

**CURRICULUM FRAMEWORK AND SYLLABI FOR
MASTER OF SCIENCE IN TEXTILES AND CLOTHING
(FOR THE CANDIDATE TO BE ADMITTED FROM THE ACADEMIC YEAR (2018-2019)
(UNDER CHOICE BASED CREDIT SYSTEM-CBCS)**



**DEPARTMENT OF HOME SCIENCE
MOTHER TERESA WOMEN'S UNIVERSITY
KODAIKANAL**

PRELUDE

The Department of Home Science was started in the year 1985. The Department aims to maximize student's potential through scientifically planned, multidimensional, skill oriented curriculum to excel in the areas of home science. The Department provides opportunities to students to grow beyond classroom through a wide range of extracurricular activities, programs and services through the maintenance of environment, cultural and intellectual diversity. The students have more scope to get the exposure for research, projects, internships, industrial visits and placements.

VISION

The vision of the department is to endeavor women by inculcating scientific knowledge and skills in the field of Textiles and Clothing and Foods and Nutrition.

MISSION

- **To provide opportunities for all-round development of the students and excellence in higher education, research and extension in the field of textile, food and nutrition sciences.**
- **To empower learners in achieving their professional goals.**
- **To keep the students updated with scientific and technological developments.**
- **To enhance creativity, innovation, research and craftsmanship through training**
- **To facilitate and enhance the personality of students skill in critical thinking, communication, leadership and computer literacy.**
- **To establish collaborative links with industrial, commercial and public organizations for development of the course.**
- **To disseminate the findings of research to the society and the Nation.**

PROGRAMME OUTCOMES (PO)

The Expected Programme Outcomes on completion of M.Sc. Textiles and Clothing

PO1- Students have complete knowledge in the field of Textiles and Clothing

PO2- Students will apply their professional knowledge and their research ideas for developing innovative fashion trends and creative products.

PO3- Acquire dexterity for self-development and competency

PO4- Understand current scenario of fashion and apparel design and adapt themselves to the changes in global fashion and commercial market.

PO5- Prepares them to acquire business relations by instilling technical and computer knowledge, statistical analytical skills, soft skills, confidence, ethics and moral values.

PO6- Qualify for industrial needs and start up units by providing professional skills

PO7- Explore research interest with creative skills towards sustainable environment practices.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO1 – Acquire research knowledge in Textile, Apparel and Fashion production techniques

PSO2 – Gain expertise in areas of fashion and design as to adopt current and future trends

PSO3 – Acquire entrepreneurial skills in the field of textiles, apparel and fashion

PSO4 – Excel in the area of computer and soft skills as per industrial needs and start-ups.

PSO5 – Acquire dexterity in the field of textile, clothing and fashion for employability

MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL

MASTER OF TEXTILES AND CLOTHING

STRUCTURE 2018-2019

SEM	COU	TITLE	HRS	CRE	INT	EXT	TOT
I	PTCT11	Research Methodology and Statistics	5	5	25	75	100
	PTCT12	Textile Science	5	5	25	75	100
	PTCT13	Surface Embellishments	5	5	25	75	100
	PTCP11	Fashion Sketching Practical – I	5	5	25	75	100
	PTCE11	Apparel Machinery & Equipment	5	5	25	75	100
TOTAL				25			500
II	PTCT21	Textile Processing and Finishing	5	5	25	75	100
	PTCT22	Home Textiles	5	5	25	75	100
	PTCT23	Personality Development	5	5	25	75	100
	PTCP22	Dyeing and Printing Techniques Practical – II	5	5	25	75	100
	PTCE22	Clothing Psychology	5	5	25	75	100
TOTAL				25			500
	PTCT31	Application of Computer in fabric and fashion Design	5	5	25	75	100

III	PTCT32	Technical Textiles	5	5	25	75	100
	PTCT33	Business Communication	5	5	25	75	100
	PTCP33	Design and Construction of Women's Outfit Practical –III	5	5	25	75	100
	PTCE33	Advanced Pattern Making Techniques	5	5	25	75	100
TOTAL				25			500
IV	PTCT41	Visual Merchandising	5	5	25	75	100
	PTCT42	Entrepreneurship Development	5	5	25	75	100
	PTCD41	Dissertation	5	5	25	75	100
TOTAL				15			300
Grand Total				90			1800

CREDIT DISTRIBUTION

S.NO	COURSES CATEGORY	CREDITS	PERCENTAGE OF CREDITS TO TOTAL CREDITS
1	Core Theory	55	61
2	Core Practical	15	16.66
3	Major Based Electives	15	16.66
4	Projects	5	5.55
TOTAL		90	99.87 100%

AVERAGE PERCENTAGE OF THE COURSES HAVING FOCUS ON SKILLS

Courses	Employability	Skill	Ent*	Knowledge
Research Methodology and Statistics				Y
Textile Science	Y			
Surface Embellishments	Y			
Fashion Sketching Practical – I		Y		
Textile Processing and Finishing			Y	
Home Textiles				Y
Personality Development				Y
Dyeing and Printing Techniques Practical – II		Y		
Application of Computer in fabric and fashion Design				Y
Technical Textiles				Y
Business Communication	Y			
Design and Construction of Women's Outfit Practical –III			Y	
Visual Merchandising	Y			
Entrepreneurship Development			Y	
CORE COURSES - TOTAL	4	3	3	5
Apparel Machinery & Equipment				Y
Clothing Psychology				Y
Advanced Pattern Making Techniques	Y			

ELECTIVE COURSES - TOTAL	1			2
Project	Y			
OTHERS - TOTAL	1			

Core Courses-Total	4	3	3	5
Elective Courses - Total	1			2
Others - Total	1			

Course Code & Title	Research Methodology and Statistics		
PTCT11	Semester-I	Credits:5	Hours:5
Cognitive Level	K2: Understand K3: Apply		
Learning Objectives	The Course aims to <ul style="list-style-type: none"> ➤ Learn some basic concepts of research and statistical analysis. ➤ Understand different types of research ➤ Study about scientific investigation to solve problem, test hypotheses, develop or invent new products. ➤ Gain knowledge on research process and report preparation 		

UNIT -I Introduction to Research

Meaning of Research - Types of Research - Significance of Research - Research Process. Defining the Research Problem - Sources, Identification, Selection and Statement, Review of related literature.

