hours Per Week	Credits
III	17PBGAL310		CIA : -	ESE : 100	-	2

OBJECTIVES:

- To learn different techniques and lighting methods in photography
- To impart knowledge on photography for different media, printing techniques
- To impart knowledge on computer applications in photography

COURSE OUTCOME:

On successful completion of the course, the students will be able to

CO1 Choose the types of camera for the specific events

CO2 Outline the importance and types of lighting

CO3 Understand the theme based fashion photography

CO4 Make use of various camera techniques

CO5 Develop their knowledge on printing, image mixing and printing, computer application in photography

UNIT - I

Introduction to Photography - classification and types of camera - 35mm, SLR, Digital camera. Working principle of camera. Accessories: general accessories - lenses, lens filters, film types, flashlights - lighting accessories - power accessories, system accessories. Care and maintenance of camera.

UNIT - II

Lighting - concept and importance - Types of lighting - front light, side light, back light, revealing light, controlling light, flash and studio lighting. Film types - Black and White, Colour. Film speed- Film format.

UNIT - III

Fashion Photography in different media - modeling, newspaper, magazines and fashion shows.

Concept/Theme based photography along with its application and acceptability in marketing and commercialization/branding.



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UNIT - IV

Camera techniques: Basic techniques - fundamentals of composition, depth of field, shutter speed, focusing, using exposures. Equipment techniques - filter techniques, lens techniques, flash techniques, studio flash techniques, lighting techniques. Subject techniques - landscape, night photography, portrait, action photography and special effects. Outdoor and Indoor Photography - equipments

UNIT - V

Basics of developing and printing - image mixing and printing - Latest developments in printing - Computer application in photography

TEXT BOOK:


- "Basic Industrial Arts, Plastics, Graphics Arts, Power Mechanics, Photography", W.R. Miller, McKnight Publishing Company, Illinois (1978).

BOOKS FOR REFERENCE:

1. "Photography Course", John Hedge, John Hedge Co. (1992).
2. "A Professional's Basic Photography", Nirmal Pasricha, Black Rose Publications, New Delhi (2002).



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Sem	Course Code	ADVANCED LEARNERS COURSE (B) BASICS OF LEATHER TECHNOLOGY	Total Marks : 100		Hours Per Week	Credits
III	17PBGAL311		CIA : -	ESE : 100	-	2

OBJECTIVES:

- To enable the students to learn about various types of leather
- To learn the techniques in processing of leather
- To impart knowledge on leather manufacturing technology

COURSE OUTCOME:

On successful completion of the course, the students will be able to

- CO1 Understand the properties, attributes and characteristics of leather.
- CO2 Define the importance of pre tanning process of leather
- CO3 Analyze the various types of tanning agents
- CO4 Explain the principles of post tanning process
- CO5 Select the appropriate finishing techniques for leather

UNIT - I

Leather – History- Leather terminologies- Hides and Skins – Classification of hides and skins by quality – Defects in hides and skins – Types of leather – Characteristics and properties of leather.

UNIT - II

Principles and objectives of pre-tanning process – Preservation – Soaking – Liming – Unhairing – Fleashing – Deliming – Bating – Degreasing and Depickling.

UNIT - III

Principles and objectives of Tanning – Various types of tanning materials – Organic and Mineral tanning agents – Principle involved in vegetable and chrome tanning.

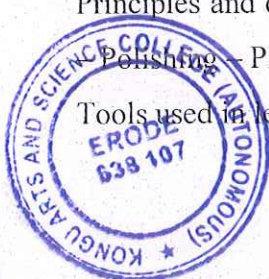
UNIT - IV

Principles and objectives of Post-tanning process – Rechroming, Neutralisation, Bleaching, Retanning, Dyeing and Fat liquoring – Drying.

UNIT - V

Principles and objectives of leather finishing – Conditioning – Staking – Buffing – Dry milling – Polishing – Plating / Embossing, Surface coat applications.

Tools used in leather garments manufacturing – Care of leather garments




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TEXTBOOK:


- An Introduction to the Principles of Leather Manufacture, Dutta.S.S, Indian Leather Technologists' Association, Kolkata, 2002.

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