

Dr. N.G.P.ARTS AND SCIENCE COLLEGE (Autonomous)

REGULATIONS 2019-20 for Under Graduate Programme (Outcome Based Education model with Choice Based Credit System)

B.Sc. Degree

(For the students admitted during the academic year 2019-20 and onwards)

Programme: B.Sc. Costume Design and Fashion

Eligibility:

A candidate who has passed in Higher Secondary Examination with any Academic stream or Vocational stream as one of the programme under Higher Secondary Board of Examination and as per the norms set by the Government of TamilNadu or an Examination accepted as equivalent there to by the Academic Council, subject to such conditions as may be prescribed there to are permitted to appear and qualify for **the Bachelor of Costume Design and Fashion** Degree examination of this College after a programme of study of three academic years.

Programme Educational Objectives:

The Curriculum is designed to attain the following learning goals which students shall accomplish by the time of their graduation:

1. To educate the students about textiles and garment industries
2. To train the students with technical knowledge in textiles/fashion designing and manufacturing processes
3. To enhance creativity in fashion designing and to develop entrepreneur skills
4. To impart managerial and merchandising abilities



PROGRAMME OUTCOMES:

On the successful completion of the Programme the following are the expected outcomes

PO Number	PO Statement
PO1	Understand about design concepts to develop them exceptionally good
PO2	Apply knowledge on advance information technology and develop to communicate effectively
PO3	Analyze and apply knowledge of various process in textiles, design and fashion
PO4	Apply critical thinking skills within the context of professional in apparel industry
PO5	Develop entrepreneur skill management and team building



Guidelines for Programmes offering Part I& Part II for Two Semesters:

Part	Subjects	No.of Papers	Credit	Semester No.
I	Tamil / Hindi / French/Malayalam	2	2 x 3 = 6	I & II
II	English	2	2 x 3 = 6	I & II
III	Core (Credits 2,3,4)	18-20	70	I to VI
	Inter Departmental Course (IDC)	4	16	I to IV
	Discipline Specific Elective (DSE)	3	3 x 4 =12	V & VI
	Skill Enhancement Course(SEC)	4	4 x 3=12	III ,IV,V& VI
	Generic Elective(GE)	2	2 x 2=4	III & IV
	Lab on Project (LoP)	1	1	III to V
IV	Environmental Studies(AECC)	1	2	I
	Value Education (VE) (Human Rights, Womens' Rights) (AECC)	2	4	II and III
	General Awareness(On-Line Exam) (AECC)	1	2	IV
	RM (AECC)	1	2	V
	Innovation, IPR, Entrepreneurship (AECC)	1	2	VI
V	Extension Activity NSS / Sports / Department Activity	-	1	I to VI
TOTAL CREDITS			140	



CURRICULUM

B.Sc. COSTUME DESIGN AND FASHION PROGRAMME

CourseCode	Course Category	CourseName	L	T	P	Exam (hours)	MaxMarks			Credits
							CIA	ESE	Total	
First Semester										
Part-I										
191TL1A1TA	Language - I	Tamil-I	4	1	-	3	25	75	100	3
191TL1A1HA		Hindi-I								
191TL1A1MA		Malayalam-I								
191TL1A1FA		French -I								
Part-II										
191EL1A1EA	Language- II	English - I	4	-	1	3	25	75	100	3
Part-III										
192CF1A1CA	Core - I	Fashion Designing	4	-	-	3	25	75	100	4
192CF1A1CP	Core Practical - I	Fashion Designing Lab	-	-	4	3	40	60	100	2
192CF1A1CQ	Core Practical - II	Apparel Designing Lab	-	-	6	3	40	60	100	3
194CT1A1IA	IDC - I	Computers in the Garment Industry	4	-	-	3	25	75	100	4
Part-IV										
193MB1A1AA	AECC - I	Environmental studies	2	-	-	3	-	50	50	2
Total			18	1	11				650	21



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
Second Semester										
Part-I										
191TL1A2TA	Language - I	Tamil-II	4	1	-	3	25	75	100	3
191TL1A2HA		Hindi-II								
191TL1A2MA		Malayalam-II								
191TL1A2FA		French-II								
Part-II										
191EL1A2EA	Language - II	English-II	4	-	1	3	25	75	100	3
Part-III										
192CF1A2CA	Core - II	Pattern Making and Grading	4	-	-	3	25	75	100	4
192CF1A2CB	Core - III	Fashion Concepts	4	-	-	3	25	75	100	4
192CF1A2CP	Core Practical - III	Advanced Fashion Illustration Lab	-	-	6	3	40	60	100	3
196BM1A2IA	IDC - II	Entrepreneurial Development	4	-	-	3	25	75	100	4
Part-IV										
196BM1A2AA	AECC - II	Human Rights	2	-	-	3	-	50	50	2
Total			22	1	7				650	23