UNIT-II Research Design and Sampling

Meaning of research design, Types of research designs, Basic Principles of experimental designs. Developing a Research Plan.

Sampling - Census and sample survey, Steps in sampling design, criteria for selecting a sampling procedure, Characteristics of a good sample design, different types of sample designs.

UNIT - III Data Collection Methods

Methods of Data collection - Observation, Questionnaire, Interview. Data Processing- Collection, Classification, Tabulation, Graphical Representation and Data Analysis.

UNIT-IV Preparation of Research Report

Research Report – Format of research report, Main body of the report, References and appendices, Style of writing, Typing the Report, Pagination, Tables and Figures, Evaluating the report.

UNIT- V Statistics

Meaning and scope of statistics, Role of Statistics in research, measures of central tendency and dispersion

Correlation- Co-efficient of Correlation and its Interpretation, Rank Correlation, Regression equation, Application of Chi-Square test, ANOVA test. (No calculations; only theory)

REFERENCE BOOKS:

1. C R Kothari, K K Gupta, Research Methodology, (2004), Published by for New Age International (P)Ltd, New Delhi.
2. S P Gupta, An Introduction to Statistical Methods, (2009) Vikas Publishing House, New Delhi.
3. J. Medho, Statistical method- An introductory text, (2005), New age International publishers, New Delhi.
4. Donald Ary, Lucy Cheser Jacobs, Introduction to Research in Education, (2009) 8th edition, Wadsworth Pub Co.
5. Best J N, Research in Education, (1979), Prentice Hall, Delhi

COURSE OUTCOMES

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

K2	CO1	Research design and concepts
K3	CO 2	Application of Statistics in research
K4	CO 3	Analysing the process of developing a Research Plan.
K2	CO 4	Research process and report preparation
K3	C05	Efficient usage of different statistical tools and interpretation of data

Mapping of Cos with POS & PSOs:

CO/ PO	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO1	M	S	S	S	S	S	S	S	M	M	M	M
CO2	M	S	S	S	S	S	M	S	M	M	M	M
CO3	M	S	S	S	S	S	S	S	M	M	M	M
CO4	M	S	S	S	S	S	S	S	S	S	M	M
CO5	M	S	S	M	S	S	S	S	M	M	M	M

Strongly Correlating (S)	-	3 Marks
Moderately Correlating (M)	-	2 marks
Weakly Correlating (W)	-	1 Mark
No Correlation (N)	-	0 mark

Course Code & Title	Textile Science		
PTCT12	Semester-I	Credits:5	Hours:5
Cognitive Level	K1: Recall K2: Understand K3: Apply K4: Analyse		
Learning Objectives	The Course aims to <ul style="list-style-type: none"> ➤ Study about the properties of textile fibre, yarn and fabric ➤ Understand the and manufacturing process of fibre, yarn and fabric ➤ Study about the equipment's used for production of fabrics ➤ Understand the sequence of developing fibres into fabric 		

UNIT – I Introduction toTextile Fibers

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

UNIT – II Blow Room Process

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

UNIT – III Yarn Spinning

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

UNIT – IV Weaving process

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

UNIT – V Loom

Shuttle and Shuttle less looms - Air jet, Water jet, Projectile and Rapier loom.

REFERENCES BOOKS:

1. Corbman B.P and Potter.M.D, Textiles fiber to fabric, 1984, International Edition, McGraw-hill book Co, New York.
2. E.P.G. Gohl and L.D. vilensky, Textile Science, 1983, 2nd Ed., Publishers, New Delhi.
3. W.D. Klein , A Practical Guide to Ring Spinning Textile Institute, Manchester.
4. Mark and Robinson, Principles of weaving, Textile institute Manchester.
5. N.N. Banner.J.I , Mechanism of Weaving, Vol – I & II, Textile Institute
6. Joseph J Pretal, Fabric Science, 1990, 5th edition , Fairchild Publications , New York.

COURSE OUTCOMES

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

K4	CO1	Analysing the properties of textile fibre, yarn and fabric
K2	CO2	Sequence of spinning processes
K2	CO3	Manufacturing process of Fiber, yarn and fabric
K3	CO4	Developing fibres into fabric
K3	CO5	Latest weaving technologies

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	M	S	M	S	S	M	M	S
CO2	S	S	S	M	S	S	M	S	S	M	M	S
CO3	S	S	S	S	S	S	M	S	S	S	M	S
CO4	S	S	S	S	S	S	M	S	S	S	M	S
CO5	S	S	S	S	S	S	M	S	S	S	M	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Surface Embellishments		
PTCT13	Semester-I	Credits:5	Hours:5
Cognitive Level	K1: Recall K2: Understand K3: Apply K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To study about the Fundamentals of Embroidery ➤ To understand the origin of Indian Embroidery ➤ To learn about hand and machine embroidery stitch types ➤ To understand traditional Indian embroideries 		

UNIT – I Fundamentals of Embroidery

Fundamentals of Embroidery, Selection of material – thread – needle. Methods of tracing design, Hand embroidery Stitches – Running, stem, Blanket , Lazy daisy, chain, couching, Herringbone, Fish bone, Feather – single and double, Rumanian seeds, Cross, Fly, Stain , Long and Short, French knot, Bullion knot, Double knot, Lettering – Alphabets and Monogram work.

UNIT – II Machine Embroidery stitches

Machine Embroidery stitches – Running, cording, Satin, Long and Short, Granite, Eyelet, Cutwork, Letters Monograms, appliqué on net.

UNIT – III Special stitches

Special stitches - Counted thread work on canvas material – Drawn Thread Work – Cut Work – Bead Work – Mirror Work – Sequins Work. Designing and producing fabric appliqués and placing it on children and women’s apparel

UNIT – IV Origin of Indian Embroidery

Origin of Indian Embroidery .Embroidery stitches used – Kashida of Kashmir, kantha of Bengal, Phulkari of Punjab, ,Kasuti of Karnataka, Chikankari of Luck now Embroidery of

Kutch and Kathiawar, Zari embroidery – Types, Colours, Motiffs, Fabric used and their historical importance

UNIT – V Care and Maintenance of Embroidery

Care and Maintenance of Embroidery Articles – Pressing Articles – Frames - Glass & Wooden. Estimating, Costing & Marketing of Finished Embroidery Goods.

