

Sem	Course Code	Core Paper I:	Total Marks: 100		Hours Per Week	Credits
I	21UASCT101	Professional English - I	CIA : 50	ESE :50	4	4

Course Objectives:

1. To develop the language skills of students
2. To enhance the lexical, grammatical and socio-linguistic and communicative competence
3. To focus on developing students' knowledge of domain specific registers and the required language skills

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

CO1	Identify the correct usage of vocabulary and grammar in speaking and writing	K1 – K4
CO2	Demonstrate the language skills through academic writing	
CO3	Apply the communicative skills by responding to given situations	
CO4	Communicate leadership quality and team building	
CO5	Analyze the information in various circumstances	

K1 :Remember; K2 :Understand; K3 :Apply; K4 :Analyze

Unit –I	Communication
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Listening: Listening to audio text and answering questions -Listening to Instructions

Speaking: Pair work and small group work.

Reading: Comprehension passages –Differentiate between facts and opinion

Writing: Developing a story with pictures.

Vocabulary: Register specific - Incorporated into the LSRW tasks

Unit – II	Description
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Listening: Listening to process description.-Drawing a flow chart.

Speaking: Role play (formal context)

Reading: Skimming/Scanning-

Reading passages on products, equipment and gadgets.

Writing: Process Description –Compare and Contrast

Paragraph-Sentence Definition and Extended definition- Free Writing.

Vocabulary: Register specific -Incorporated into the LSRW tasks.

Unit – III	Negotiation Strategies
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Listening: Listening to interviews of specialists / inventors in fields (Subject specific)

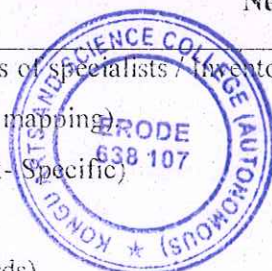
Speaking: Brainstorming. (Mind mapping)

Small group discussions (Subject- Specific)

Reading: Longer Reading text.

Writing: Essay Writing (250 words)


Vocabulary: Register specific - Incorporated into the LSRW tasks



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Unit – IV	Presentation Skills	
Listening: Listening to lectures. Speaking: Short talks. Reading: Reading Comprehension passages Writing: Writing Recommendations Interpreting Visuals inputs Vocabulary: Register specific - Incorporated into the LSRW tasks		
Unit – V	Critical Thinking Skills	
Listening: Listening comprehension- Listening for information. Speaking: Making presentations (with PPT- practice). Reading: Comprehension passages –Note making. Comprehension: Motivational article on Professional Competence, Professional Ethics and Life Skills) Writing: Problem and Solution essay– Creative writing –Summary writing Vocabulary: Register specific - Incorporated into the LSRW tasks		
TEXT BOOK		
1.	Professional English for Life Sciences - TANSICHE	
REFERENCE BOOK		
1.	A Handbook of English for Engineers and Technologists, BS Publications, Eliah P, 2003.	
2.	English for Professionals, Vayu Education of India, Dr.Sheema Miglani & Shikha Goyal, 2010.	
3.	Business English, Tata McGraw-Hill Edition, Dona J.Young, 2012	
WEB RESOURCES		
1.	https://www.classcentral.com/course/swyam-business-english-communication-10097	
Course Designed By		Verified By
Ms.R.S.Cindhu		Dr.N.Sangeetha
Approved By HOD		
Dr.S.Manjula		
QUESTION PAPER PATTERN		
Time: 3 hours		Max. Marks: 50
SECTION-A (10 X 1 = 10 Marks) (Vocabulary) (MCQ, Info-gap questions –domain specific vocabulary)		SECTION-B (4 X 10 = 40 Marks) (Reading :Two long domain-specific comprehension passages with questions pertaining to understanding and analysis – 20 Marks) (Writing: Descriptive/narrative/persuasive writing questions pertaining to domain-specific vocabulary – 20 Marks)




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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
CO 1	S	S	S	M	M	M	S	S	S	M	M	S
CO 2	S	S	S	S	M	M	S	S	S	M	M	S
CO 3	S	S	S	M	M	M	S	S	S	S	S	S
CO 4	S	S	S	S	M	M	S	S	S	S	M	S
CO 5	S	S	S	M	M	M	S	S	S	S	S	S

S-Strong, M-Medium, L-Low

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Sem	Course code	CORE II PRINCIPLES OF PATTERN MAKING	Total Marks:100		Hours Per Week	Credits
I	21UASCT102		CIA : 50	ESE :50	4	4

Course Objectives:

1. To enable the students to learn the necessity of body measurements in pattern making
2. To understand the recent concepts and trends in pattern making
3. To enrich the skills in pattern alteration and grading

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

CO 1	Identify the principles of body measurements	K1 - K4
CO 2	Outline the basic techniques of pattern making	
CO 3	Analyze the standards of good fit in garments	
CO 4	Apply the methods of pattern alteration and grading	
CO 5	Generalize the layout styles in pattern making	

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

Unit – I : **Body measurements and Preparation of fabric for cutting**

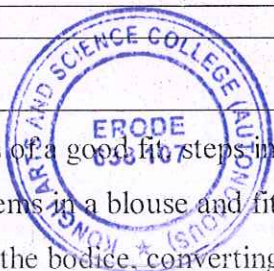
Body measurements - preparation for taking measurements, ladies, men's and children's measurements; Significance of standardizing body measurements; 3D body scanning technology in fashion and apparel industry. Preparation of fabric for cutting - terminologies - importance of grain in cutting and construction, steps in preparing the fabric for cutting.

Unit – II : **Pattern making**

Pattern making - methods of pattern making - Drafting and draping, merits and demerits; Types of paper patterns - Patterns for personal measurements and commercial patterns.


Unit – III : **Fitting and Dart Manipulation**

Fitting - Standards of a good fit, steps in preparing the blouse for fitting, checking the fit of a blouse solve fitting problems in a blouse and fitting techniques. Styles created by shifting of blouse darts, adding fullness to the bodice, converting darts to seam and partial yokes, incorporating darts into seams forming yokes and converting darts to a partial yoke design.



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Unit – IV :	Pattern alteration
Pattern alteration - Methods of altering patterns - General principles for pattern alteration - common pattern alterations in a blouse; Pattern grading - definition - grading the basic bodice, front bodice and sleeves; A study on Computer Aided Design (CAD) software in pattern making industry.	
Unit – V :	Pattern layout
Pattern layout - rules in layout, types of layouts for length wise striped designs, fabric with bold designs, asymmetric designs, one way designs; Procedure to be followed for insufficiency in fabrics, transferring pattern markings, stay stitching and ease stitching.	
TEXT BOOK	
1	Practical Clothing Construction - Part I and Part-II, Mary Mathews, Cosmic Press, Chennai (2019).

REFERENCE BOOKS		
1	Pattern Making in Fashion, Lucia Mors De Castro, Evergreen Publications, Spain (2010).	
2	Dress Pattern Designing, Natalie Bray, Blackwell Publication, New Delhi (2004).	
3	Zarapkar System of Cutting, Zarapkar K. R., Navneet Publications Ltd., Mumbai (2000).	
4	Master Patterns and Grading for Women's Outsizes, Gerry Cooklin, Blackwell Science Ltd., London (1995).	
5	Pattern Grading for Women's Clothing, The Technology of Sizing, Gerry Cooklin, Blackwell Science Ltd., London (1990).	
Web Resources		
1	https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making	
2	https://www.clothingpatterns101.com/pattern-drafting.html	
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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 = 25 Marks (Either or choice) Two questions from each unit	5x5 = 25 Marks (Either or choice) Two questions from each unit

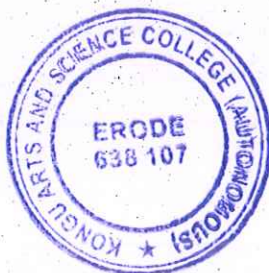
Mapping of COs with POs and PSOs:

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

S-Strong, M-Medium, L-Low



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Sem	Course code	CORE PRACTICAL I BASICS OF APPAREL DESIGNING	Total Marks:100		Hours Per Week	Credits
I	21UASCP103		CIA : 50	ESE : 50	4	4

Course Objectives:

1. To enable the students to learn the functions of basic sewing machine and garment construction
2. To prepare the students to construct the various components of apparel designing
3. To educate about care and maintenance of sewing machines

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

CO 1	Demonstrate the working mechanism of various sewing machines	K1 -K4
CO 2	Construct samples for different types of fullness	
CO 3	Analyze the application methods of neckline finishes, plackets and fasteners	
CO 4	Develop sleeves and yokes with and without fullness	
CO 5	Identify and apply collars and pockets in different position of the garments	

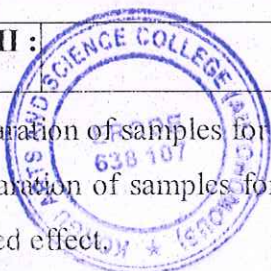
K1 :Remember; K2 :Understand; K3 :Apply; K4 :Analyze; K5 : Evaluate; K6 : Create

Unit –I : Fundamentals of Sewing

1. Threading practice and sample preparation for Single Needle Lockstitch Machine, overlock machine, flat lock machine and fashion maker machine.
2. Preparation of samples for seam - plain, top stitch, welt, lapped, slot, flat fell, french seam, mantua makers and piped seam.
3. Preparation of samples for seam finishes - pinked finish, Edge stitched, double stitch finish, overcast, herringbone and bound seam edge finish.
4. Hems - stitched and turned hem, seam binding hem finish, catch stitched hem, narrow machine stitched hem, rolled or whipped hem and shell edged hem.

Unit – II : Introduction of fullness

1. Preparation of samples for fullness - darts - single pointed and double pointed darts
2. Preparation of samples for tucks - pin, piped or corded, shell or scalloped, cross, group tucking with scalloped effect.
3. Preparation of samples for pleats - knife, box, inverted, kick, cartridge and pinch.
4. Preparation of samples for gathering by hand, machine, elastic, shirring or gauging.
5. Preparation of samples for ruffles - single, double.



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Unit – III :	Neckline finishes
<p>1.Preparation of samples for facing - bias facing, shaped facing, and decorative facing.</p> <p>2.Preparation of samples for binding - single and double bias binding.</p> <p>3. Preparation of samples for plackets - continuous, bound and faced placket, zipper Placket and tailored placket.</p> <p>4. Preparation of fasteners - Button and buttonhole, press button, shank button, fabric loops and hooks and eye.</p>	
Unit – IV :	Sleeves and Yokes
<p>1. Preparation of samples for sleeves - plain sleeve, puff sleeve, bishop sleeve, raglan sleeve, circular sleeve.</p> <p>2. Preparation of samples with yoke - yoke without fullness, yoke with fullness within the yoke.</p>	
Unit – V :	Collars and Pocket
<p>1. Preparation of samples for collar - Peter Pan collar, Shirt collar, Chinese collar, shawl collar.</p> <p>2. Preparation of samples for pocket - Patch pocket and bound pocket. Side seam pocket.</p> <p>3. Safety practices while working on sewing machine, care and maintenance of sewing machine.</p>	


REFERENCE BOOKS	
1	The Complete Book of Sewing, Deni Bown, Dorling Kindersley Limited, USA (2003).
2	A Guide to Fashion Sewing – Second Edition, Connie Amaden - Crawford, Fairchild Publications, USA (1994).
Web Resources	
1.	https://sewguide.com/learn-to-sew-beginners/
2	https://www.textileschool.com/498/types-of-plackets/
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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	M	M	M	M	M	S	S	S	M	S	M
CO2	S	M	L	L	M	L	L	S	M	M	L	S
CO3	S	M	M	L	L	L	M	S	S	M	L	S
CO4	S	L	M	L	L	L	M	S	S	M	L	M
CO5	S	L	S	L	S	S	S	S	S	M	M	M

S-Strong, M-Medium, L-Low


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Sem	Course code	ALLIED PRACTICAL I FASHION ILLUSTRATION	Total Marks:100		Hours Per Week	Credits
1	21UASAP104		CIA : 50	ESE :50	4	3

Course Objectives:

1. To develop understanding of a human figure for fashion drawings
2. To draw fashion croquis and to explore the basic medium of art
3. To improve student's drawing skills

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

CO 1	Sketch the fashion illustration techniques using different mediums	K1 - K4
CO 2	Illustrate various head theories to develop croquis	
CO 3	Illustrate the human anatomy	
CO 4	Outline the garment styles with the help of fabric rendering	
CO 5	Practice fashion illustrations for various garment styles	

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

Unit – I :

Basic Techniques of Drawing

Line and line drawing-hatching, cross hatching and contoured hatching, perspective view drawing-one point, two point and three point perspective, sketching with mediums-pencil, charcoal, ink and poster

Unit – II :

Head Theory

Drawing croquis - 10 and 12 head theory - front and back of male and female, Achieving different poses of croquis - stick and fleshy (any 3).