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
Third Semester										
192CF1A3CA	Core - IV	Textile Science	4	-	-	3	25	75	100	4
192CF1A3CB	Core - V	Sewing Technology	4	-	-	3	25	75	100	4
192CF1A3CC	Core - VI	Surface Embellishment	3	1	-	3	25	75	100	4
192CF1A3CP	Core Practical - VI	Textile Science Lab	-	-	4	3	40	60	100	2
192CE1A3IB	IDC - III	Chemistry in Textiles	4	-	-	3	25	75	100	4
192CF1A3SP	SEC - I	Children's Apparel Lab	-	-	6	4	40	60	100	3
	GE - I		2	-	-	2	-	50	50	2
	LoP	Lab on Project	-	-	-	-	-	-	-	-
Part-IV										
191TL1A3AA	AECC -III	Basic Tamil	2	-	-	3	-	50	50	2
191TL1A3AB		Advanced Tamil								
195CR1A3AA		Women's Rights								
Total			19	1	10				700	25



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
Fourth Semester										
Part-III										
192CF1A4CA	Core - VII	Fabric Construction	4	-	-	3	25	75	100	4
192CF1A4CB	Core - VIII	Traditional Textiles and Costumes of India	4	-	-	3	25	75	100	4
192CF1A4CP	Core Practical - V	Fabric Construction Lab		-	4	3	40	60	100	2
192CF1A4CQ	Core Practical - VI	Draping Lab	-	-	4	3	40	60	100	2
195AT1A4IB	IDC - IV	Business Accounting	4	-	-	3	25	75	100	4
192CF1A4SP	SEC - II	Women's Apparel Lab	-	-	6	4	40	60	100	3
	GE - II		2	-	-	2	-	50	50	2
	LoP	Lab on Project	-	-	-	-	-	-	-	-
Part-IV										
191TL1A4AA	AECC -IV	Basic Tamil	2	-	-	3	-	50	50	2
191TL1A4AB		Advanced Tamil								
192PY1A4AA		General awareness								
Total			16	-	14				700	23



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
Fifth Semester										
Part-III										
192CF1A5CA	Core - IX	Textile Processing and Dyeing	4	-	-	3	25	75	100	4
192CF1A5CB	Core - X	Textile Printing	4	-	-	3	25	75	100	4
192CF1A5CP	Core Practical - VII	Textile Processing, Dyeing and Printing Lab	-	-	4	3	40	60	100	2
192CF1A5CQ	Core Practical - VIII	Computer Aided Designing Lab -I	-	-	6	3	40	60	100	3
192CF1A5SP	SEC - III	Men's Apparel Lab	-	-	6	4	40	60	100	3
192CF1A5LA	LoP	Lab on Project	-	-	-	-	50	-	50	1
192CF1A5TA	IT	Industrial Training	Grade A to C							
Part-IV										
192MT1A5AA	AECC - V	Research Methodology	2	-	-	3	-	-	50	2
192CF1A5DA	DSE - I	Garment Quality and Cost Control	4	-	-	3	25	75	100	4
192CF1A5DB		Introduction to Technical Textiles								
192CF1A5DC		Fashion Photography								
Total			14	-	16				700	23



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
Sixth Semester										
Part-III										
192CF1A6CA	Core - XI	Textile finishes	4	-	-	3	25	75	100	4
192CF1A6CB	Core - XII	Home textiles	4	-	-	3	25	75	100	4
192CF1A6CP	Core Practical - IX	Computer Aided Designing Lab - II	-	-	6	4	40	60	100	3
192CF1A6SV	SEC - IV	Project- Fashion Portfolio presentation	-	-	6	-	40	60	100	3
192CF1A6DA	DSE - II	Apparel Marketing and Merchandising	4	-	-	3	25	75	100	4
192CF1A6DB		Principles of Textile Testing								
192CF1A6DC		Fashion Merchandising								
192CF1A6DD	DSE - III	Retail Management	4	-	-	3	25	75	100	4
192CF1A6DE		Eco-textiles and its sustainability								
192CF1A6DF		Visual Merchandising								
Part-IV										
193BC1A6AA	AECC - VI	Innovation, IPR and Entrepreneurship	2	-	-	3	-	-	50	2
Part-V										
192CF1A6XA		Extension Activity	-	-	-	-	50	-	50	1
Total			18	-	12				700	25
Grand Total									4100	140