REFERENCE BOOKS:

1. Mary Mathews, Practical clothing construction -Part I, II , 1986, Cosmic Press, Chennai
2. JamilaBrijBhushan, The costumes and textiles and India, 1958, D B Taraporevala Sons & Co, Bombay.
3. DorrisFlyn, Costumes of India, 1971, xford&IBH Publishing Co ,Delhi
4. Das S.N , Costumes of India and Pakistan, 1956, DB Taraporevala Sons and co, Bombay
5. Encyclopedia of Embroidery Stitches Including Crewel, 1974, Dover Publications
6. Val Holmes, Decorative Painting Techniques Book, 2003.

COURSE OUTCOMES

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

K2	CO1	Fundamentals of hand embroidery techniques
K3	CO2	Machine embroidery stitches
K3	CO3	Special Embroidery stitches
K1	CO4	Origin of various traditional Indian embroideries
K6	CO5	Care and Maintenance of Embroidery Articles

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	S	S	S	S	S
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	M	S	S	S	S	S	S	S	S	S	M	M
CO5	S	S	S	M	S	S	S	S	S	S	M	S

Strongly Correlating (S) - **3 Marks**

Moderately Correlating (M) - **2 marks**

Weakly Correlating (W) - **1 Mark**

No Correlation (N) - **0 mark**

Course Code & Title	Fashion Sketching Practical – I		
PTCP11	Semester-I	Credits:5	Hours:5
Cognitive Level	K2: Understand K3: Apply K4: Analyse K5: Evaluate K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To impart practical exposure in fashion sketching ➤ To acquaint students with the knowledge on application of colours on garment designing. ➤ To impart the knowledge and skills required to become designers. 		

1. Creating of design and its application on garments.
2. Lay figure - 8 head- Stick, Block and Muscle figures.
3. Fashion figures – 10 and 12 head - Stick, Block and Muscle figures
4. Sketching of different action croqui
5. Application of garments on croqui
6. Application of Colours on garment designs using different mediums
7. Drawing accessories on garments for party wear
8. Developing Stylized Figures looking into photos and Pictures from Magazines

COURSE OUTCOMES

On successful completion of the course, the students will be able to gain practical knowledge about

K6	CO1	Garment design creation
K2	CO2	Developing fashion figures using head theories
K3	CO3	Sketching of different action croqui
K4	CO4	Applying colors on garment designs
K5	CO5	Developing fashion figures using photos, pictures and magazines

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	M	S
CO2	S	S	S	S	S	S	S	S	S	S	M	S
CO3	S	S	S	S	S	S	S	S	S	S	M	S
CO4	S	S	S	S	S	S	S	S	S	S	M	S
CO5	S	S	S	S	S	S	S	S	S	S	S	S

Strongly Correlating (S) - **3 Marks**

Moderately Correlating (M) - **2 marks**

Weakly Correlating (W) - **1 Mark**

No Correlation (N) - **0 mark**

Course Code & Title	Apparel Machinery & Equipment		
PTCE11	Semester-I	Credits:5	Hours:5
Cognitive Level	K2: Understand K3: Apply K4: Analyse		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To understand the equipment's used for Spreading, Marking, cutting and pressing ➤ To understand the functions of sewing machines ➤ To learn about the care and maintenance of sewing machines ➤ To study about the machineries used for apparel manufacturing 		

Unit – I Spreading and Marking

Spreading – Spreading Methods, Equipment and Tools, Types of Spreads–Marking Methods – Types of Markers – Notches – Drills and Computer Aided Markers.

Unit – II Cutting Equipment's

Definition, Cutting Equipment and Tools, Straight Knife Cutting Machine, Rotary Cutting Machine, Band Knife Cutting Machine, Die Cutters, Cutting Drills, Computerized Cutting Machines.

Unit – III Sewing Machines

Basic sewing Machines – Parts and Functions of Single & Double Needle Machine, Flat lock Machine, Over lock Machine,– Special Attachments. Common problems in Sewing Machines and maintenance

Unit – IV Speciality Sewing Machines

Speciality Sewing Machines - Fashion Maker, Bar Tacking, Button-hole Making, Button Fixing, Blind Stitching Machine, Fabric Examining Machine, Embroidery machines, Feed of the Arm, Flat Lock Machine.

Unit – V Pressing

Pressing – The Purpose of Pressing — Pressing Equipment and Methods – Pleating – Permanent Press – Garment Folding and Packing

REFERENCE BOOKS:

1. Solingar Jacob, Apparel manufacturing” Hand book – analysis, principles and practice, 1988, Columbia Boblin media Corp.
2. V.RameshBabu, Industrial engineering in apparel production, 2012, Woodhead publishing India Pvt Ltd.
3. Gerry cooklin Revised by Steven Hayes and John Mc Logline, Introduction to clothing manufacture, 2007, Black well science publishing.
4. Gerry cooklin, Garment Technology for Fashion Designers,1977, Black well publishing.
5. Harold Carr and Barbara Latham, The Technology of clothing manufacture, 1999, Second edition, Black Well Publishing.
6. David J. Tyler, “Materials management in clothing production”, (1991)
7. Gerry cooklin Revised by Steven Hayes and John mc logline, Introduction to clothing manufacture,1998, Black well science publishing.