Unit – III :

Human Anatomy

Human anatomy - eye, ear, nose, hands, legs and lips. Various types of hairstyles. Developing illustrations from the picture of magazine - face, front pose, back pose.

Unit – IV :

Illustrating Pattern Details

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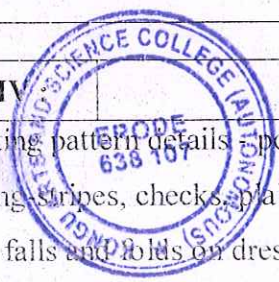
Illustrating pattern details - pockets, sleeves, yokes, skirts, tops and trousers (any 3 types). Fabric rendering - stripes, checks, plaids and prints. Practicing pleats and gathers in garment style. Rendering of drapes, falls and folds on dressed silhouette with soft pencil - light and shadow effects using soft pencil.

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Unit – V :

Various Garment Styles

Creating illustrations with various garment styles for men, women and children for different seasons - summer, winter, autumn and spring. Texture rendering - stripes, checks and prints.



REFERENCE BOOKS

1	Fashion Illustration Techniques, Maite La Fuente, 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).				
Course Designed By		Verified By		Approved By HOD	
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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	L	M	L	S	S	S	M	L	S
CO2	S	S	M	M	L	L	S	S	S	M	L	S
CO3	S	S	M	L	L	L	S	S	S	M	L	S
CO4	S	S	M	L	M	L	S	S	S	S	M	S
CO5	S	S	M	M	M	L	S	S	S	M	S	S

S-Strong, M-Medium, L-Low



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Sem	Course Code	Foundation Course – I: Environmental Studies	Total Marks: 50		Hours Per Week	Credits
I	21ES01			CIA : -	ESE :50	2

Course Objectives:

1. To identify the major challenges in environmental issues and find the possible solutions.
2. Develop socio-economic skills for sustainable development.
3. To analyze an overall impact of specific issues and develop environmental management plan.

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

CO 1	Compile different types of ecosystem and its energy flow.	K1 – K4
CO 2	Analyze the impacts of Natural resources	
CO 3	Apply the concepts of biodiversity and its conservation.	
CO 4	Create awareness on disaster management and measures to prevent pollution.	
CO 5	Outline the environmental policies and its practices.	

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

Unit –I Ecosystems

Ecosystems: Meaning - Structure and function of Ecosystem; Types of Ecosystem; Structure and function of the following Ecosystem: (a) Forest Ecosystem (b) Grassland Ecosystem (c) Desert Ecosystem (d) Aquatic Ecosystems; Energy flow in an Ecosystem: Food Chains, Food Webs and Ecological Pyramids. Need for a Balanced Ecosystem and Restoration of degraded Ecosystem.

Unit – II Natural Resources: Renewable and Non-renewable Resources

Land Resources and land use change; Land degradation, Soil erosion and desertification.

Deforestation: Causes and impacts due to mining, Dam building on Environment, Biodiversity and Tribal Populations.

Water: Use and over-exploitation of surface and ground water, Floods, Droughts, Rain water Harvesting.

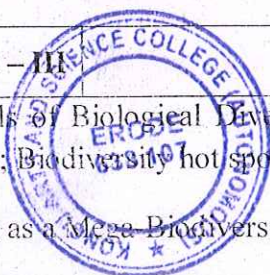
Energy Resources: Renewable and Non Renewable Energy Sources, Use of Alternate Energy Sources, growing energy needs.

Unit – III Biodiversity and Conservation

Levels of Biological Diversity: Genetic, Species and Ecosystem diversity; Biogeographic zones of India; Biodiversity hot spots.

India as a Mega-Biodiversity Nation; Endangered and Endemic species of India.

Threats to biodiversity: Habitat loss, Poaching of Wildlife, Man - Wildlife conflicts, Biological invasions; Conservation of Biodiversity: In-situ and Ex-situ conservation of biodiversity.



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Unit – IV	Disaster Management & Environmental Pollution
<p>Disaster: Types – Natural and Manmade; Earthquakes, Volcanic eruption, Landslides, Flood, Drought, Fire, Nuclear, Chemical and Biological Disasters.</p>	
<p>Disaster Management: Floods, Earthquake, Cyclones and Landslides.</p>	
<p>Causes, Effects and Control measures of: (a) Air Pollution (b) Water Pollution (c) Soil Pollution (d) Noise Pollution (e) Thermal Pollution (f) Radioactive Pollution.</p>	
<p>Solid Waste Management, E - Waste Management - Sources, Characteristics & Disposal methods Environmental Sanitation – Socioeconomic Benefits</p>	
Unit – V	Environmental Policies & Practices
<p>Climate Change, Global Warming, Ozone layer depletion, Acid Rain and Impacts on Human Communities and Agriculture.</p>	
<p>Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water(Prevention & control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act.</p>	
<p>International Agreements: Montreal and Kyoto.</p>	
<p>Public Awareness Campaign: Clean India Movement – Swachh Bharat Abhiyan.</p>	
TEXT BOOKS	
1.	Environmental Studies for Under Graduate Course, 1 st edition, Bharathiar University, Coimbatore, 2004.
2.	Environmental Studies (for Non-Engineering Students) by Prof. B.Sudhakar Reddy, Prof. T.Shivaji Rao, Prof. U.Tataji and Prof. K.Purushotham Reddy, published by Maruthi Publications, Guntur. (Prescribed by APSCHE).
3.	Environmental Studies by Dr.M.Satyanarayana, Dr.M.V.R.K.Narasimhacharyulu, Dr.G.Rambabu and Dr.V.Viveka Vardhani, Published by Telugu Academy, Hyderabad.
REFERENCE BOOKS	
4.	Benny Joseph (2005), “Environmental Studies”, Tata McGraw – Hill Publishing Company Limited.
5.	R.J.Ranjit Daniels and Jagadish Krishnaswamy, (2009), “Environmental Studies”, Wiley India Private Ltd., New Delhi.
6.	S.M. Prakash, “Environmental Studies”, Elite Publishers Mangalore, 2007.
Web Resources	
1.	https://www.edx.org/course/subject/environmental-studies
2.	https://byjus.com/biology/types-of-pollution/
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Course Designed By	Verified By	Approved By HOD
Ms.T.Radha	Ms.C.Radhamani	Dr.S.Manjula

QUESTION PAPER PATTERN

SECTION – A

100 X ½ = 50 Marks

Answer ALL the questions

Multiple Choice Questions

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
CO 1	M	M	S	S	L	S	M	L	M	M	S	L
CO 2	M	L	S	M	L	S	S	M	M	M	M	M
CO 3	M	L	S	M	M	S	S	M	L	M	S	M
CO 4	S	M	S	S	M	S	M	S	M	M	S	M
CO 5	M	M	M	S	M	S	S	S	M	S	S	S

S-Strong, M-Medium, L-Low



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Sem	Course Code	Core Paper III :	Total Marks: 100		Hours Per Week	Credits
II	21UASCT201	Professional English - II	CIA : 50	ESE :50	4	4

Course Objectives:

1. To develop the language skills of students
2. To enhance the lexical, grammatical and socio-linguistic and communicative competence
3. To focus on developing students' knowledge of domain specific registers and the required language skills

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

CO 1	Identify the correct usage of vocabulary and grammar in speaking and writing	K1 – K4
CO 2	Demonstrate the language skills through academic writing	
CO 3	Apply the communicative skills by responding to given situations	
CO 4	Communicate leadership quality and team building	
CO 5	Analyze the information in various circumstances	

K1 :Remember; K2 :Understand; K3 :Apply; K4 :Analyze

Unit –I	Communicative Competence
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Listening – Listening to two talks/lectures by specialists on selected subject specific topics - (TED Talks) and answering comprehension exercises (inferential questions)

Speaking: Small group discussions (the discussions could be based on the listening and reading passages- open ended questions)

Reading: Two subject-based reading texts followed by comprehension activities/exercises

Writing: Summary writing based on the reading passages

Unit – II	Persuasive Communication
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Listening: listening to a product launch- sensitizing learners to the nuances of persuasive communication

Speaking: debates – Just-A Minute Activities

Reading: reading texts on advertisements (on products relevant to the subject areas) and answering inferential questions

Writing: dialogue writing- writing an argumentative /persuasive essay.

Unit – III	Digital Competence
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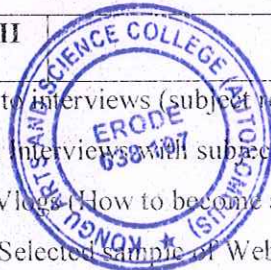
Listening to interviews (subject related)

Speaking: Interviews with subject specialists (using video conferencing skills)

Creating Vlogs (How to become a vlogger and use vlogging to nurture interests – Nanjanapuram)

Reading: Selected sample of Web Page (subject area) Writing: Creating Web Pages

Reading Comprehension: Essay on Digital Competence for Academic and Professional Life.



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(AUTONOMOUS)
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The essay will address all aspects of digital competence in relation to MS Office and how they can be utilized in relation to work in the subject area.

Unit – IV	Creativity and Imagination
Listening to short (2 to 5 minutes) academic videos (prepared by EMRC/ other MOOC videos on Indian academic sites – E.g. https://www.youtube.com/watch?v=tpvicScuDy0) Speaking: Making oral presentations through short films – subject based Reading : Essay on Creativity and Imagination (subject based) Writing – Basic Script Writing for short films (subject based) -Creating blogs, flyers and brochures (subject based) -Poster making – writing slogans/captions (subject based)	

Unit – V	Workplace Communication & Basics of Academic Writing
Speaking: Short academic presentation using PowerPoint Reading & Writing: Product Profiles, Circulars, Minutes of Meeting, Writing an introduction, paraphrasing Punctuation (period, question mark, exclamation point, comma, semicolon, colon, dash, hyphen, parentheses, brackets, braces, apostrophe, quotation marks, and ellipsis) Capitalization (use of upper case)	

TEXT BOOK

1	Professional English For Life Sciences II–TANSICHE
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REFERENCE BOOK


1	A Handbook of English for Engineers and Technologists, BS Publications, Elish P, 2003.
2	English for Professionals, Vayu Education of India, Dr.Sheema Miglani & Shikha Goyal, 2010.
3	Business English, Tata McGraw-Hill Edition, Dona J.Young, 2012

WEB RESOURCES

	https://www.classcentral.com/course/swayam-business-english-communication-10097
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Course Designed By	Verified By	Approved By HOD
Ms.R.S.Cindhu	Dr.N.Sangeetha	Dr.S.Manjula

QUESTION PAPER PATTERN

Time: 3 hours SECTION-A (10 X 1 = 10 Marks) (MCQ, Info-gap questions – domain specific vocabulary) 	Max. Marks: 50 SECTION-B (4 X 10 = 40 Marks) (Reading : Two long domain specific comprehension passages with questions pertaining to understanding and analysis – 20 Marks) (Writing: Descriptive/narrative/persuasive writing questions pertaining to domain-specific vocabulary – 20 Marks)
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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
CO 1	S	S	S	M	M	M	S	S	S	M	M	S
CO 2	S	S	S	S	M	M	S	S	S	M	M	S
CO 3	S	S	S	M	M	M	S	S	S	S	S	S
CO 4	S	S	S	S	M	M	S	S	S	S	M	S
CO 5	S	S	S	M	M	M	S	S	S	S	S	S

S-Strong, M-Medium, L-Low

[Signature]

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Sem	Course code	CORE IV FIBRE TO FABRIC	Total Marks:100		Hours Per Week	Credits
II	21UASCT202			CIA : 50	ESE :50	5

Course Objectives:

1. To enable the students to learn about various types of fibres and its applications
2. To understand the concepts of yarn formation
3. To impart knowledge on various fabric formation methods

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

CO 1	Identify the properties of fibres, yarns and fabrics	K1 - K4
CO 2	Classify the textile fibres, yarns and fabrics	
CO 3	Examine the yarn count	
CO 4	Outline the working principle involved in spinning	
CO 5	Explain the various methods of fabric formation	

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

Unit –I : Introduction to textile fibres

Textiles – Introduction - Classification of fibres - natural and manmade fibres - primary and secondary characteristics of textile fibres. Identification of textile fibres- Microscopic test, Burning test and Solubility test

Unit – II : Manufacturing process of fibres

Manufacturing process, physical, chemical, thermal and biological properties and uses of natural fibres - cotton, linen, jute, pineapple, hemp, silk, wool, hair fibres and manmade fibres - rayon and its types, nylon, polyester and acrylic.