DISCIPLINE SPECIFIC ELECTIVE

Students shall select the desired course of their choice in the listed elective course during Semesters V & VI

Semester V (Elective I)

List of Elective Courses

S. No.	Course Code	Name of the Course
1.	192CF1A5DA	Garment Quality and Cost Control
2.	192CF1A5DB	Introduction to Technical Textiles
3.	192CF1A5DC	Fashion Photography

Semester VI (Elective II)

List of Elective Courses

S. No.	Course Code	Name of the Course
1.	192CF1A6DA	Apparel Marketing
2.	192CF1A6DB	Principles of Textile Testing
3.	192CF1A6DC	Fashion Merchandising

Semester VI (Elective III)

List of Elective Courses

S. No.	Course Code	Name of the Course
1.	192CF1A6DD	Retail Management
2.	192CF1A6DE	Eco-textiles and its sustainability
3.	192CF1A6DF	Visual Merchandising



GENERIC ELECTIVE COURSES (GE)

The following are the courses offered under Generic Elective Course

Semester III (GE-I)

S. No.	Course Code	Course Name
1	192CF1A3GP	Basics of Fashion-Practical

Semester IV (GE-II)

S. No.	Course Code	Course Name
1	192CF1A4GP	Basics of Sewing-Practical

EXTRA CREDIT COURSES

The following are the courses offered under self study to earn extra credits:

S. No.	Course Code	Course Name
1	192CF1A3SSA	Fashion Logos and labels
2	192CF1A3SSB	Personality development

CERTIFICATE PROGRAMMES

The following are the programme offered to earn extra credits:

S. No.	Programme Code and Name	Course Code	Course Name
1		17CCF1A/17CCF1P	Certificate course in Embroidery under Bharathiar University
2	2CF5A Certificatecoursein Textile Printing	192CF5A1CP	Textile Printing
3	2CF5B Certificatecoursein Textile SurfaceEmbellishment	192CF5B1CP	Textile Surface Embellishment



MOOC (NPTEL/SWAYAM/SPOKEN TUTORIAL)

The following are the online courses offered:

Please refer the following link to select the courses

www.swayam.org

www.nptel.ac.in

www.spoken-tutorial.org



Course Code	Course Name	Category	L	T	P	Credit
192CF1A1CA	CORE : FASHION DESIGNING	CORE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- The concepts of Fashion
- Different terms on Fashion
- Various concepts of dress designing and wardrobe planning

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Apply the terms related to the fashion industry.	K3
CO2	Apply the design and its types and analyze the knowledge of elements of design, principles of design.	K4
CO3	Apply the principles of color in garment design and standardized colour harmonies.	K3
CO4	Designing dresses for unusual figures.	K6
CO5	Planning for various components in Wardrobe.	K6

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	M	M	S	M
CO2	S	S	S	S	S
CO3	M	S	M	S	S
CO4	M	M	M	S	S
CO5	S	S	S	S	S

S Strong

M Medium

L Low



192CF1A1CA	CORE : FASHION DESIGNING	SEMESTER I
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Total Credits: 4

Total Instructions Hours: 48 H

Syllabus

Unit I Fashion Terms 10 H

Terms related to the fashion industry- fashion, style, fad, classic and collection, chic, custom made, mannequin, fashion show, trend, forecasting, high fashion, fashion cycle, haute couture, couture, couturier, fashion director, fashion editor, line, knock-off, avant-garde, bridge, buying house, apparel, fashion merchandising, pret-a-porter, sample.

Unit II Basics of Design 10 H

Design-definition and types- structural and decorative design, requirements of a good structural and decorative design. Elements of design- line, shape or form, colour, size and texture. Application of structural and decorative design in a dress. Fashion accessories-shoes, handbags, hats, ties- different types/ shapes. Principles of design- balance, rhythm, emphasis, harmony and proportion. Application of principles of design in a dress.

Unit III Colour Theories 09 H

Colour-definition, colour theories- prang colour chart and munsell colour system, dimensions of colour- hue, value and intensity. Standard colour harmonies-application in dress design. Colour in principles of design-application of the same in dress design.

Unit IV Designing for unusual figures 09 H

Designing dresses for unusual figures - becoming and unbecoming for the following figure types- stout figure, thin figure, slender figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face, prominent chin and jaw, prominent forehead.