COURSE OUTCOMES

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

K2	CO1	Fabric spreading and marking methods
K2	CO2	Various cutting equipment and tools
K3	CO3	Basic sewing machines, common sewing problems and their maintenance
K4	CO4	Speciality sewing machines
K2	CO5	Pressing, folding and packing equipment

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	S	S	S	S	S
CO3	S	S	S	S	S	S	M	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	M	M	S

Strongly Correlating (S) - **3 Marks**

Moderately Correlating (M) - **2 marks**

Weakly Correlating (W) - **1 Mark**

No Correlation (N) - **0 mark**

Course Code & Title	Textile Processing and Finishing		
PTCT21	Semester-II	Credits:5	Hours:5
Cognitive Level	K2: Understand K3: Apply K4: Analyse K5: Evaluate		

<p>Learning Objectives</p>	<p>The Course aims to</p> <ul style="list-style-type: none"> ➤ To understand about the fabric Preparatory process for dyeing and printing ➤ To learn about different types of fabric finishes ➤ To understand the environmental impacts of textile industry ➤ To study the basic textile processing finishing sequence in apparel industry
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UNIT – I Fabric Preparatory Process

Preparatory process- Preparation of fabric for dyeing - Singeing – Singeing Machine – Desizing — Scouring – Bleaching –Bleaching – J-Box- Process and equipment's used.

UNIT – II Classification of finishing

Classification of finishing – mechanical finishing- functional finishing- special purpose finishing

Mechanical finishing- Aesthetic finishes: Luster – glazed, moiré, schreiner, embossed; Drape – crisp and transparent, burnt out, sizing, weighting; Texture sheared,brushed,embossed,plisse,pleated,flocked,embroidered,napped,fulled.

UNIT – III Functional finishes

Functional finishes- wrinkle free finish, water repellent finishes, flame retardants, Anti-microbial finishes, Antistatic finishes, Soil Release finishes.

UNIT – IV Special purpose finishes

Special purpose finishes- silicone finishes, Denim finishes- Fragrance finishes- Uv production finishes, Phase change finishes.

Unit-VEnvironment protection

Environment protection –Importance –Environmental impacts of textile industries - Effluent treatment of water- Importance of eco-friendly processing-Application of enzyme in textile wet processing industry.

REFERENCE BOOKS:

1. Shenai, Technology of Textile Processing, 1996, Vol 3, 4, 6, 10. V.A, Sevak Publications, Mumbai.
2. W. Clarke, An Introduction to Textile Printing, 2004, Woodhead Publishing Limited, Cambridge England.
3. Dr NalankalliG.S.Jeyapragasham, Textile finishing , 1997, First Edition, SSM Institute of Textile Technology.
4. Water analyst, Principal Public Health Laboratory, 1995, SakthiPublications.
5. N.Manivasakam,Industrialeffluentsorigin,CharacteristicsEffectsAnalysis&Treatment, 1987, Sakthi Publications.
6. KanwarVarinderPal Singh, Elementary Idea of Textile Dyeing,Printing and Finishing, 2004, KalyaniPublishers,Ludhiana, New Delhi, Noida.
7. M.L. Gulrajini&Deeptigupta, Natural dyes & their application to textiles, 1990, ,New Delhi Publications.
8. P. Vinayagamurthi ,S .Kavitha, D.Gopalakrishnan, Textiles finishing –Basic concepts and application, 2018, Astral Publications International Pvt.Ltd, New Delhi .
9. Shenai V A,1993, Principles and practice of dyeing, Sevak Publication.
10. JT Marsh,, An introduction to Textile finishing, 1979, B I Publisher,.

COURSE OUTCOMES

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

K2	CO1	Fabric preparatory process
K4	CO2	Classification of fabric finishes
K3	CO3	Functional finishes
K3	CO4	Special purpose finishes
K5	CO5	Environmental impacts of textile industry

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	M	S
CO2	S	S	S	S	S	S	S	S	S	S	M	S
CO3	S	S	S	S	S	S	S	S	S	S	M	S
CO4	S	S	S	S	S	S	S	S	S	S	M	S
CO5	S	S	S	S	S	S	S	S	S	S	M	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Home Textiles		
PTCT22	Semester-II	Credits:5	Hours:5
Cognitive Level	K1: Recall K2: Understand K3: Apply K4: Analyse K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To study about different materials used for home furnishing ➤ To understand the uses of home furnishing ➤ To know about the care and maintenance of home furnishings ➤ To understand about the products used for furnishing home 		

UNIT I Introduction to home furnishing

Definition, Different types of furnishing materials - factors affecting selection of home furnishing

UNIT II Floor coverings

Floor coverings – Hard floor coverings, Resilient floor coverings, soft floor coverings – rugs and carpets - use and care

UNIT III Wall coverings

Wall coverings, use and care - different types of doors and windows, their application - Draperies – choice of fabrics - Use of drapery rods, hooks, tapes rings and pins.

UNIT IV Bed and Kitchen linen

Definitions, different types of bed lines, sheets, blankets and blanket covers, comforts and comfort cover, pillows and pillow cover, cushion and cushion cover, upholsters, Bolster and Bolster covers - Their use and care.

Definitions, types of kitchen lines, dish cloths, hand towels, fridge cover, mixer cover, grinder cover – their use and care

UNIT V Table Linen

Definition, different types of table lines, table mats, table cloth, hand towels – types, selection use and care.

Reference Books:

1. Alexander , N.G Designing interior environment, 1972, MAs Court Braze Convanorich, Inc, New York.
2. Orang, H.T and Rush, O.D Homes with Cherater, D.C. Health and Company Boston, 1966.
3. Hale – A.D., The use of Colour in interior., 1968, McGraw Hill Book Company, New York,.
4. Donsorkay, K.S. Interior Decoration in India, 1973, D.B. Taraporevals Sons & Co. Pvt.LTd.,

Journals

1. The Indian Textile Journals K.S. Spar for business Pvt., Ltd., Sury Mahi,5, Burforji, Bharuchamarg, Bombay
2. Colour Age, R.V. Raghaven, Colour Publications Pvt., Ltd., 26, Dhurwad, Bombay
3. Creative Needle Cradi, Ferbes Publications Ltd., Hatree House, Sueens Way, London.