Unit – III : Yarns



Yarn – Definition Yarn numbering systems. Spinning – sequence of process, objectives and working principle of blow room, carding, drawing, combing, roving and ring spinning. Yarn classification – Simple yarns and Fancy yarns.



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Unit – IV :	Woven and knit fabrics
Weaving – Basic weaves- plain, twill and satin. Fancy weaves- pile, double cloth, leno, swivel, dobby and Jacquard. Knitting - Basic weft knit and warp knit structures. Comparison of weaving and knitting.	
Unit – V :	Decorative fabric formation
Nonwovens - principle of web formation and bonding. Felt fabric formation. Decorative fabric formation methods - braiding- netting- crocheting and tatting.	
TEXT BOOK	
1	Textiles – Fibre to Fabric, Corbmann B.P, International student’s edition, McGraw Hill 2 Book Company, Singapore (1985)


REFERENCE BOOKS		
1	Nonwovens- Process, Structure, Properties and Applications, T.Karthik, Prabhakaran.C, Rathinamoorthy.R, Woodhead Publishing Ltd. (2017)	
2	Textile Mechanisms in Spinning and Weaving Machines, Ganapathy Nagarajan, Woodhead Publication Ltd., New Delhi (2014).	
3	Textile Science, Gohi, CBS Publisher and Distributors, New Delhi (2005).	
4	Introduction to Textiles- Kanwar Varinder Pal Singh, Kalyani Publishers, NewDelhi, (2004).	
Web Resources		
1	https://www.textileadvisor.com/2019/07/textile-fibre-classification-chart-and.html?m=1	
2	https://onlinecourses.swayam2ac.in/cec19_te01/preview	
Course Designed By	Verified By	Approved By HOD
Dr.S.Manjula	Dr.N.Radhika	Dr.S.Manjula

 <p>10 Marks (Multiple choice, Four options) Two questions from each unit</p>	QUESTION PAPER PATTERN	
	SECTION – B 5 x 5 = 25 Marks (Either or choice) Two questions from each unit	 <p>Dr. N. RAMAN PRINCIPAL, KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) NANJANAPURAM, ERODE - 638 107.</p> SECTION – C 5x8 = 40 Marks (Either or choice) Two questions from each unit


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

S-Strong, M-Medium, L-Low


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Sem	Course code	CORE PRACTICAL II FIBRE TO FABRIC	Total Marks:100		Hours Per Week	Credits
II	21UASCP203			CIA : 50	ESE :50	3

Course Objectives:

1. To enable the students to identify various types of fibres
2. To understand the concepts of yarn count and twist
3. To impart knowledge on various fabric parameters

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

CO 1	Identify the textiles fibres using different techniques	K1 - K4
CO 2	Evaluate the yarn count	
CO 3	Assess the level of twist imparted to yarn	
CO 4	Measure fabric count and weight	
CO 5	Analyze the fabric's dimensional parameters	

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

Unit – I : Identification of textile fibers

Fibers – cotton, silk, wool, nylon, polyester, linen, rayon, jute

Microscopic method

Flame test

Chemical test

Unit – II : Testing of yarn count

Count of the yarn using Wrap Reel

Count of the yarn using Beesley's Balance

Unit – III : Testing of yarn twist

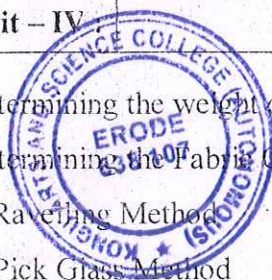
Twist of the Yarn using Twist Tester

Unit – IV : Testing of fabric count and weight

Determining the weight of the fabric by Quadrant scale

Determining the Fabric Count by

- a. Ravelling Method
- b. Pick Glass Method




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Unit – V :	Testing of dimensional parameters of fabric
Test of Shrinkage	
Test of Absorbency	

REFERENCE BOOKS	
1	Identification of Textile Fibres, Edited by Max.M.Houck, Woodhead Publishing Ltd., New Delhi (2009)
2	Introduction to Textiles, Kanwar Varinder Pal Singh, Kalyani Publishers, New Delhi (2004).
3	Textiles – Fibre to Fabric, Corbmann: B.P, International student's edition, McGraw Hill 2 Book Company, Singapore (1985).
4	Fabric Science -5 th edition, Joseph J Pizzuto, Fairchild Publications, Newyork (1980).

Course Designed By	Verified By	Approved By HOD
Dr.S.Manjula	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	S	M	M	L	M	M	S	L	M	L	S	L
CO2	S	S	M	L	M	L	S	L	L	M	S	L
CO3	S	M	M	L	L	L	S	L	M	M	S	L
CO4	S	S	M	L	L	L	S	M	M	M	S	L
CO5	S	S	M	L	S	L	S	M	L	S	S	L

S-Strong, M-Medium, L-Low



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Sem	Course code	ALLIED II APPAREL PRODUCTION TECHNIQUES	Total Marks:100		Hours Per Week	Credits
II	21UASAT204		CIA :50	ESE :50	4	3

Course Objectives:

1. To learn the process flow in apparel industry
2. To impart skills in apparel production process
3. To understand the concepts of quality control in production process

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

CO 1	Analyze the infrastructure facilities needed for starting an industry	K1 - K4
CO 2	Outline the pre-production processes of garment manufacturing	
CO 3	Assess the concepts of marker making and spreading	
CO 4	Develop knowledge on various production operations	
CO 5	Evaluate knowledge on finishing processes and quality control measures	

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

Unit –I :

Apparel Industry Growth and Infrastructure

Origin and Growth of Apparel Industry; Apparel industry infrastructure: Factors to be considered in selection of land - Government regulations for plant layout, Labour - Recruitment of labours - Criteria for employee selection; Capital - fixed and working capital; Selection of machinery.

Unit – II :

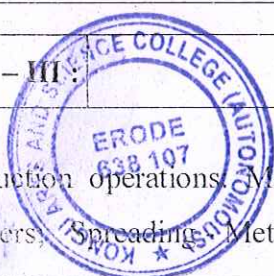
Pre- production Processes

Process flow in garment manufacturing unit; Apparel production methods: Designing - Design Studio, responsibilities of a designer; Sampling – production of sample garment, sample summary sheet; Costing – components of garment costing, costing sheet and common methods of reducing cost; Fabric Store Department.

Unit – III :

Preparation for Cutting

Production operations: Marker Planning - Efficiency of marker plan – Methods of duplicating markers, Spreading: Methods of spreading: Spreading by hand and travelling machine.

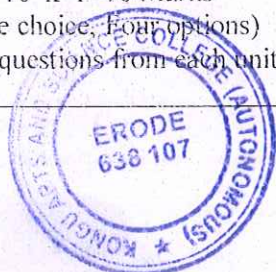


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Unit – IV :	Production Operations
Cutting Methods: Hand shears - Straight knife - Round knife - Band knife - Computer controlled cutting knife - Die cutting - Minor methods of cutting - Position markers; Bundling; Sewing section: Seams and its types, feed system, needle and thread selection.	
Unit – V :	Quality Control
Finishing- pressing, trimmings and accessories in garment manufacturing- Inspection - flow chart, types and selection of inspectors; Quality control process in various departments; Packaging.	
TEXT BOOK	
1 The Technology of Clothing Manufacture, 2 nd Edition, Harold Carr and Barbara Latham, Blackwell Science Ltd., London (2015).	

REFERENCE BOOKS		
1	Apparel Manufacturing, Glock.E, Grace.L, Dorling Kindersley Pvt. Ltd., India (2012).	
2	Inside the Fashion Business, Kitty G.Dickerson, Pearson Education Pvt. Ltd., India (2005).	
Web Resources		
1	https://nptel.ac.in/courses/116/102/116102019/	
2	https://ncert.nic.in/textbook/pdf/lehe203.pdf	
Course Designed By	Verified By	Approved By HOD
Dr.N.Radhika	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 5 = 25 Marks (Either or choice) Two questions from each unit	5x8 = 40 Marks (Either or choice) Two questions from each unit



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

S-Strong, M-Medium, L-Low

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Sem	Course Code	Foundation Course – II: Value Education	Total Marks: 50		Hours Per Week	Credits
II	21VE01		CIA : -	ESE :50	2	2

Course Objectives:

1. To inculcate human values in the minds of students.
2. To introduce the different types of rights, duties and the glimpses of Indian Constitution to the students.
3. To sensitize students on various gender issues and to bring about value change.

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

CO 1	Identify the values to be adopted in their personal, Professional and social life.	K1 – K4
CO 2	Develop personality and social cohesion through various skills inculcated.	
CO 3	Construct co-ordinal relationship with the family members.	
CO 4	Identify the challenges and uncertainties of the dynamic environment and empowered to confront them with clarity, courage and composure.	
CO 5	Buildup social sense and commitment and to discriminate social evils from virtues.	

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

Unit –I | Role of Value-Based-Education in Society and the Salient values for life

Introduction- Goal of Education -Value Education or Value-Based Education-Concept of Values-Definitions of Values- Role of Value-Based-Education in Society- Values and Ethics

Value Education - its purpose and significance in the present world – Value system

Salient values for life - Truth, commitment, honesty and integrity, forgiveness and love, empathy and ability to sacrifice, care, unity , and inclusiveness, Self esteem and self confidence, punctuality.

Unit – II | The Art of Nurturing Soft Skills



Time, task and resource management – Problem solving and decision making skills- Interpersonal and Intra personal relationship – Stress Management – Team work – Positive and creative thinking.

Unit – III | Harmony in Family

Family values - Components, structure and responsibilities of family - Non-visualization of anger - Adjustability – Threats of family life - Caring for needy and elderly – Time allotment for sharing ideas and concerns.




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Unit – IV	Youth Empowerment	
The significance of youth period – Autonomy Versus dependence – Feeling of Inferiority – Vocational Problems – Social discrimination – Peer Group Influence.		
Unit – V	Social Values, Etiquettes and Handling Social Evils	
Faith, Service and Secularism - Social Sense and Commitment - Gender Equity - Students and Politics - Social Awareness, Social Etiquettes, Consumer Awareness, Consumer Rights and Responsibilities - Redressal Mechanisms.		
Corruption, Cyber crime, Terrorism – Alcoholism, Drug addiction – Dowry – Domestic violence.		
TEXT BOOK		
1	VALUE EDUCATION Compiled and Edited by Dr. V.Krishnaveni, Dr. K.G. Santhiya and Dr. V. Anbumani, Published by Kongu Arts and Science College, Erode, 2018 (UNIT 1 – UNIT 5)	
2	VALUE EDUCATION : NEED OF THE HOUR, Dr. Yojana Yatin Patil, , Published by Pasaaydaan Foundation, 2015 (UNIT I)	
REFERENCE BOOKS		
1	S.Ignacimuthu , “ Values for Life - Better Yourself Books”, Mumbai, 1991.	
2	Shiv Khera, “You Can Win”, Macmillan Publishers India Ltd, Revised Edition, 2010.	
Web Resources		
1	https://harappa.education/harappa-diaries/social-etiquette (UNIT V)	
Course Designed By	Verified By	Approved By HOD
Dr.V.Krishnaveni	Dr.K.G.Santhiya Dr.V.Anbumani	Dr. S.Manjula
QUESTION PAPER PATTERN		
SECTION – A		
	100 X ½ = 50 Marks	
	Answer ALL the questions	
	Multiple Choice Questions	
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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
CO 1	S	S	S	S	S	S	S	S	S	S	M	S
CO 2	M	S	S	M	S	M	S	S	S	S	M	S
CO 3	M	S	S	M	S	M	S	M	M	M	L	M
CO 4	S	S	S	S	S	M	S	S	S	S	M	S
CO 5	S	M	S	S	S	S	S	S	S	S	M	S

S-Strong, M-Medium, L-Low


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Sem	Course Code	CORE PAPER - IV FIBRE TO FABRIC	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE: 75	6	
III	17UASCT301					5

OBJECTIVES:

- To enable the students to learn about various types of fibres and its applications
- To understand the concepts of yarn formation
- To impart knowledge on various fabric formation methods

COURSE OUTCOME:

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

- CO1 Identify and classify the different types of fibres
 CO2 Explain the manufacturing process and properties of various fibres
 CO3 Understand the process of spinning
 CO4 Classify yarns and analyse its attributes
 CO5 Elaborate the various fabric formation methods

UNIT – I

Textiles – Introduction - Classification of fibres – natural and manmade fibres– primary and secondary characteristics of textile fibres. Identification of textile fibres- Microscopic test, Burning test and Solubility test.