Unit V Wardrobe planning 10H

Wardrobe planning for different age groups, factors influencing wardrobe selection based on fashion and season. Designing dresses for different occasions- business meetings, parties/dinners, evenings/leisure hours, marriage functions, sports, uniforms for civil service, airhostess, hoteliers, schools- girls and boys (school, high school).



Text Books

- 1 John Peacock, 2005. The Complete Fashion Source Book. Thames and Hudson, London.
- 2 Sumathi G J, 2002. Elements of Fashion Apparel Design. 1st Edition, New Age International Pvt Ltd.

References

- 1 Tracy Diane and Tom Cassid, 2005. Colour Forecasting. Om Books International.
- 2 Charlotte Mankey Calasibetta and Phyllis Tortora, 2005. Dictionary of Fashion. Om Books International.
- 3 Sumathi.G.J, 2002. Elements of Fashion and Apparel Design. New Age international publishers
- 4 Bennett, 1998. Inside the fashion business. Coleman & Co, Mumbai



192CF1A1 CP	FASHION DESIGNING LAB	SEMESTER I
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Total Credits: 2

Total Instructions Hours: 4

S.No	Contents
1	Prepare the following charts Prang colour chart Value chart Intensity chart
2	Creating illustrations with various garment styles for men, women and children- for casual wear, party wear and sports wear.
3	Illustrate garment designs for the elements of design Line Shape or form Color Size Texture
4	Illustrate and apply principles of design and color harmonies in a garment Balance Harmony Emphasis Proportion Rhythm
5	Color harmonies Monochromatic Analogous Complementary Double complementary Split complementary Triad



Neutral.

- 6 Developing illustrations from the pictures of magazine. Analyzing a normal figure into fashion figure- front and back pose to be done using pictures from magazines.



192CF1A1CQ	APPAREL DESIGNING LAB	SEMESTER I
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Total Credits: 3

Total Instructions Hours: 6

S.No	Contents
	Preparation of samples for seams and seam finishes
	Seam
	Plain seam
	Top stitched seam
	Flat fell seam
	French seam
	Mantua maker seam
1	Piped seam.
	Seam finishes
	Pinked finish
	Edge stitched finish
	Double stitch finish
	Overcast finish
	Herringbone finish
	Bound seam edge finish.
	Preparation of samples for hems
	Seam binding hem
	Stitched and turned hem
2	Catch stitched hem
	Narrow machine stitched hem
	Rolled or whipped hem
	Shell edged hem
	Preparation of samples for fullness(ANY 3)
	Darts
3	Tucks
	Pleats



Godets

Gathers and Shirrs

Frills /Ruffles

Preparation of samples for facing and binding

Facing (ANY 1)

Shaped facing

4 Bias facing.

Binding (ANY 1)

Single bias binding

Double bias binding

Preparation of samples for plackets and fasteners(ANY 2)

Plackets

Continuous bound

Bound and faced placket

Zipper placket

5 Tailored Placket

Fasteners (ANY 2)

Button and Button hole

Button loops

Snaps / press button

Hook and eye



Course Code	Course Name	Category	L	T	P	Credit
194CT1A1IA	COMPUTERS IN THE GARMENT INDUSTRY	IDC	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- Computer Aided Designing.
- Computerized machineries.
- Various concepts of CAD, CAM, CIM, CAA, PPC

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Classifying the computers its generations and specification, organization of computer sections and its storage.	K4
CO2	Connect role of computers in fashion industry functions of CAD, CAM, CIM, CAA, PPC and Computerized colour matching system.	K4
CO3	Summarize Designing- Creating embroidery designs, Garment designing, 2D and 3D forms.	K4
CO4	Write about CAD in pattern making and grading	K6
CO5	Develop Computer application in fabric defect checking, laying/spreading, cutting marker planning, labelling. Computerized sewing machines and Recent	K6

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	M	M	M	M
CO2	M	M	M	M	M
CO3	S	M	S	S	M
CO4	M	S	S	S	S
CO5	S	S	S	S	S

S

Strong

M

Medium

L

Low



Dr.NGPASC

COIMBATORE | INDIA

194CT1A1IA	COMPUTERS IN THE GARMENT INDUSTRY	SEMESTER I
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Total Credits: 4

Total Instructions Hours: 48 H

Syllabus

Unit I Introduction to Computers **10 H**

Classification of computers, computer generations, computer specification, organization of computer sections. Types of storage devices (primary and secondary), input devices, output devices.