COURSE OUTCOMES

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

K4	CO1	Selection of home furnishing materials
K3	CO2	Application of different floor coverings
K2	CO3	Usage and care of wall coverings and draperies
K1	CO4	Different types of bed and kitchen lines and their significance and handling procedures
K6	CO5	Selection, care and maintenance of Table linens

Outcome Mapping

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	S	S	S	S	S
CO3	S	S	S	S	S	S	S	S	S	S	M	S
CO4	S	S	S	S	S	S	S	S	S	S	M	S
CO5	S	S	S	S	S	S	S	S	S	S	M	S

Strongly Correlating (S) - **3 Marks**

Moderately Correlating (M) - **2 marks**

Weakly Correlating (W) - **1 Mark**

No Correlation (N) - **0 mark**

Course Code & Title	Personality Development		
PTCT23	Semester-II	Credits:5	Hours:5
Cognitive Level	K1: Recall K2: Understand K3: Apply K5: Evaluate K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To study about evaluating personal appearance ➤ To learn the process of skin treatment and make-up technique ➤ To learn about selecting wardrobe and developing one's communication ➤ To understand about developing one's personality traits 		

Unit-I Personal Appearance

Self-evaluation – meaning, importance - personal appearance posture - body language - face to face communication – positive and negative approach - self introduction.

Unit-II Skin treatment and Care

Care of skin - cleansing, nourishing, vaporizing and toning technique

Facials- Facial Massage-Electro therapy & Light therapy - Facial Treatments-Aromatherapy

Unit-III Make-up technique

Make-up technique - Facial Makeup- Cosmetics for Makeup- Makeup color theory- Client Consultation- Corrective Makeup-Artificial Eyelashes -special make-up -Safety Precautions technique

Unit-IV Selection of Wardrobe

Wardrobe selection – Meaning, planning a wardrobe, Selection of colour and pattern of clothes to suit different personality –factors affecting wardrobe collection - Choice of costumes.

Unit-V Communication Skills

Developing communication skills – Communication – Introduction, importance, Process of communication, barriers of communication.

Oral communication -Vocal noise - Voice training –activating tongue, relaxing facial muscles, breathing properly.

REFERENCE BOOKS:

1. Krishna Mohan and Meera Banerji, Developing communication skill, 2016, 2nd edition, Trinity press, Lakshmi publication, Chennai.
2. BarunMitra, Personality Development and Soft Skills, 2012, Oxford University Press,
4. Janet Simms, A Practical Guide to Beauty Therphy, 2001, Neison Thomas Ltd, UK.
4. Daniel K.Mroczek, Hand book of personality, 2014, Psychology press, New york.

COURSE OUTCOMES

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

K5	CO1	Evaluate their own personal appearance
K2	CO2	Gain knowledge on skin and facial care
K6	CO3	Acquire ideas on various make – up techniques along with safety precautions
K3	CO4	Attain knowledge about wardrobe selection and planning techniques
K1	CO5	Develop efficacy in communication

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	M	S	S	S	S	M	M	M
CO2	S	S	S	M	M	S	M	S	S	S	M	S
CO3	S	S	S	S	S	S	S	S	S	S	M	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	M	S	S	S	S	S	S	S	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Dyeing and Printing Techniques Practical – II		
PTCP22	Semester-II	Credits:5	Hours:5
Cognitive Level	K2: Understand K3: Apply K4: Analyse K5: Evaluate K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To improve understanding of different dyeing techniques. ➤ To attain skills on various printing techniques. ➤ To develop their creativity through application of the dyeing and printing techniques. 		

1. Direct Dyeing
2. Reactive Dyeing
3. Natural Dyeing
4. Tie and Dye (Different techniques)
5. Block Printing –Wooden / Nail / Vegetable (Any Three Styles)
6. Stencil printing – Positive and Negative Printing (Single and Multi-color)
7. Batik Printing – Different Techniques (Any Three Styles)
8. Screen Printing
9. Develop printing design using any one of the above techniques for a garment and print.

COURSE OUTCOMES

On successful completion of the course, the students will be able to obtain practical knowledge about

K2	CO1	Preparation and process of Direct and reactive dyed samples
K3	CO2	Application of suitable Dye on different fabric types
K4	CO3	Analyse suitable printing techniques on fabrics
K5	CO4	Evaluate the different types of technique applied in dyeing and printing.
K6	CO5	Development of a garment design using printing techniques

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	M	S
CO2	S	S	S	S	S	S	S	S	S	S	M	S
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	M	S
CO5	S	S	S	S	S	S	S	S	S	S	S	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Clothing Psychology		
PTCE22	Semester-II	Credits:5	Hours:5
Cognitive Level	K1: Recall K2: Understand K3: Apply K5: Evaluate K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To understand design concept and types ➤ To study about the design and colour psychology ➤ To understand about body proportions, fit and appearance ➤ To learn about general psychology for clothing 		

UNIT – I Introduction to Design

Study of Design - Design concept – Design sources - Types of Design – Factors that influence clothing design – Selection of theme from inspiration – Development of garment design using theme.

UNIT – II Design Psychology

Design Psychology – Elements of design-Line, Shape, Color, Form and Texture. Principles of Design-Balance, Harmony, Emphasis, Proportion and Harmony –Creating garment design using design psychology.

UNIT – III Color Psychology

Color Psychology –Introduction to color – Color theory - Colour Harmonies – Color psychology for different colours

- Selection of clothing using colour psychology

UNIT – IV Body Proportion

Body proportion – Study of human body proportion – Influence of different body proportion in clothing selection.

UNIT – V Body Appearance

Body appearance and fit-Study of body appearance by 3D body Scanning, Assessment of different fabric textures - garment drapability –garment fitting.

REFERENCES:

1. Suzanne G. Marshall, Hazel O. Jackson M. Sue Stanley, Mary Kefgen, Individuality in clothing Selection and Personal Appearance, 2000, Phullis Touchie Specnt, New Jersey.
2. Kitty G. Dickerson, Inside the Fashion Business, 2003, Pearson Education, Singapore,.
3. Kathryn Mokolvey, Janine Munslow, Fashion Design Process, Innovation and Practice, 2005, Black Well Science Ltd, U.K,.
4. Jenny Davis, A Complete Guide to Fashion Designing, 2006, First Edition, Abhishek Publication.