UNIT II

Manufacturing process, properties (physical, chemical, thermal and biological) and uses of natural fibres – cotton, linen, jute, pineapple, hemp, silk, wool, hair fibres and manmade fibres – rayon and its types, nylon, polyester and acrylic.

UNIT III

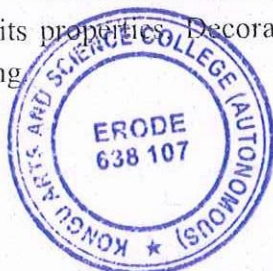
Spinning – sequence of process, objectives and working principle of blow room, carding, drawing, combing, roving and ring spinning. Open end rotor spinning system.

UNIT IV

Yarn – definition - Yarn numbering systems – Direct and indirect system of yarn count. Yarn twist. Classification of yarns – Simple yarns, Fancy yarns and Textured yarns.

UNIT V

Basic fabric formation methods – Woven, Knitted and Nonwoven fabrics. Felt fabrics and its properties. Decorative fabric formation methods - braiding- netting- crocheting and tating



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TEXT BOOK:

- Textiles – Fibre to Fabric, Corbmann B.P, International student's edition, McGraw Hill 2 Book Company, Singapore 1985.

BOOKS FOR REFERENCE:

1. Handbook of Nonwovens- Edited by R J Russell, Woodhead Publishing Ltd, England, 2007.
2. Introduction to Textiles- Kanwar Varinder Pal Singh, Kalyani Publishers, NewDelhi, 2004.
3. Knitting Technology- B.Ajgoankar, Universal Publishing Corporation, Mumbai, 1998.
4. Fabric Science -5th edition, Joseph J Pizzuto, Fairchild Publications, Newyork ,1980.

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 - V INDIAN ART AND COSTUMES	Total Marks : 100		Hours Per Week	Credits
III	17UASCT302		CIA : 25	ESE: 75	6	5

OBJECTIVES:

- To impart knowledge on Indian textiles of previous centuries
- To understand the influence of design, symbolism of motifs and colours used in India
- To enhance the knowledge on jewellery and various kinds of embroideries of India

COURSE OUTCOME:

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

- CO1 Classify the Indian art and paintings
- CO2 Summarize about the lifestyles of ancient India
- CO3 Analyze the traditional costumes of ancient periods
- CO4 Distinguish the factors affecting the costumes and jewellery of various states
- CO5 Interpret the role of textiles and surface designs as a source of inspiration for new design developments

UNIT -I

Art and Aesthetics –Definition of art – the various kinds of Art – Visual, Plastic, Folk and Popular Art - Classification of Indian art- Painting and Sculpture. Indian Paintings - Steps involved in making of paintings -Kalamkari, Madhubani, Pithoro, Tanjore, Raga Maliga and Warli art.

UNIT-II

Indian sculpture – Major sources for Indian costume -Sculptures of Mahabalipuram, Indian Marble sculptures, Ajanta and Ellora Caves, Sculpture of Sanchi and Sarnath.

UNIT-III

Study of Indian costumes and their jewellery during the following periods-Indus valley - Mauryan and Sunga period - Gupta period - Mughal period - British period. Temple jewellery of South India. Study of precious Gems and Stones.

UNIT-IV

Study of traditional textiles of India - Bhandhani, Patola, Ikkat, Dacca Muslin, Banarasi/Chanderi brocades Kashmir shawls, Pochampalli, silk sarees of Kanchipuram; Study of Traditional Embroideries of India – Kashidha of Kashmir, Phulkari of Punjab, Rohen



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embroidery of Gujarat, Embroidery of Rajasthan, Kasuti of Karnataka, Chickankari work of Lucknow, Kantha of Bengal.

UNIT-V

Traditional Costumes of different States of India –Men's and Women's costumes -Tamil Nadu, Andhra Pradesh, Karnataka, West Bengal, Assam, Nagaland, Maharashtra, Rajasthan, Gujarat, Jammu and Kashmir, Punjab and Haryana.

TEXT BOOK:

- Traditional Indian Costumes and Textiles, Dr. Parul Bhatnagar, Abhishek Publications, Chandigarh (2004).

BOOKS FOR REFERENCE:

1. Costumes and Textiles of Royal India, Ritu Kumar, Christie's Books, Bombay (2006).
2. Costumes of India and Pakistan , Dar S.N, D.B, Taraporeala Sons & Co, Bombay, (1958).
3. Indian Costumes – Ghurye.G.S,Popular Prakashan Pvt Ltd,India (1995)
4. Indian Jewellery – M.L.Nigam. Roli Books Publications, New Delhi (1999).


BOOKS FOR REFERENCE:

1. Costumes and Textiles of Royal India, Ritu Kumar, Christie's Books, Bombay (2006).
2. Costumes of India and Pakistan , Dar S.N, D.B, Taraporeala Sons & Co, Bombay, (1958).
3. Indian Costumes – Ghurye.G.S,Popular Prakashan Pvt Ltd,India (1995)
4. Indian Jewellery – M.L.Nigam. Roli Books Publications, New Delhi (1999).

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 - IV FIBRE TO FABRIC	Total Marks : 100		Hours Per Week	Credits
			CIA : 40	ESE: 60		
III	17UASCP303				4	3

OBJECTIVES:

- To enable the students to identify various types of fibres
- To understand the concepts of yarn count and twist
- To impart knowledge on various fabric parameters

COURSE OUTCOME:

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

- CO1 Identify the different types of fibres
- CO2 Determine the yarn count
- CO3 Describe the methods of fabric testing
- CO4 Demonstrate the handling of testing equipments
- CO5 Examine the fabric count by using various techniques

LIST OF EXPERIMENTS:**1. Identification of Textile Fibers**

Fibers – cotton, silk, wool, nylon, polyester, linen, rayon, jute

- Microscopic method
- Flame test
- Chemical test

2. Testing of yarns

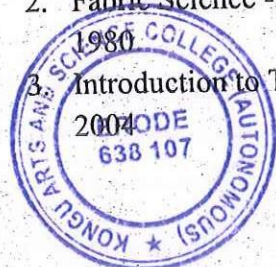
- Count of the yarn using Wrap Reel
- Count of the yarn using Beesley's Balance
- Twist of the Yarn using Twist Tester

3. Testing of fabrics

- Determining the weight of the fabric by Quadrant scale
- Determining the Fabric Count by
 - a. Ravelling Method
 - b. Pick Glass Method
- Test of Shrinkage
- Test of Absorbency

BOOKS FOR REFERENCE:

1. Textiles – Fibre to Fabric, Corbmann . B.P, International student's edition, McGraw Hill 2 Book Company, Singapore 1985.
2. Fabric Science -5th edition , Joseph J Pizzuto , Fairchild Publications, Newyork,



3. Introduction to Textiles- Kanwar Varinder Pal Singh, Kalyani Publishers, NewDelhi,

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Sem	Course Code	ALLIED - III	Total Marks : 100		Hours Per Week	Credits
		CAD IN FASHION DESIGNING PRACTICAL – II	CIA : 40	ESE: 60	6	
III	17UASAP304					4

OBJECTIVES:

- To enable the students to learn a complete graphic design program
- To educate the students with new and enhanced features used in the software
- To design various garments using designing software

COURSE OUTCOME

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

- CO1 Illustrate accurate representations of garment technical information for communication purposes
- CO2 Construct digital files using appropriate processes and techniques
- CO3 Design and produce basic visual communication material
- CO4 Apply a variety of digital software for visual communication of fashion ideas
- CO5 Develop designs using color harmony

LIST OF EXPERIMENTS:**1. Application of colour harmony in dress design**

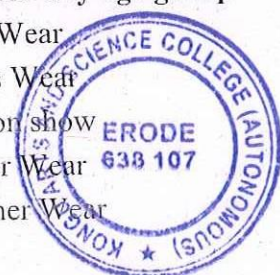
- Monochromatic colour harmony
- Analogous colour harmony
- Complementary colour harmony
- Double Complementary colour harmony
- Split complementary colour harmony
- Triad colour harmony
- Tetrad colour harmony
- Neutral colour harmony

2. Applications of principles of design in dress design

- Balance
- Rhythm
- Emphasis
- Proportion
- Harmony

3. Design garments for any age group

- Party Wear
- Sports Wear
- Fashion show
- Winter Wear
- Summer Wear



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4. Prepare pattern and grading for the following

- Basic bodice block - front
- Basic bodice block - back
- Basic sleeve
- Basic skirt

5. Prepare marker planning for the following patterns

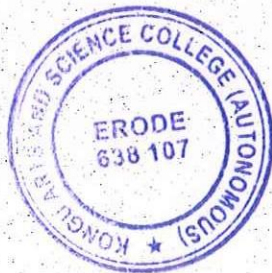
- Basic bodice block - front
- Basic bodice block - back
- Basic sleeve
- Basic skirt

REFERENCES :

Using any designing software Tutorials.



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Sem.	Course Code	SKILL BASED - I DRAPING TECHNIQUES PRACTICAL	Total Marks : 75		Hours Per Week	Credits
			CIA : 30	ESE: 45		
III	17UASSP305				6	3

OBJECTIVES:

- To introduce the art of draping and to acquaint with the basic principles of draping
- To enable students to create their designs on a three dimensional form using draping method
- To develop the skill and ability to design and develop patterns by trueing for different garments

COURSE OUTCOME:

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

- CO1 Develop three dimensional designs on the dress form in basic style
- CO2 Modify the basic bodice pattern into stylized garments.
- CO3 Design various kinds of fullness in draping
- CO4 Create different types of skirts, yokes and collars
- CO5 Develop new apparel designs on the dress form

LIST OF EXPERIMENTS:

1. Introduction to draping and dress forms. Draping basic front and back.
2. Bodice variation – Neckline variation, Armhole variation, Waistline variation, and Dart manipulation- French Dart , Flange Dart, Neck line Dart, Bust line dart, and Armhole dart,
3. Draping Basic Skirt and its variation – Pleated skirt, Flared skirt. Draping fullness – Cowl and Flounces
4. Draping yokes - Shirt yoke, Midriff yoke, Hip yoke. Draping collars – Peter pan, Mandarin, Shirt collar.
5. Garment draping –Drape garments in dress forms using the above components..

BOOKS FOR REFERENCE:

1. The Art of Fashion Draping – Connie Amaden, Craw Ford, OM books International, New Delhi (2005).
2. Draping for Fashion Design – Hilde Jaffe & Nurie Relis, Prentice Hall Inc., USA (2000).
3. The Theory of Fashion Design, Brockman, Magriha, John Wiley Sons, New York (2008).
4. Design through Draping, Sheldon, Marhta, Burgers Publishing company, Minneapolis, USA (2004).
5. Modern Pattern Design, Popin, Hariet, Funk and Wagnalls, New York and London (2012)



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Sem.	Course Code	Non – Major Elective – I தமிழர் ஆடைகள்	Total Marks : 100		Hours per Week	Credits
			CIA : 0	ESE : 75		
III	19UAUNT305				2	2

நோக்கம்

- பழந்தமிழர் வாழ்வியலில் ஆடைகள் பயன்படுத்தப்பட்ட வரலாற்றை அறியச் செய்தல்.
- தமிழர்கள் பல்வேறு சொற்களின் பெயரில் ஆடைகளை அழைத்து பயன்படுத்தியமையை உணரச் செய்தல்.
- அரசர் முதல் பொதுமக்கள் வரையிலான மக்கள் உடுத்திய உடை முறையை அறியச் செய்தல்.
- தமிழர்கள் பிறப்பு முதல் இறப்பு வரை மேற்கொள்ளும் சடங்குகளில் ஆடை பயன்படுத்தப்பட்ட நிலையை அறியச் செய்தல்.
- ஆடைகளை உருவாக்க பயன்படுத்தப்பட்ட தொழில் முறைகளை அறியச் செய்தல்.

கற்றலின் விளைவுகள்

- CO1 பழந்தமிழர் வாழ்வியலில் ஆடைகள் பயன்படுத்தப்பட்ட வரலாற்றை அறிய உதவும்.
- CO2 தமிழர்கள் பல்வேறு சொற்களின் பெயரில் ஆடைகளை அழைத்து பயன்படுத்தியமையை அறிதல்.
- CO3 அரசர் முதல் பொதுமக்கள் வரையிலான மக்கள் உடுத்திய உடை முறையை அறிந்து கொள்ள உதவும்.
- CO4 தமிழர்கள் பிறப்பு முதல் இறப்பு வரை மேற்கொள்ளும் சடங்குகளில் ஆடை பயன்படுத்தப்பட்ட நிலையை அறிய உதவும்.
- CO5 ஆடைகளை உருவாக்க பயன்படுத்தப்பட்ட தொழில் முறைகளை அறிந்து கொள்ள உதவும்.