Unit II Basics of Computers **11 H**

Role of computers in fashion industry- Information flow- CAD, CAM, CIM, CAA, PPC- definition and functions. Computerized colour matching system.

Unit III Computers in Textiles **10 H**

Textile designing- weaving, knitting and printing. Creating embroidery designs. Garment designing- 2D and 3D forms.

Unit IV Computers in Garment Design **07 H**

CAD in pattern making and grading- system description- information flow- process involved in pattern making, process involved in pattern grading.

Unit V Computers in Garment Construction **10H**

Computer application in fabric defect checking, laying/spreading, cutting, marker planning, labelling- parts and functions. Computerized sewing machines. Recent developments of computers in fashion industry.



Text Books

- 1 Harold Carr and Barbara Latham, 1994. The Technology of Clothing Manufacture. Blackwell Ltd.
- 2 Sheela John.R and Amsamani.S, 2013. Computers in the Garment Industry. Ganesh Shankar D, Siva Salapathy Printers, Coimbatore.

References

- 1 Mahadevan.M.G, 2008. Textile Robotics and Automation. Abhishek Publishing
- 2 Balagurusami.E, 2009. Fundamentals of Computers. Tata McGraw Hill Publishing.
- 3 <https://textileapex.blogspot.com/2014/07/computers-use-in-textile-apparel.html>
- 4 <https://www.slideshare.net/SuvithaLatchupathi/computers-in-apparel-industry>



Course Code	Course Name	Category	L	T	P	Credit
191TL1A2TA	தமிழ்த்தாள் - II	Theory	4	1	-	3

PREAMBLE

This course has been designed for students to learn and understand

- மொழிப் பாடங்களின் வாயிலாக தமிழரின் பண்பாடு, பகுத்தறிவு ஆகியவற்றை அறியச் செய்தல்
- கலை மற்றும் மரபுகளை அறியச் செய்தல்
- மாணவர்களின் படைப்பாக்கத் திறன்களை ஊக்குவித்தல்

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	வாழ்க்கைத்திறன்கள் (Life Skills)- மாணவனின் செயலாக்கத்திறனை ஊக்குவித்தல்	K1,K2,K3
CO2	மதிப்புக்கல்வி (Attitude and Value education)	K2,K4
CO3	பாட இணைச் செயல்பாடுகள் (Co-curricular activities)	K2,K3,K4
CO4	சூழலியல் ஆக்கம் (Ecology)	K4
CO5	மொழி அறிவு (Tamil knowledge)	K5, K6

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	M	S	M	S
CO2	S	M	M	M	M
CO3	S	M	M	M	M
CO4	S	M	M	M	M
CO5	S	M	M	M	M

S Strong

M Medium

L Low



191TL1A2TA	தமிழ்த்தாள் - II	SEMESTER II
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Total Credits: 3
Total Instruction Hours: 60 h

Syllabus

Unit I அற இலக்கியம் 12 h

1. திருக்குறள்

அ.அறன் வலியுறுத்தல் (அ. எண்: 04)

ஆ.நட்பாராய்தல் (அ. எண்: 80)

இ.சான்றாண்மை (அ. எண்: 99)

ஈ.குறிப்பறிதல் (அ. எண்: 110)

2. முதுரை - ஒளவையார் (10 பாடல்கள் - 6,7,9,10,14,16,17,23,26,30)

Unit II அற இலக்கியம் 10 h

1. நாலடியார் - அறிவுடைமை

2.பழமொழி நானூறு - வீட்டு நெறி

3. கார்நாற்பது - தோழி பருவங்காட்டி தலைமகளை வற்புறுத்திய பாடல்கள்
(1முதல் - 18பாடல்கள்)

Unit III உரைநடை 10 h

1. பெற்றோர்ப் பேணல் - திரு.வி.க.