COURSE OUTCOMES

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

K6	CO1	Development of garment design using inspirational themes
K2	CO2	Elements and principles of design
K6	CO3	Creating garment design using design psychology.
K3	CO4	Selection of clothes based on body proportion
K5	CO5	Assessment of body appearance and fabric textures

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	S	S	S	S	S
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	S	S	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Application of Computer in fabric and fashion Design		
PTCT31	Semester-III	Credits:5	Hours:5
Cognitive Level	K2: Understand K3: Apply K4: Analyse K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To understand the basic concepts of computer ➤ To study about Computer applications in Fabric Design ➤ To study about the application of Computer s in Fashion Design ➤ To learn about computer aided designing and manufacturing 		

UNIT I Computer Basics

Computer Basics- computer specifications- input / output devices - concept of CIM, Computer Aided Fashion- Computer Aided Garment Manufacture, Development of designs using Corel Draw.

UNIT II Computer Pattern making

Introduction to Computer Pattern making – Computer Pattern grading and computer marker planning – process.

Draping on Mannequins to check the fitting and texture mapping, Software's used for textile and fashion design.

UNIT III Computer Application in Sewing

Computer application in sewing and embroidery- Computer aided color matching - Computer controlled overhead transport and ware house storage systems.

UNIT IV CAD in Fabric and Garment Design

The impact of color graphics of clothing design - CAD in fabric design - CAD in Clothing design.

UNIT V Computer Application in Textile Production

Computer Applications in Fabric Design, weave design and Dobby design

REFERENCE BOOKS:

1. Groover M P, Zimmers E W, Computer Aided Design and Manufacturing, Prenticehall International.
2. Hannelore Eberle et al, Verlaag Europa – Lehrmittel, Clothing Technology, Vollmer GmbH & Co 4287, Haan – Gruilen.
3. P K Sinha, Computer Fundamentals, 1992, BPB Publications, Delhi.
4. Harold Carr and Barbara Latham, The technology of clothing manufacture, 1994, Blackwell Ltd.
5. Gerry Cooklin, Pattern Grading for Women's Cloths The Technology of sizing, 1990–Blackwell Science Ltd .

COURSE OUTCOMES

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

K2	CO1	Computer basics
K3	CO2	Computer aided Pattern grading and marker planning
K4	CO3	Computer aided color matching
K5	CO4	Draping on Mannequins to check the fitting and texture mapping
K6	CO5	CAD in fabric and garment design

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	S	S	S	S	S
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	S	S	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Technical Textiles		
PTCT32	Semester-III	Credits:5	Hours:5
Cognitive Level	K1: Recall K2: Understand K3: Apply K4: Analyse K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To know about classification of technical textiles ➤ To study about the application of technical textiles ➤ To learn about the properties of technical textiles ➤ To study the concept and uses of technical textiles 		

Unit-I Introduction to Technical Textiles

Introduction: Definition and scope for technical textiles, Classification of technical textiles, brief idea about technical fibres, yarn and fabric, composite material.

Unit-II Filtration and Geo-textiles

Filtration textiles: Definition, importance of filtration textiles, Application of Filtration textiles.

Geotextiles: Brief idea about geo-synthetics and their uses, essential properties of geotextiles, application examples of geotextiles.

Unit-III Medical and Protective Textiles

Medical textiles: Classification of medical textiles, description of different medical textiles.

Protective Clothing: Brief idea about different type of protective clothing, functional requirement of textiles in defence.

Unit-IV Sports and Recreation Textiles

Sports and recreation textiles: Functional requirement of different type of product and their construction.

Unit-V Automotive and Agricultural Textiles

Automotive Textiles: Application of textiles in automobiles, requirement and design for different tyres, airbags and belts.

Agricultural textiles – Applications of agricultural textiles

REFERENCE BOOKS:

1. Ed. A R Horrocks and S C Anand, Handbook of Technical Textiles, 2000, Woodhead Publication Ltd., Cambridge.
- 2.S.GraceAnnapoorani, Technical Textiles and Its Applications, 2017, Laser Park Publishing House, Coimbatore.
3. Ed. SabitAdanaur, Wellington Sears Handbook of Industrial Textiles, 1995, Technimic Publishing Company, Inc., Pennsylvania, USA.
- 4.Ed. G V Rao and G V S Raju, “Engineering with Geosynthetics”, 1990.Tata McGraw Hill Publishing Co. Ltd., New Delhi.
4. J Svedova, “Industrial Textile”, Ed., 1990, Elsevier, New York,.

COURSE OUTCOMES

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

K1	CO1	Classification of technical textiles
K2	CO2	Importance of Filtration and geo textiles
K3	CO3	Application of Medical and protective textiles
K4	CO4	Analyse different types of products for Sports and recreation textiles
K6	CO5	Design requirement for automotive textiles

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	M	S
CO2	S	S	S	S	S	S	S	S	S	S	M	S
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	S	S	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Business Communication		
PTCT33	Semester-III	Credits:5	Hours:5
Cognitive Level	K2: Understand K3: Apply K6: Create		
Learning Objectives	The Course aims to <ul style="list-style-type: none"> ➤ To study about communication process ➤ To understand about the importance of listening ➤ To learn about the business correspondence and presentation skills ➤ To study the business communication techniques 		

UNIT 1 Communication

Communication- meaning and definition, role of communication in business, main forms of communication business, communication process. Inference model – modes of non-verbal communication – communicating across cultures

UNIT II Listening

Active listening- introduction, anatomy of poor listening, factors contributing to poor listening, good listening, telephoning, mobile phones, teleconferencing,

UNIT III Presentation skills

Presentation skills- introduction- features of a good presentation, handling questions, meeting.

UNIT IV Business Correspondence

Business letters- introduction, format and layout, E-mail, report writing, writing skills.

UNIT V Letter Correspondence

Requirement correspondence- definition, application letter, contact of resume and CV, interview letter, offer of employment, letter of acceptance, resignation letter, letter of recommendation.

REFERENCE BOOKS:

1. Krishna Mohan and MeeraBanerji, Developing communication skill, 2016, 2nd edition, Trinity press, Lakshmi publication, Chennai,.
2. Mary Ellen guffey, Essentials of communication, sixth educaton, south – western collage publication Association for business communication.
3. Baugh, frayer&tomas, how to write first calss business correspondence
4. R.C. Bhatia, Business communication, 2009, Ane books Pvt.Ltd., New Delhi.
5. PoojaKhanna, Business Communications,2015,Vikas Publishing House Pvt.Ltd.,Noida.