இயல் 1 ஆடையின் தோற்றம்

விளக்கம் - மூலப்பொருட்கள் - முதலாடை - ஆடை வரலாறு

இயல் 2 ஆடை பற்றிய சொல் பயன்பாடு

நாருடை - துகில் - கலிங்கம் - தாணை - மடி - பட்டு - கச்சை - கட்டு - போர்வை - கவசம்

இயல் 3 பழந்தமிழர் உடைகள் உடுத்திய முறை



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அரசர் - போர்வீரர்கள் - காவலர்கள் - முனிவர் - துறவியர் - பொதுமக்கள் -
புலவர் - மகளிர் - அரசியர்

இயல் 4 ஆடையும் சடங்குச் சூழலும்

பிறப்பு - மணம் - மரணம் - உறவினர் ஆடை

இயல் 5 ஆடையும் தொழிலும்

மூலப்பொருட்கள் - நூல் நூற்றல் - நெய்தல் - வெளுத்தல் - மிளிர்ச் செய்தல் -
தைத்தல் - வணிகம்

பாட நூல்:

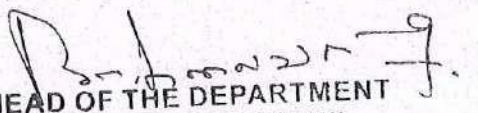
1. தமிழர் ஆடைகள் - கு. பகவதி, உலகத் தமிழாராய்ச்சி நிறுவனம், தரமணி, சென்னை.

QUESTION PAPER PATTERN


SECTION - A

5 x 15 = 75 Marks

(Either or choice) Two questions from each unit


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Sem	Course Code	CORE PAPER - VI FABRIC STRUCTURE AND DESIGN	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE: 75		
IV	17UASCT401				6	5

OBJECTIVES:

- To impart basic knowledge about woven fabrics
- To enable the students to identify various weave structures
- To educate on the elements of woven design

COURSE OUTCOME:

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

- CO1 Identify and classify the different structures of woven design
- CO2 Illustrate draft and peg plan for a given design of a woven fabric
- CO3 Construct basic weaves and their derivatives
- CO4 Construct fancy weaves for toweling, ornamentation and upholstery applications
- CO5 Identify the relationship between the fabric structure and its properties

UNIT -I

Elements of woven design, Methods of fabric representation, weave repeat unit, draft and lifting plan; Construction of elementary weaves –Plain weave and its modifications, Twill weave and its modifications, Satin and Sateen weaves –their derivatives.

UNIT-II

Ordinary Honeycomb weave ,Brighten Honey comb weave, Huck –a-back weave: Crepe weave - Construction upon sateen base, Combination of floating weave with plain threads, Reversing of small motif and Insertion of one weave over another; Mock leno weave - Perforated fabric and Distorted thread effect.

UNIT-III

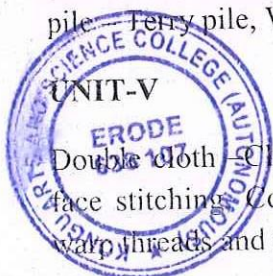
Extra warp and Extra weft figuring –Single and two colours, Comparison between Extra warp and Extra weft figuring; Backed fabrics – Warp backed and Weft backed fabrics, Comparison between Warp backed and Weft backed fabrics.

UNIT-IV

Pile fabric – Formation of pile –Weft pile – Plain back velveteen, Twill back velveteen, Weft plush, Corduroy– Length and Density of pile in velveteens, Fast pile structure ; Warp pile –Ferry pile, Wire pile.

UNIT-V

Double cloth – Classification, Self stitched Double cloth – Face to back stitching, Back to face stitching, Combination stitching; Centre stitched Double cloth –Stitching with center warp threads and Stitching with center weft threads.



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TEXT BOOK:

- Fabric Structure and Design, N.Gokarnesan, New Age International (P) Limited, New Delhi (2004).

BOOKS FOR REFERENCE:

1. Watsons Textile Design and Colour. Z J Grosicki, Woodhead Publishing Limited, England (2004).
2. Watsons Advanced Textile Design, Z J Grosicki, Woodhead Publishing Limited, England (2004).
3. Textiles – Fibre to Fabric, Corbman B P , International Student' s Edition, McGraw Hill Book Co., Singapore (1985).

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		Hours Per Week	Credits
		CARE AND MAINTENANCE OF TEXTILES			
IV	17UASCT402	CIA : 25	ESE: 75	6	4

OBJECTIVES

- To enable the students to learn the practical aspects of laundering.
- To equip the students with the knowledge on handling laundry equipments
- To impart knowledge on care labels

COURSE OUTCOME:

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

- CO1 Understand the manufacturing process of soap, detergents and their applications
- CO2 Develop skills in preparation of starch and its applications
- CO3 Build knowledge on various laundry and drying equipments
- CO4 Analyze various stages of laundering of natural and manmade fabrics
- CO5 Identify the stain types and to apply suitable stain removable treatment process

UNIT-I

Water- hard and soft water, types of hardness, methods of softening water. Laundry soaps – Manufacture of soap - Hot and cold process. Composition of soap, criteria for good soap, types of soap, drawback of soaps. Detergents- definition, soap less detergents, chemical action. Detergent powder manufacture process- active ingredients, advantages of modern detergents.

UNIT-II

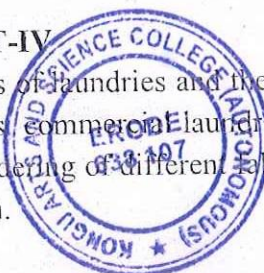
Finishes – classification of Stiffening agents, Starch - kinds of starch, starch preparation- cold water and hot water method, other types of stiffening agents. Optical whiteners - Laundry blues, fluorescent brightening agents. Bleaches- definition and types. Indigenous cleaning agents.

UNIT-III

Laundry equipment – for storage, steeping and washing, mechanical washing aids- suction washer, cloth wringer, wash boiler, washing machine and latest trends in washing machine. Equipments in institutional and commercial laundries - washer cum centrifuge and extractors, hydroextractors. Drying equipments – outdoor and indoor types. Driers- types. Irons and ironing board – types of iron (box, flat, automatic, steam iron). Ironing board - different types.

UNIT-IV

Types of laundries and their functions- home laundries, institutional laundries, hospitals, and hotels, commercial laundries. Principles of washing – washing by kneading and squeezing, Laundering of different fabrics – cotton and linen, woollens, coloured fabrics, silk and nylon.



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UNIT-V

Special types of Laundry – water proof coats, silk ties, leather goods, furs, plastics, lace. Dry cleaning – using absorbents, using grease solvents and dry cleaning machine. Storing – points to be noted. Stain removal – blood, food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, chewing gum, tar, and turmeric and kum- kum. Care labels – washing, bleaching, Drying and ironing

TEXT BOOKS:

1. Fundamentals of Textiles and their Care (Fifth Edition) - Susheela Dantiyagi , Orient Longman Ltd Hyderabad , India (2002). (Unit – I,III and V)
2. Fabric Care – Noemia D’Souza, New Age International (P) Ltd Delhi (1998). (Unit – II and IV)

BOOKS FOR REFERENCE:

1. The text book of textile and laundry- Tripti Mishra, Ritu Publications, Jaipur India (2012)
2. Art of cloth washing- Meenakshi Rastogi, Sonali Publications, New Delhi (2009)
3. Cloth Washing and Ironing – Meenakshi Rastogi, Sonali Publications, New Delhi (2009)
4. Clothing Care and Repair – Singer, Cy DeCosse Incorporated, Minnetonka (1995).
5. Removing Stains – Cassandra Kent, Dorling Kindersley, London (1997).

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 - V WOMEN'S APPAREL	Total Marks : 100		Hours Per Week	Credits
IV	17UASCP403		CIA : 40	ESE: 60	6	4

OBJECTIVES:

- To learn the concepts of drafting and paper patterns
- To impart knowledge about taking body measurements
- To familiarize the students with the concepts of garment construction

COURSE OUTCOME:

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

- CO1 Create an understanding of concepts of pattern making
- CO2 Experiment with taking of correct body measurements
- CO3 Identify the materials suitable for Women's garments
- CO4 Design the garments with application of different seams and fullness
- CO5 Develop their skills in garment construction


LIST OF EXPERIMENTS:


1. Plain Salwar/ Churidhar –with cord attached at waist line.
2. Kameez – with slit, with /without placket opening, fashioned neck, with sleeves.
3. Nightie – full length, with yoke, front or back opening, with sleeves.
4. Maxi– Bodice and Skirt attached, with collar, with sleeves.
5. Circular Skirt – with tape or elastic waist band.
6. Saree Blouse – front or back open, waistband at front, with sleeves.
7. Ladies shirt– with or without collar, with darts, with sleeves.
8. Kitchen Apron – with pocket, strap attached.

BOOKS FOR REFERENCE:

1. Zarapkar System of Cutting – K.R.Zarapkar and Shri Arvind K.Zarapkar, Navneet Publications Ltd., Gujarat , 2014.
2. Practical Clothing Construction – Part I and II, Mary Mathews, Cosmic Press Chennai, 2012.
3. Cutting and Tailoring Practicals Part 2 - Anwani, Eshwari and Hans, Lakhraj, Published by R.B. Publications, Delhi.2000.
4. Master Patterns and Grading for Women's Outsizes, Gerry Cooklin, Blackwell Science Ltd., Germany, 1995.




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Sem	Course Code	ALLIED - IV CAD IN FASHION DESIGNING PRACTICAL - III	Total Marks : 100		Hours Per Week	Credits
IV	17UASAP404		CIA : 40	ESE: 60	5	3

OBJECTIVES:

- To enable the students to learn a complete graphic design programme
- To educate the students with new and enhanced features used in the software
- To create various effects using designing software

COURSE OUTCOME:

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

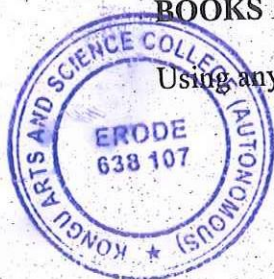
- CO1 Identify and use the appropriate tools for the designing process
- CO2 Design and develop their own photographs according to fashion forecast
- CO3 Create designs for making digital cards and posters
- CO4 Apply CAD software for creating fashion mood boards
- CO5 Develop their own colour palette for future fashion trend

LIST OF EXPERIMENTS:

1. Creating photo effects - I
 - i) Black and white effect
 - ii) Sketch effect
 - iii) Painting effect
 - iv) Rain effect
 - v) Rainbow effect
2. Creating photo effects - II
 - i) Light effect
 - ii) Paper and cloth effect
 - iii) Mixing photographs
 - iv) Photo mosaic effect
 - v) Text effect & 3D effect
3. Designing greeting cards, visiting cards and posters.
4. Creating theme related mood boards.
5. Developing one's own palette according to the fashion forecast.

BOOKS FOR REFERENCE:

Using any designing software Tutorials



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Sem	Course Code	SKILL BASED-II SURFACE ORNAMENTATION PRACTICAL	Total Marks : 75		Hours Per Week	Credits
			CIA : 30	ESE: 45		
IV	17UASSP405				5	3

OBJECTIVES:

- To impart basic skills in hand embroidery
- To learn and enrich the knowledge on traditional embroidery
- To inculcate the details of various fabric ornamentation techniques

COURSE OUTCOME:

- On successful completion of the course, the students will be able to
- CO1 Identify and use embroidery tools with safety precautions
 CO2 Classify the temporary and permanent stitches
 CO3 Develop garment parts with bead / sequin work
 CO4 Apply smocking and applique work in garments
 CO5 Differentiate and develop various traditional embroidery stitches and designs

LIST OF EXPERIMENTS:

1. Hand embroidery – Outline stitches, Filling Stitches, Decorative Stitches - (10 samples)
2. Traditional embroidery –Kashidha of Kashmir , Phulkari of Punjab, Kutch embroidery of Gujarat, Mirror work of Rajasthan.
3. Kantha of Bengal, Kasuti of Karnataka, Chickenkari work of Luck now, Chamba rumal of Himachal Pradesh .
4. Smocking – 3 types, Appliqué work (Hand/Machine),
5. Bead work, Zardosi, and Sequin work.

BOOKS FOR REFERENCE:

1. Traditional Embroideries of India – Shailaja D. Naik, A.P.H. Publishing Corporation , Delhi . (2012).
2. Embroidery – Gabi Tubbes ,Quadrille Publishing Ltd , London . (1995).
3. 100 Embroidery stitches – Anchor Embroidery Stitches, J.&P. coats Ltd , Bangalore (1981)
4. Needle Play – Erica Wilson, E. P. Charles Scribners Sons, Newyork (1975)



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Sem.	Course Code	Non – Major Elective – II காப்பியங்கள் உணர்த்தும் அறம் (இரட்டைக் காப்பியங்கள்)	Total Marks : 100		Hours per Week	Credits
			CIA : 0	ESE : 75		
IV	19UAUNT405				2	2

நோக்கம்:

- காப்பியங்களின் வழி தனிமனித ஒழுக்க நெறியினை அறியச்செய்தல்.
- காப்பியப் பின்புலத்தின் வழியே குடும்ப உறவுகளின் அவசியத்தை அறியச்செய்தல்.
- காப்பிய காலத்தின் சமூக வழக்கலாறுகளை அறியச் செய்தல்.
- காப்பியங்களின் மூலம் நீதி வழுவாத அரசியல் கருத்துக்களை உணர்த்துதல்.
- இரட்டை காப்பியங்களின் வழி அக்கால வாணிப முறையை அறியச் செய்தல்.

கற்றலின் விளைவுகள்:

CO1 தனிமனித ஒழுக்க நெறியினை அறிய உதவும்.

CO2 குடும்ப உறவுகளின் அவசியத்தை அறிய உதவும்.

CO3 சமூக வழக்காறுகளை அறிய உதவும்.

CO4 நீதி வழுவாத அரசியல் கருத்துக்களை அறிய உதவும்.

CO5 காப்பிய காலச் சூழலில் நிகழ்ந்த வாணிப முறையை அறிய உதவும்

அலகு - 1

தனிமனிதம்

அலகு - 2

குடும்பம்

அலகு - 3

சமூகம்

அலகு - 4

அரசியல்

அலகு - 5

வணிகம்



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பார்வை நூல்:

1. காப்பியத் தோற்றமும் வளர்ச்சியும் - முனைவர். இரா. காசிராசன், மதி பதிப்பகம், மதுரை.

QUESTION PAPER PATTERN

SECTION - A

5 x 15 = 75 Marks

(Either or choice) Two questions from each unit

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Sem	Course Code	ADVANCE LEARNERS COURSE- (A) TREND FORECASTING	Total Marks : 100		Hours Per Week	Credits
			CIA : -	ESE: 100		
IV	17UASAL407				-	2

OBJECTIVES:

- To choose the right forecasting technique
- To examine and understand how trends evolve and are interpreted by industry
- To determine the possible trends from the collected data and use the information to extrapolate what could happen in the future

COURSE OUTCOME:

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

- CO1 Identify the right method of forecasting
- CO2 Summarize the role of a fashion forecaster
- CO3 Elaborate the service and resources related to fashion
- CO4 Build the essential knowledge in qualitative and quantitative forecasting methods
- CO5 Determine the techniques in color forecasting

UNIT I

Trend forecasting- Introduction, Objectives. Importance of forecasting, Elements of forecasting, Principles of forecasting, Theories explaining forecasting, Steps in forecasting, Major areas of forecasting, Advantages and limitations in forecasting.

UNIT II

Fashion forecasting, Role of fashion forecaster, Long- term forecasting, Short- term forecasting. Direction of fashion change, Forecasting with Trend, Seasonality and Cycles, Time series and Trends, Constant pattern, Linear pattern. Role of internet in fashion forecasting

UNIT III

Fashion forecasting process, Activities. Market research- Consumer research, Shopping, Sales records, Evaluating the collections- Fashion trends, Trends for target markets, Colour forecasting, textile development and sales forecasting. Fashion services and resources- Collection reports, Trend reports, Consulting services, Fashion editing, Trade publications.

UNIT IV

Forecasting methods- Subjective approach- Qualitative methods, Objective approach- Quantitative methods. Fashion forecasting techniques- Delphi technique, Scenario writing, Subjective approach, Time-series forecasting. Forecast accuracy, Forecast error measures. Future of fashion forecasting



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UNIT V

Colour forecasting- Steps in Colour forecasting - Colour forecast reports. Dimensions of Colour, Colours in Marketing, Consumers and the Psychology of Colours. Forecasting with Colour Cycles, Colour Research, Sources for Colour Ideas and Palettes.


BOOKS FOR REFERENCE:

1. Krishnakumar.M, Apparel merchandising -An Integrated approach, Abhishek Publications, Chandigarh, (2010).
2. Evelyn L.Brannon, Fashion forecasting, Second Edition, Fairchild Publications Inc., New York, (2005).

QUESTION PAPER PATTERN		
Section A	Section B	Section C
10 x 2 = 20 Marks Answer any ten Questions Out of twelve	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3 x 15 = 45 Marks Answer any three Questions Out of five (One Question from each unit)


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Sem	Course Code	ADVANCED LEARNERS COURSE- (B)	Total Marks : 100		Hours Per Week	Credits
		APPAREL COSTING	CIA : -	ESE: 100	-	
IV	17UASAL408					2

OBJECTIVES:

- To educate the students about the stages of costing
- To understand the relationship of costs to pricing, volume, and profit
- To impart knowledge on garment costing

COURSE OUTCOME:

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

CO1 List and define the type of cost used in apparel industry

CO2 Describe the process involved in budgeting

CO3 Develop cost sheet for apparel industry

CO4 Calculate costing for woven and knitted products

CO5 Determine the market forces that affects garment costing

Unit – I

Principles of costing - requirements of good costing system - cost unit - types of costs - Elements of cost - direct material cost - direct expenses - direct wages - indirect materials - indirect expenses - indirect labour overheads - prime cost - work cost - cost of production - total cost.

Unit- II

Cost estimation of yarn, knitted fabric, dyeing, printing and finishing. Woven Fabric Costing: fabric types, yarn consumption, weaving price. Apparel costing sheet analysis. Cost estimation for cutting, stitching, checking, packing, forwarding, shipping, and insurance.

Unit - III

Estimation of factory cost for Woven & Knitted - vest, briefs , shorts, t-shirts, pyjamas, children's wear, ladies wear, Woven Shirt, Woven Tops & Bottom. Costing of trims and accessories. Various factors to be considered in costing for domestic products & international products

Unit - IV

Budgeting: The budgeting process: Budgeting principles for the apparel industry - Fixed vs. variable budget - Master budget - laminations of budgets - any justification effort - Planned Vs Actual Cost

UNIT-V

Determining Pricing of apparel products: Price elasticity of demand and supply, sample costing, marginal revenue and marginal cost, cost plus pricing methods: Full cost pricing, conversion cost pricing, differential cost pricing , variable costing, etc. derivation of cost of apparel products - woven/knits



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TEXT BOOK


- Apparel Costing, A functional Approach – Krishnakumar, M, Abishek Publications, Chandigarh, 2012

BOOKS FOR REFERENCE


1. Apparel Merchandising: The line starts here, *2nd Edition*, Jeremy A. Rosenau, David L. Wilson, Fair child Publications, Inc, New York, (2006).
2. Fashion from concept to consumer, Gini Stephens.F Person Education, South Asia, (2005).
3. S.P.Jain and KL. Narang, "Cost Accounting", Kalyani Publishers, New Delhi. Edn.2005
4. R.S.N. Pillai and V. Bagavathi, "Cost Accounting", S. Chand and Company Ltd., New Delhi. Edn.2004.

QUESTION PAPER PATTERN

Section A	Section B	Section C
10 x 2 = 20 Marks Answer any ten Questions Out of twelve	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3 x 15 = 45 Marks Answer any three Questions Out of five (One Question from each unit)


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Sem	Course Code	CORE PAPER - VIII KNITTING TECHNOLOGY	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE: 75		
V	17UASCT501				6	5

OBJECTIVES:

- To enable the students to learn about basics of knitting
- To impart knowledge on knit structures
- To understand the concepts of knit fabric formation

COURSE OUTCOME:

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

- CO1 Understand the basics of knitting and knit structures
- CO2 Summarize the characteristics and working principle of weft knitting
- CO3 Illustrate the structures of weft knitting
- CO4 Elaborate the working principle of warp knit structures
- CO5 Develop knowledge on maintenance of knit materials

UNIT - I

Knitting - Definition, History of knitting, Characteristics of knitted goods. Comparison of Weaving and Knitting. Types of knitting - Hand knitting and machine knitting. Terms and definitions used in knitting. Classification of warp and weft knitting machines.

UNIT - II

Weft knitting – Classification of weft knit structures. Parts of weft knitting machine. Characteristics of Plain, Rib, Purl and Interlock structures. Working of Single Jersey, Rib, Purl Interlock circular knitting machines. End uses of weft knit fabrics.

UNIT - III

Symbolic representation of Weft knit structures - Plain, Rib, Purl and knit structures. Effect of knit, tuck and float stitches on fabric properties. Jacquard knitting - Pattern wheel, Pattern drum, Tape patterning device, Electronic devices.

UNIT - IV

Warp knitting - Classification of Warp knit structures. Working of Tricot, Raschel, Simplex and Milanese knitting machines. End uses of warp knit fabrics.

UNIT - V

Yarn quality requirements for knitting. Defects in knitted fabrics - causes and remedies. Care and maintenance of knitted material – Blocking, Pressing, Damp finishing, Cleaning and Storing.



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TEXT BOOK:

- Knitting Technology, David Spencer, Woodhead publishing limited, England (2001).


BOOKS FOR REFERENCE:

1. Knitting Technology, D.B.Ajgoankar, Universal Publishing Corporation, Mumbai (1998).
2. Knitted Clothing Technology, Terry Brackenbury, Blackwell Science Ltd., Australia, (1992).
3. Textiles - Fibre to Fabric, Corbman B P , International Student's Edition, McGraw Hill Book Co., Singapore (1985).

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 TEXTILE PROCESSING	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE: 75		
V	17UASCT502				5	4

OBJECTIVES:

- To enable the students to learn the preparatory steps of processing
- To impart knowledge on various dyeing techniques
- To provide the details of different printing style

COURSE OUTCOME:

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

- CO1 Understand the sequence of textile processing
- CO2 Analyze various chemicals used in the preparatory and dyeing processes
- CO3 Understand the working of dyeing machineries
- CO4 Perceive knowledge on various principles of printing process
- CO5 State the methods of application of finishes

UNIT - I

Production sequence of textile fabrics - flowchart - brief description; Fabric Preparation - Singeing, Desizing, Scouring, Synthetic fiber heat setting, Wool carbonizing, Degumming and Weighting of silk.

UNIT - II

Bleaching - methods - Hypochlorite, Hydrogen peroxide, Sodium Chlorite; Mercerization - Chain type - Chainless Mercerization; Dyeing – classification, properties of dyes - direct, vat, reactive, acid, basic, sulphur dyes; Natural dyes - types and colours commonly used and its significance.

UNIT - III

Stages of dyeing - different methods - Fibre Dyeing - Methods - Stock Dyeing , Top Dyeing; Yarn Dyeing - Methods - Skein Dyeing , Package Dyeing, Warp Beam Dyeing; Fabric Dyeing - Open width Dyeing, Rope form Dyeing; Garment Dyeing - Methods - Exhaust Process, Continuous Process.

UNIT - IV

Printing - Definition - Preparation of printing paste; Styles of Printing - Direct Printing - Block, Roller, Rotary, Screen; Stencil printing; Resist printing - Batik, Tie and Dye printing; Discharge Printing; Heat Transfer printing; Digital printing.



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UNIT - V

Finishing – Types of finish: Mechanical finishes - Luster, Drape, Texture; Functional finishes - Wrinkle free finishes, Water Repellant, Flame Retardant, Soil Release finish; Special Purpose finish - Anti Bacterial finish, Silicone finish, Denim finish, Phase Change Finish.

TEXT BOOK:

- Understanding Textiles, Sixth Edition, Billie J. Collier and Phyllis G.Tortora, Prentice Hall Inc., New Jersey (2001).

BOOKS FOR REFERENCE:

1. Textiles, Ninth Edition, Sara J. Kadolph and Anna L. Langford, Prentice Hall Inc., New Jersey (2002).
2. The complete Technology book on Textile Processing with Effluents Treatment, NIIR Board, Asia Pacific business Press Inc., Delhi, India (1998).
3. Textile Finishing, Dr.N.Nalankilli and S.Jayaprakasam, S.S.M Institute of Textile Technology, S.S.M.I.I.T Staffs and Students Co-operative Stores, Komarapalayam, Tamilnadu, India (1997).
4. Technology of Textile Processing, Vol.VI, Dr.V.A.Shenai, Sevak Publications, Mumbai, India (1997).