COURSE OUTCOMES

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

K2	CO1	Business communication and its process
K2	CO2	Significance of active and poor listening
K6	CO3	Presentation skills
K2	CO4	Business correspondence
K3	CO5	Letter correspondence in business communication

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	M	M	S	S	S	S
CO2	M	S	S	S	S	S	M	S	M	S	S	S
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	M	S	S	S	S	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Design and Construction of Women's Outfit Practical –III		
PTCP33	Semester-III	Credits:5	Hours:5
Cognitive Level	K2: Understand K3: Apply K4: Analyse K5: Evaluate K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To study about the development of Drafting procedure in garment design ➤ To develop the knowledge of collection of materials ➤ To learn the skilful construction of garment and its enrichment ➤ To learn the cost calculation for finished garment 		

Select any two of the following garments and Develop garments designs by incorporating colour, fabric and garment design on a flat sketch. Add ornamentation to garment and present.

- a. Develop Drafting procedure for the developed garment design
- b. Collect swatches for colour and fabric suitable to garment design
- c. Cut the original fabric and construct the garment
- d. Enrich the garment by embellishments.
 1. Salwar and Kameez
 2. Saree and Saree Blouse
 3. Ladies top and Skirt
 4. Lehengacholi
 5. Kurti and pant
- e. Calculate the cost of the garment.

COURSE OUTCOMES

On successful completion of the course, the students will be able to acquire practical knowledge about

K2	CO1	Drafting procedure for garment development
K4	CO2	Collection of materials suitable for garment design
K3	CO3	Fabric cutting and construction
K6	CO4	Garment enrichment
K5	CO5	Cost calculation of finished garment

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	S	S	S	M	S
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	M	S	S	S	M	S

Strongly Correlating (S) - **3 Marks**

Moderately Correlating (M) - **2 marks**

Weakly Correlating (W) - **1 Mark**

No Correlation (N) - **0 mark**

Course Code & Title	Advanced Pattern Making Techniques		
PTCE33	Semester-III	Credits:5	Hours:5
Cognitive Level	K1: Recall K2: Understand K3: Apply K5: Evaluate K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ○ To study about flat pattern techniques ○ To understand about pattern alternation and ○ To learn about fitting techniques 		

Unit-I Flat Pattern Terminology

Flat pattern technique –Terminology - Basic pattern set, Working Pattern, Bust point, apex, dart, dart point, dart leg, dart intake, trueing, blending.

Pattern making principles - Dart manipulation, Added fullness and Principle of Contouring

Unit-II Flat Pattern Technique

Basic techniques used in flat pattern designing - Slash and spread method- Pivot method

Unit-III Creating Styles in Pattern Making

Creating Styles in Pattern Making Using Slash and Spread Method - Styles created by shifting of darts, adding fullness at the top and bottom edges of the bodice, Converting darts to seams, Incorporating darts into seams forming the yoke and Converting darts to a partial yoke.

Unit-IV Pattern Alteration

Pattern alteration - Importance of pattern alteration -General principles for pattern alteration - Common pattern alteration in a blouse

Unit-V Garment fit

Garment fit - Standards of a good fit - Steps in preparing a blouse for fitting - Checking the fit of a blouse - Fitting techniques - Specific fitting problems in a blouse and their remedies.

REFERENCE BOOKS:

1. Mary Mathews, Practical Clothing Construction Part-II. Designing, Drafting and tailoring, 1991 Bhattarams Reprographics (P) Ltd., Chennai,.
2. Zarakar K.R., System of Cutting, 2005, Navneet Publications India
3. Suzanne G. Marshall, Hazel O. Jackson M. Sue Stanley, Mary Kefgen, Individuality in clothing Selection and Personal Appearance, 2000, Phyllis Touchie Specht, New Jersey,.
4. Jeaneette A. Jarnow, Miriam Guerrerio, "Inside the Fashion Business", Mcmillion Publishing Company, New York
5. Harriet T. McJimsey, "Art and fashion in clothing selection", The Iowa State University Press, Ames, Iowa.
6. Hilary Campbell, "Designing Patterns, 2003, Om Book Services, New Delhi,
7. Helen Joseph - Pattern Making for Fashion Design, 2000, Armstrong Pearson Education, Delhi.
8. Kitty G. Dickerson, Inside the Fashion Business, 2002, Sixth Edition, Pearson Publications

COURSE OUTCOMES

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

K1	CO1	Principles of pattern making
K3	CO2	Flat pattern techniques
K6	CO3	Creating Styles in Pattern Making
K2	CO4	Principles and importance of pattern alteration
K5	CO5	Garment fitting techniques

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	M	S	S	S	M	S
CO2	S	S	S	S	S	S	S	S	S	S	M	S
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S	M	S
CO5	S	S	S	S	S	S	S	S	S	S	M	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Visual Merchandising		
PTCT41	Semester-IV	Credits:5	Hours:5
Cognitive Level	K1: Recall K2: Understand K3: Apply K4: Analyse K6: Create		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To study the elements of visual merchandising ➤ To study understand the techniques of visual merchandising ➤ To learn about the planning and presentation of merchandise ➤ To understand the concepts applied in visual merchandising 		

Unit – I Visual Merchandising

Elements of Visual Merchandising - Store front, Store layout- types of store layout, Store interior- Interior display, Store exterior display.

Unit–II Mannequins and Fixtures

Mannequins – Introduction, types, Alternatives to the mannequins, Proper Maintenance of Mannequins.

Fixtures – Importance, Types of fixtures and Merchandise presentation techniques

Unit–III Attention Devices

Attention getting Devices -Use of Lighting, Props, Familiar symbols, Fashion accessories, Graphics and Signage.

Unit–IVStore planning and Merchandise presentation

Space Management, Factors affecting operational efficiency, store planning- Allocating Space, Circulation, Shrinkage Prevention

Merchandise presentation planning- Shelving, Hanging, Pegging, Folding, Stacking, Dumping, Selecting Fixtures and Merchandise.

Unit-V Careers

Industrial Display, Fashion shows, Trade Organizations - Errors Commonly Occurring in Display - Career opportunities in Visual Merchandising.