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 FABRIC STRUCTURE ANALYSIS	Total Marks : 100		Hours Per Week	Credits
			CIA : 40	ESE: 60		
V	17UASCP503				4	3

OBJECTIVES:

- To enable the students to identify various weaves and knit structures
- To educate on the elements of woven designs
- To impart knowledge on representation of knits

COURSE OUTCOME:

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

- CO1 Identify and represent plain weave and its derivatives on point paper
- CO2 Identify and represent twill weave and its derivatives on point paper
- CO3 Identify and represent the structures of toweling fabrics on point paper
- CO4 Identify and represent the compound weaves on point paper
- CO5 Identify and analyze the structure of basic knits

UNIT - I**Identification of Woven sample, Design, Draft, Peg plan and necessary calculations:**

- Plain weave
- Warp Rib
- Weft Rib
- Matt Rib

UNIT - II**Identification of Woven sample, Design, Draft and Peg plan and necessary calculations:**

- Ordinary Twill
- Pointed Twill
- Satin
- Sateen

UNIT - III**Identification of Woven sample, Design, Draft and Peg plan and necessary calculations:**

- Huck a back
- Honeycomb
- Mock leno weave



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UNIT - IV

Identification of Woven sample, Design, Draft and Peg plan and necessary calculations:

- Terry pile
- Extra figuring
- Double cloth

UNIT - V

Identification of Knitted sample, its various representations and necessary calculations:

- Plain Knit
- Rib Knit
- Interlock
- Tricot
- Raschel


BOOKS FOR REFERENCE:

1. Watson's Textile Design and Colour. Z J Grosicki, Woodhead Publishing Limited, England (2004).
2. Knitting Technology, D.B.Ajgoankar, Universal Publishing Corporation, Mumbai (1998).



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Sem	Course Code	CORE PRACTICAL - VII TEXTILE PROCESSING	Total Marks : 100		Hours Per Week	Credits
			CIA : 40	ESE: 60		
V	17UASCP504				5	3

OBJECTIVES:

- To gain knowledge in preparing samples for processing
- To impart practical knowledge on various dyeing methods
- To educate the students about different printing techniques

COURSE OUTCOME:

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

- CO1 Understand the fabric preparation process
- CO2 Demonstrate the process of dyeing
- CO3 Build Knowledge on natural dyeing process
- CO4 Create different design patterns using direct printing method
- CO5 Develop new designs using resist style of printing

UNIT - I**Preparation of Samples for Processing:**

- Desizing
- Scouring
- Bleaching
- Degumming

UNIT - II**Dyeing of Samples:**

- Direct Dye
- Sulphur Dye
- Vat Dye
- Disperse Dye

UNIT - III**Dyeing of Samples:**

- Reactive Dye
- Acid Dye
- Basic Dye
- Vegetable Dyes (any one)



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UNIT - IV

Direct method of Printing Samples:

- Block printing – Vegetable/ Wooden blocks /Nail blocks
- Stencil printing
- Screen printing


UNIT - V

Resist method of Printing Samples:


- Tie and Dye printing- any three methods with single/ double/ multi colours
- Batik printing - any three methods with single/ double/ multi colours

BOOKS FOR REFERENCE:

1. Textiles, Ninth Edition, Sara J. Kadolph and Anna L. Langford, Prentice – Hall Inc., New Jersey (2002).
2. Understanding Textiles, Sixth Edition, Billie J. Collier and Phyllis G.Tortora, Prentice -Hall, Inc., New Jersey (2001).
3. Technology of Textile Processing, Vol.VI, Dr.V.A.Shenai, Sevak Publications, Mumbai, India (1997).


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Sem	Course Code	ELECTIVE PAPER – I A FASHION PRODUCT DEVELOPMENT AND MARKETING	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE : 75	5	
V	17UASET505					4

OBJECTIVES:

- To enable the students to learn the terminologies and concepts related to fashion Product development
- To introduce various aspects of fashion market levels
- To know various types of fashion products

COURSE OUTCOME:

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

- CO1 Pursue a professional career in designing and developing fashion products
- CO2 Understand the activities involved in Line concept development and Design development process
- CO3 Familiarize with Line product development process
- CO4 Introduce the fashion marketing environment
- CO5 Understand the market levels in fashion industry

UNIT - I

Fashion product – Definition , Functions and Categories of a new product. The role of design in new product development. New product development process and stages – Types of fashion products. Criteria for evaluating garments.

UNIT - II

Line concept development process – Seasonal product lines , Calendar development – Marketing calendar, Merchandising calendar, Market research, Product trend analysis .

Design development process - Themes, Fabrications, Styles/ Bodice, Colour palettes, Sizes.

UNIT - III

Line Product Development process - Samples, Line sheets, Style adoption, Product specifications, Product quality, Spec book, Fabric Sourcing, Prototyping, Pre costing, Final costing, Line release. Study on sustainable fashion product development process.



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UNIT - IV

Fashion Marketing – Definition, Size and Structure. Functions and Process involved in fashion marketing. Fashion Marketing environment – Micro and Macro marketing environment. Trends in marketing environment .

UNIT –V

Study on Market levels in the fashion industry - Value market, Mass market High street, Mid level high street, High end high street brands, Diffusion brands, Luxury brands – Ready To wear, Haute Couture, Handmade, Bespoke / Made To Measure, Designer wear or clothing, Independent designer labels, Casual wear and sportswear brands, Supermarkets.

TEXT BOOKS:

- Merchandising of Fashion Products, Doris .H. Kincade and Fay Y. Gibson Dorling Kindersley India Pvt. Ltd., 2012. (Units –I, II and III).
- Fashion Marketing, Mike Easey, A. John Wiley and Sons, Ltd., Publication, 2009. (Units - IV and V)

BOOKS FOR REFERENCE:

1. The Business of Fashion, Third Edition, Leslie Davis Burns. Nanacy O. Bryant. Fairchild Publications, New York (2007).
2. Apparel Merchandising, Second Edition, Jeremy A. Rosenau and David L. Wilson, Fairchild Publications, USA (2006).

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	SKILL BASED – III BUSINESS AND ACCOUNTING	Total Marks : 75		Hours Per Week	Credits
V	17UASST508			CIA : 20	ESE: 55	5

OBJECTIVE:

- To gain knowledge on business and accounting concept in day-to-day activities

COURSE OUTCOME:

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

- CO1 Understand the basics of business
- CO2 Build knowledge on accounting
- CO3 Apply knowledge on trial balance
- CO4 Identify the profit and loss of a concern
- CO5 Estimate the elements of costing

UNIT – I

Business - Nature and objectives - Forms of business organization: Sole trader, Partnership firm and Company - Advantages and Limitations.

UNIT – II

Accounting - Meaning - Importance - Accounting Concepts and Conventions - Rules of accounts - Double entry system - Difference between Single entry and Double entry system - Journal - Ledger.

UNIT – III

Trial balance - Subsidiary books - Purchases book, Sales book, Purchases returns book, Sales returns book and Cash book: Single, Double and Triple column cash book.

UNIT – IV

Final Accounts of sole trading concern - Trading and Profit and loss a/c and Balance sheet with simple adjustment.

UNIT – V

Cost accounting - elements - Classifications - Preparation of simple cost sheet - Material Issue: FIFO and LIFO only - Overheads - Classification - Allocation and apportionment of overhead cost (Simple Problems).

Note: Problem - 60% Theory - 40%




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BOOKS FOR REFERENCE:

1. Financial Accounting, T.S.Reddy and Dr.A.Murthy, Margham Publications, Chennai (2015).
2. Business Organization and Management, Y.K.Bhushan, Sultan Chand and Sons, New Delhi (2014).
3. Business Organization and Office Management, R.K.Sharma, Shashi K. Gupta, Kalyani Publisher, New Delhi (2014).
4. Principles of Accountancy, S.P.Jain and K.L.Narang, Kalyani Publisher, New Delhi (2014).
5. Cost Accounting, Dr.M.Wilson, Himalaya Publishing House, New Delhi (2014).
6. Cost Accounting, S.P.Jain and K.L.Narang, Kalyani Publisher, New Delhi (2011)

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	3 x 10 = 30 Marks Answer any three Questions One Question from each unit


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Sem	Course Code	ADVANCE LEARNERS COURSE A BASICS OF TECHNICAL TEXTILES	Total Marks : 100		Hours Per Week	Credits
			CIA : -	ESE: 100		
V	17UASAL509				-	2

OBJECTIVES:

- To enable the students to learn about the various categories of technical textiles
- To impart knowledge about the potential of technical textiles
- To gain insight on commercial applications of technical textiles

COURSE OUTCOME:

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

- CO1 Categorize the various segments of technical textiles
- CO2 Perceive knowledge on application of agrotech, clothtech and buildtech
- CO3 Analyse the functions of geotech, homotech and indutech
- CO4 Summarize the application areas of meditech, mobiltech and oekotech
- CO5 Identify the materials used in packtech, protech and sport tech

UNIT - I

Introduction, definition, market overview and growth projections of technical textiles. Classification of technical textiles. High performance fibres used for technical textiles, their characteristics and application areas.

UNIT - II

Agrotech- fibres used – properties required and applications. Buildtech – textiles used in construction – products covered. Clothtech – specific components and applications in garments and shoes.


UNIT - III

Geotech – functions and application areas. Homotech – major product classifications and market trends. Indutech – industrial products and components.

UNIT - IV

Meditech – non implantable materials, implantable materials, health care and hygiene products. Mobiltech – automotive textiles and its components. Oekotech – textiles in environmental protection applications.




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UNIT - V

Packtech – textile packaging materials and its uses. Protech – clothing requirements for thermal protection, ballistic protection, UV protection, protection from electro-magnetic radiations, micro organisms, chemicals and pesticides etc. Sport tech- textiles used in leisure and sports industries.

TEXT BOOK:

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

BOOKS FOR REFERENCE:

1. Technical Textiles: Technology, Developments and Applications, Dr.V.K.Kothari, IAFL Publications, New Delhi (2008).
2. High Performance Fibres, J W S Hearle, Woodhead Publishing Ltd., England (2000).
3. An Introduction to Healthcare and Medical Textiles, Wen Zhong, Destech Publications Inc., (2013).
4. Textiles in Automotive Engineering, Woodhead Publishing Ltd., England (2001).
5. Textiles for Protection, Scott.R.A., Woodhead Publishing Ltd., England (2005).

QUESTION PAPER PATTERN		
Section A	Section B	Section C
10 x 2 = 20 Marks Ten questions out of 12	5 x 7 = 35 Marks (Five Questions Either or choice) Two Questions from each unit	3 x 15 = 45 Marks Three Questions out of five One Question from each unit

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Sem	Course Code	ADVANCE LEARNERS COURSE B BASICS OF JEWELLERY DESIGNING	Total Marks : 100		Hours Per Week	Credits
			CIA : -	ESE: 100		
V	17UASAL510				-	2

OBJECTIVES:

- To impart basic knowledge on types of jewellery
- To understand about gemstones and its properties
- To learn the techniques in the field of jewellery making

COURSE OUTCOME:

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

- CO1 Build knowledge on basics of jewellery making
- CO2 Understand the process of jewellery making
- CO3 Explain the traditional jewellery of India
- CO4 Elaborate the history of Indian jewellery
- CO5 Determine the treatment given for gem stones

UNIT I

Introduction to jewellery and its components – Tools used in jewellery manufacturing – Safety measures taken while making jewellery -Dimensions used in the jewellery

UNIT II

Process of jewellery making – Designing, Moulding, Casting, Polishing; Embellishment processes- Finishing, Plating, Quality checking, Packaging and transporting.

UNIT III

Traditional jewellery of India ; Bridal Jewellery – Antique Jewellery – Bead Jewellery – Custom Jewellery – Copper Jewellery – Fashion Jewellery - Filigree Jewellery – Gold Jewellery – Handmade Jewellery – Ivory Jewellery- Jadam Jewellery.

UNIT IV

History of Indian Jewellery; Kundan Jewellery- Lac Jewellery- Meenakari Jewellery- Navaratna Jewellery- Pachchikam Jewellery – Silver Jewellery- Stone Jewellery – Temple Jewellery- Tribal Jewellery.

UNIT V

Gemology – Introduction – Properties of Gem stones- Different Stones used in the jewellery art, its cuts and shapes – Treatments given for gem stones – Heat, Radiation, Waxing/oiling, fracline filling.