REFERENCE BOOKS:

1. Visual Merchandising and Display – Martin M Peglar 2002, S. V. M, Fairchild Publication, Inc, New York.
2. Grace I kunz, Merchandising: Theory, Principles and Practices, 2005, IOWA state University, Fairchild Publication, Inc, New york
3. John Donnellan, University of Massachusetts-Amherst,, Merchandising buying and management, 1999, FairChild Publications, New York.

COURSE OUTCOMES

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

K1	CO1	Elements of visual merchandising
K4	CO2	Types of Mannequins and fixtures for presentation
K2	CO3	Attention devices for better ambiance
K3	CO4	Planning of store and merchandise presentation
K6	CO5	Industrial display and fashion shows

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	S	S	S	M	S
CO3	S	S	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	M	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	S	M	S

Strongly Correlating (S) - 3 Marks

Moderately Correlating (M) - 2 marks

Weakly Correlating (W) - 1 Mark

No Correlation (N) - 0 mark

Course Code & Title	Entrepreneurship Development		
PTCT42	Semester-IV	Credits:5	Hours:5
Cognitive Level	K2: Understand K3: Apply K4: Analyse		
Learning Objectives	The Course aims <ul style="list-style-type: none"> ➤ To study about the importance of entrepreneurship ➤ To understand the role of entrepreneurship ➤ To understand about the Production and operation management ➤ To understand about developing entrepreneurs for textile industry 		

UNIT – I Entrepreneurship

Entrepreneurship- Meaning, Importance, Evolution of term Entrepreneurship, features, Factors influencing entrepreneurship - Psychological factors, Social factors, Economic factor, environmental factors - Characteristics of an entrepreneur.

UNIT –II Types and Role of entrepreneur

Types of entrepreneur- innovating, adoptive, Fabian, drone, individual and institutional, technologist, forced

Growth of entrepreneurship, role of entrepreneurship in economic development, women entrepreneurs, problems of women entrepreneurs, rural entrepreneurship, problems of rural entrepreneurship, factors affecting entrepreneurial growth.

UNIT III Entrepreneurial motivation

Entrepreneurial motivation – motivation theories – Maslow’s need hierarchy Theory, McClelland’s acquired needs Theory, Herzberg’s theory, McGrigor’s Theory. Need for Entrepreneurship development programs - sickness in small business.

UNIT IV Production and operation management

Production operation management – plant location – introduction, factors affecting plant location, importance of plant layout, need for product design - process of production

design – scheduling, product inspection. Inventory management – introduction, objectives, personnel management – meaning, manpower planning, jobs requirements, recruitments, training and development, remuneration and benefits – important of total quality management.

UNIT V Project identification

Project identification – introduction, internal constraints and external constraints - project lifecycle - element of project formulation, project appraisal methods- payback period, return on investment, discount cash flow, internal rate of return, net present value, profitability index.

REFERENCE BOOKS:

1. Hisrich R D, Perter MP, “Entrepreneurship”, 2013, 8th Edition, TATA MCGRAW-Hill,.
2. Mathew j Manimala, “Enterprenurship theory at cross roads: paradigms and Raxis” 2005, 2nd edition dream teach.
3. Michael h. Morris, et. Al., entrepreneurship and innovation, 2011, CE gage learning New Delhi,
4. S.S Kanka Entrepreneurial Development, 2012, Revised edition, Sultan Chand Publications, New Delhi.

COURSE OUTCOMES

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

K2	CO1	Features and importance of entrepreneurship
K2	CO2	Types and role of entrepreneurs for sustainable growth
K3	CO3	Theories of entrepreneurial motivation
K4	CO4	Inventory and personnel management
K4	CO5	Project identification and formulation

Mapping of Cos with POS & PSOs:

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	S	S	S	S	S	S	S	S	S	S	M	S
CO2	S	S	S	S	S	S	S	S	S	S	M	S
CO3	S	S	S	S	S	S	S	S	S	S	M	S
CO4	S	S	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	S	M	S

Strongly Correlating (S) - **3 Marks**

Moderately Correlating (M) - **2 marks**

Weakly Correlating (W) - **1 Mark**

No Correlation (N) - **0 mark**

Courses having focus on employability/entrepreneurship/ skill development

Name of the Course	Course Code	Year of introduction	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development
Research Methodology and Statistics	PTCT11	2018	Students will be able to enhance their research skills
Textile Science	PTCT12	2018	Students will be able to develop their Theoretical knowledge on textile manufacturing
Surface Embellishments	PTCT13	2018	Theory & Practical skill/knowledge will help to become as an embroidery designer or an entrepreneur
Fashion Sketching Practical – I	PTCP11	2018	Theory & Practical skill/knowledge will help to become as Fashion designer
Apparel Machinery & Equipment	PTCE11	2018	Theory knowledge will be able to enhance their skills to become as Pattern masters
Textile Processing and Finishing	PTCT21	2018	Theory knowledge will be able to enhance their skills to become as Dyeing, printing and finishing Masters
Home Textiles	PTCT22	2018	Theory knowledge will be able to enhance their skills to become as Interior designer
Personality Development	PTCT23	2018	Theory knowledge will be able to enhance their skills to become an entrepreneur
Dyeing and Printing Techniques Practical – II	PTCP22	2018	Theory & Practical skill/knowledge will be able to enhance their skills to become as Dyeing and printing masters
Clothing Psychology	PTCE22	2018	Theory knowledge will be able to enhance their skills to become as Fashion designer
Application of Computer in fabric and fashion Design	PTCT31	2018	Theory/knowledge will be able to enhance their skills to become as Fabric and garment designer
Technical Textiles	PTCT32	2018	Theory/knowledge will help student to excel as researcher or as an entrepreneur
Business Communication	PTCT33	2018	Theory/knowledge will help student to excel in all types of communications in a business
Design and Construction of Women's Outfit practical		2018	Theory & Practical skill/knowledge will be able to enhance their skills to become as Garment designer or as an

			entrepreneur
Advanced Pattern Making Techniques	PTCE33	2018	Theory knowledge will be able to enhance their skills to become as Pattern master
Visual Merchandising	PTCT41	2018	Students will be able to enhance their skills to become as Visual merchandiser
Entrepreneurship Development	PTCT42	2018	Entrepreneur in textile industry