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BOOKS FOR REFERENCE:

1. Jewellery Making and Beading for Dummies, Heather Dismore, John Wiley and Sons Publications, New Jersey (2013)
2. Basic Jewellery Making, Sandy Allison, Ted Walker, Alan Wycheck, Stackpole Books, United States (2005).
3. Making Wire Jewelry, Helen Clegg, Mary Larom, Lark Books Publication, New York (1997).

QUESTION PAPER PATTERN		
Section A	Section B	Section C
10 x 2 = 20 Marks Ten questions out of 12	5 x 7 = 35 Marks (Five Questions Either or choice) Two Questions from each unit	3 x 15 = 45 Marks Three Questions out of five One Question from each unit


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Sem	Course Code	CORE PAPER - X APPAREL PRODUCTION TECHNIQUES	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE: 75	5	5
VI	17UASCT601					

OBJECTIVES:

- To learn the process flow in apparel industry
- To impart skills in apparel production process
- To understand the concepts of quality control in production process

COURSE OUTCOME:

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

- CO1 Identify the concepts related to the historical background of apparel industry
- CO2 Study the infrastructure facilities needed for starting an industry
- CO3 Gain insight into designers influence on manufacturing schedule and costing
- CO4 Learn the various production operations
- CO5 Develop knowledge on finishing process

UNIT - I

Origin and Growth of Apparel Industry; Growth and categories of men's apparel industry, women's apparel industry and children's apparel industry; Process flow in garment manufacturing unit.

UNIT - II

Apparel Industry infrastructure – factors to be considered in selection of land, Benefits of proper selection of land, labor, capital – fixed and working capital; selection of machinery.

UNIT - III

Apparel production methods: Designing – Design Studio, responsibilities of a designer; Sampling – production of sample garment, sample summary sheet; Costing –components of garment costing, costing sheet and common methods of reducing cost; Fabric Store Department.

UNIT - IV

Production operations: Spreading – Marker Planning – Cutting Methods: Portable cutters, Stationery cutters and Position markers - Bundling - Sewing section, Seams and its types, feed system, needle and thread selection.

UNIT - V

Finishing- pressing, trimmings and accessories in garment manufacturing- Inspection – flow chart, types and selection of inspectors; Quality control process in various departments; Packaging.



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TEXT BOOK:

- Apparel Manufacturing, Glock.E, Kunz I.G, Dorling Kindersley Pvt. Ltd., India (2005).

BOOKS FOR REFERENCE:

1. Apparel Manufacturing, Glock.E, Grace.L, Dorling Kindersley Pvt. Ltd., India (2012).
2. Inside the Fashion Business, Kitty G.Dickerson, Pearson Education Pvt. Ltd., India (2005).
3. Fashion from Concept to Consumer, Frings.G.S. Pearson Education Pvt. Ltd., India (2005).

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 – VIII FASHION PORTFOLIO PRESENTATION	Total Marks : 100		Hours Per Week	Credits
VI	17UASCP602		CIA : 40	ESE: 60	4	4

OBJECTIVES:

- To introduce students the rudiments of sketching and its concepts
- To develop the ability to perform higher order thinking skills in the areas of fashion
- To get acquainted to develop fashion ensembles through research on selected themes by a design process

COURSE OUTCOME:

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

- CO1 Infer the concepts of fashion portfolios
- CO2 Develop skills in making mood boards
- CO3 Analyze and create design styles for various themes
- CO4 Gain new insights through universal colouring system and fabric textures
- CO5 Exhibit the innovative design collections based on selected themes

Design and develop Fashion Portfolios (4 themes) with the following boards;

1. Designer profile, Customer profile and Name board
2. Mind map and Mood board
3. Flat sketches (Minimum 4 for a theme)
4. Fabric board, Colour board and Accessory board
5. Story board and Photographic board

BOOKS FOR REFERENCE:

1. Fashion Rendering, Ranjana Singhal and Kannaki Bharali, Om Books International, Uttar Pradesh, India (2010).
2. Professional Fashion Illustration, Julian Seaman, B.T.Batsford Limited, London (1995).
3. Essential Fashion Illustration Colour and Medium, PacoAsensio, Rockpot Publishers, United States of America (2008).
4. Design Portfolio - Moving from Traditional to Digital, Diane M.Bender, Fairchild Books, Inc., New York (2008).



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Sem	Course Code	CORE PRACTICAL - IX MEN'S APPAREL	Total Marks : 100		Hours Per Week	Credits
			CIA : 40	ESE: 60		
VI	17UASCP603				6	4

OBJECTIVES:

- To familiarize the students with men's garment patterns
- To enable the students to understand various methods and styles of men's garment construction
- To impart knowledge on cost calculation

COURSE OUTCOME:

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

- CO1 Construct S.B.Vest with various styles
- CO2 Construct Slack shirt with various styles
- CO3 Construct Nehru kurtha and Pyjama with various styles
- CO4 Construct Trouser with various styles
- CO5 Construct T-Shirt and Bermudas with various styles

UNIT - I

S.B.Vest – With/ without collar, Button Attached, Sleeveless.

UNIT – II

Slack shirt – Full open, shirt collar, Patch Pocket.

UNIT – III

Nehru kurtha – Stand collar, Side pocket, Half Open.

Pyjama - Elastic /Tape attached waist.

UNIT – IV

Trouser – Darts at back, Side Pocket, Waistband with loops, Fly with Button /Zip.

UNIT – V

T-Shirt – Full open, Open Collar, Zip attached.

Bermudas -Patch Pocket.




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BOOKS FOR REFERENCE:

1. Practical Clothing Construction, Part I and II, Mary Mathews, Cosmic Press, Chennai (2014).
2. Zarakar System of Cutting, K R Zarakar, Navneet Publications Ltd., Mumbai (2010).
3. Cutting and Tailoring Theory, Eswari Anwani, Lakhraj Hans, R.B.Publications, New Delhi (2006).
4. Cutting and Tailoring Theory, Gayathri Verma, Kapildev, Asian Publications, New Delhi (2005).
5. A Guide to Fashion Sewing, Connie Amaden – Fairchild Publications, USA (1992).



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Sem	Course Code	ELECTIVE PAPER – II A BOUTIQUE MANAGEMENT	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE: 75	5	
VI	17UASET604					4

OBJECTIVES:

- To analyze the retail strategy concepts to solve problems
- To promote the management and marketing skills
- To impart knowledge on showroom management and product management

COURSE OUTCOME:

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

- CO1 Define and classify the types of business
- CO2 Choose the right place and sources for investment
- CO3 Understand the man power planning for the organization
- CO4 Make use of marketing tools and techniques
- CO5 Analyze the pricing strategies to promote the product

UNIT – I

Nature and scope of Business – Creating Business Plan – selection of business structure – Sole Trader, Partnership firms, selection of boutique name, types of boutique - low-end and high-end boutiques

UNIT – II

Location for starting up of boutique – Factors influencing location – Size of boutique, Sources of Finance – Long term – Short term – Relative Merits and Demerits.

UNIT – III

Theft Prevention methods - Inventory management-Motives, benefits of handling inventory management- Human Resource Management - job requirements-man power planning, performance management - employee relations

UNIT – IV

Merchandising –Retail Merchandising-Visual Merchandising - Types of display – exterior display, interior display, Tools for visual merchandising- Signage, Props, Mannequins, Fixtures and Lightings



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UNIT -V

Marketing – Importance of marketing, Price Mix-Importance - Pricing objectives -Pricing strategies – Personal selling and Sales Promotion - advertisement, fashion show, trunk show and sample sales -E-marketing –Tele marketing – Kiosk Marketing.

TEXT BOOK:

- How to Open a Boutique: The Simple Guide to Boutique Success, Briana Stewart, Create Independent Publishing Platform, New York (2014).

BOOKS FOR REFERENCE:

1. Entrepreneurial Development, Dr.S.S.Khanka, Sultan Chand and Company Pvt. Ltd., New Delhi (2013).
2. Fundamentals of Business Organisation and Management, Y.K.Bhushan, Nineteenth Edition, Sultan Chand and Sons, New Delhi (2013).
3. Marketing Management, Rajan Sexena, Tata Mc Graw Hill Education, New Delhi (2005).
4. Visual Merchandising and Display, Martin M.Pegler, Fairchild Publications, New York (2002).

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	ELECTIVE PAPER - III A APPAREL QUALITY ASSURANCE	Total Marks : 100		Hours Per Week	Credits
			CIA : 25	ESE: 75		
VI	17UASET607				5	4

OBJECTIVES:

- To enable the students to learn about the concepts of quality Control
- To impart knowledge about various fabric defects and inspection systems
- To provide the details of different parameters in quality

COURSE OUTCOME:

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

- CO1 Understand the concepts of quality control
- CO2 Build knowledge on inspection systems
- CO3 Analyse the various defects in manufacturing of garments
- CO4 Assess the quality control of trimmings and accessories
- CO5 Classify the different types of packing and labels

UNIT - I

Quality control - concept, requirements and importance, various steps in quality control - ISO 9000 and 14000 standards - OEKO Tex 100 standards.

UNIT - II

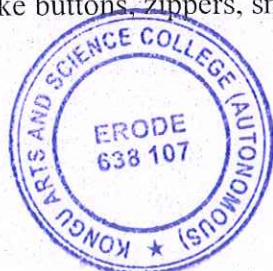
Grading of fabrics; Inspection systems - 4 point system and 10 point system; Seven tools of quality. Defects in weaving, dyeing, printing and finishing - Bow and skewness.

UNIT - III

Defects in spreading, cutting, sewing, assembly defects, defects in pressing and finishing. Importance and types of Shrinkage; Color fastness tests - washing, rubbing, light, perspiration; Sewing thread - Quality requirements - seam strength, seam slippage.

UNIT - IV

Quality control of constructional details - plackets, neck finishes and hem lines - Trimmings and Accessories like buttons, zippers, snap fasteners, interlinings - Quality finishing of garment.



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UNIT - V

Packing - objectives - classification of packing - stand - up pack, flat pack, hanger pack, hanger with sandwich pack and dead man pack - merits and demerits - Packaging materials and its importance - Packing defects. Labels - objectives - types and its importance - fibre content labels, country of origin labels, flammability labels, labels about dimensional stability and care labels.

TEXT BOOK:

- Managing Quality in the Apparel Industry, Mehta V Pradip, Bhardwaj.K. Satish, New Age International (P) Ltd., Delhi (2006).


BOOKS FOR REFERENCE:

1. Apparel Manufacturing Handbook Analysis, Principles and Practice, Solinger Jacob, Van Nostrand, Reinhold Company, Newyork (1980).
2. Apparel Manufacturing Analysis, Solinger Jacob, Textile Book Publishers, Newyork (1961).

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	SKILL BASED – IV CAD IN FASHION DESIGNING PRACTICAL - IV	Total Marks : 75		Hours Per Week	Credits
			CIA : 30	ESE: 45		
VI	17UASSP610				5	3

OBJECTIVES:

- To familiarize the students with textile design software
- To acquaint the students with the various tools used for designing
- To gain knowledge on tools used in Adobe Illustrator

COURSE OUTCOME:

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

- CO1 Create various weaves and colour combinations
- CO2 Apply practical knowledge on creation of designs
- CO3 Experiment with tools for creating Jacquard weaves
- CO4 Understand the basics of Adobe Illustrator
- CO5 Elaborate the role of Illustrator in dress design

UNIT - I**Weave:**

- Creation of various weaves
- Plain, Twill, Satin, Honeycomb, Huck a back weaves, fancy weaves
- Creation of various stripes, checks, plaids designs
- Application of colours
- Fabric Simulation

UNIT - II**Design and repeat:**

- Creation of designs
- Tracing of designs
- Repeat setting
- Changing of repeat
- Application of colours

UNIT - III**Jacquard:**

- Creation of designs
- Tracing of designs
- Repeat setting
- Application of colours
- Application of weaves



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UNIT - IV

Adobe Illustrator:

- Creation of logos
- Creation of designs
- Tracing of designs
- Text effects
- Photo effects

UNIT - V

Garment Sketch in Illustrator:

- Garment flats- Men
- Garment flats- Women
- Garment flats- Children
- Garment colour combinations
- Story board

BOOKS FOR REFERENCE:

1. Fashion Designers Handbook for Adobe Illustrator, Marianne Center and Frances Vereker, Blackwell Publications, USA (2007).
2. Creative Fashion Design with Illustrator, Kevin Tallon, Batsford Ltd., United Kingdom (2006).



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