2. உள்ளம் குளிர்ந்தது - மு.வரதராசனார்

3. சங்கநெறிகள் - வ.சுப.மாணிக்கம்

Unit IV உரைநடை 13 h

1.பெரியார் உணர்த்தும் சுயமரியாதையும் சமதர்மமும் - வே. ஆனைமுத்து

2. வீரவணக்கம் - கைலாசபதி

3.மொழியும்நிலமும் - எஸ். ராமகிருஷ்ணன்

Unit V இலக்கிய வரலாறு, இலக்கணம் மற்றும் பயிற்சிப்பகுதி 15 h

அ.இலக்கிய வரலாறு

1. பதினெண் கீழ்க்கணக்கு நூல்கள்

2. தமிழ் உரைநடையின் தோற்றமும் வளர்ச்சியும்

ஆ. இலக்கணம்

1. வழு, வழுவமைதி, வழாநிலை

இ. பயிற்சிப்பகுதி

1. நூல் மதிப்பீடு மற்றும் திரைக்கதை திறனாய்வு

2. தன்விவரக் குறிப்பு எழுதுதல்



Text Books

- 1 தொகுப்பு: தமிழ்த்துறை, டாக்டர் என்.ஜி.பி. கலை மற்றும் அறிவியல் கல்லூரி (தன்னாட்சி) செய்யுள் மற்றும் உரைநடைத் திரட்டு. (முதல்பதிப்பு.) சென்னை: நியூ செஞ்சுரி பக்ஹவுஸ் (பி) லிட்.

References

- 1 பேராசிரியர் புலவர் இளவரசு, சோம. (ஜூலை2012). தமிழ் இலக்கிய வரலாறு. (எட்டாம் பதிப்பு) சென்னை: மணிவாசகர் பதிப்பகம்.
- 2 பேராசிரியர் முனைவர் பாக்கியமேரி (2013). இலக்கணம் இலக்கிய வரலாறு மொழித்திறன். (முதல் பதிப்பு) சென்னை புவேந்தன் பதிப்பகம்.
- 3 தமிழ் இணையக் கல்விக்கழகம் <<http://www.tamilvu.org/>>



Course Code	Course Name	Category	L	T	P	Credit
191TL1A2HA	HINDI-II	Theory	4	1	-	3

PREAMBLE

This course has been designed for students to learn and understand

- To develop the writing ability and develop reading skill.
- To learn various concepts and techniques for criticizing literature
- To learn the techniques for expansion of ideas and translation process.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Learn the fundamentals of novels and stories	K1
CO2	Understand the principles of translation work	K2
CO3	Apply the knowledge writing critical views on fiction	K3
CO4	Build creative ability	K3
CO5	Expose the power of creative reading	K2

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	M	M	M	S
CO2	S	M	M	M	S
CO3	S	M	M	M	S
CO4	S	M	S	M	S
CO5	S	M	S	M	S

S Strong

M Medium

L Low



191TL1A2HA	HINDI-II	SEMESTER II
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Total Credits: 3
Total Instruction Hours: 60 h

Syllabus

Unit I

15 h

आधुनिकपद्य – शबरी(श्रीनरेशमेहता)

प्रकाशक: लोकभारतीप्रकाशन

पहलीमंजिल, दरबारीबिल्डिंग,

महात्मागाँधीमार्ग, इलाहाबाद-211001

Unit II

15 h

उपन्यास: सेवासदन-प्रेमचन्द

प्रकाशक: सु मन्त्रप्रकाशन

204 लीलाअपार्टमेंट्स, 15 हेस्टिंग्सरोड

अशोकनगरइलाहाबाद-211001

Unit III

15 h

अनुवादअभ्यास-III (केवलहिन्दीसेअंग्रेजीमें)

(पाठ1 to 10)

प्रकाशक: द क्षणभारतप्रचारसभाचेनई-17

Unit IV

15 h

पत्रलेखन: (औपचारिकयाअनौपचारिक)



Course Code	Course Name	Category	L	T	P	Credit
191TL1A2FA	FRENCH- II	Theory	4	1	-	3

PREAMBLE

This course has been designed for students to learn and understand

- To Acquire Competence in General Communication Skills – Oral + Written – Comprehension & Expression
- To Introduce the Culture, life style and the civilization aspects of the French people as well as of France
- To help the students to acquire Competency in translating simple French sentences into English and vice versa

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Learn the Basic verbs, numbers and accents	K1
CO2	To learn the adjectives and the classroom environment in France	K2
CO3	Learn the Plural, Articles and the Hobbies	K3
CO4	To learn the Cultural Activity in France	K3
CO5	To learn the Sentiments, life style of the French people and the usage of the conditional tense	K2

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	M	M	M	S
CO2	S	M	M	M	S
CO3	S	M	S	M	S
CO4	S	M	S	M	S
CO5	S	M	S	M	S

S Strong

M Medium

L Low



191TL1A2FA	FRENCH- II	SEMESTER II
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Total Credits: 3

Total Instruction Hours: 60 h

Syllabus

Unit I – Super! 13 h

• Compétence Culturelle

L'égalité homme/femme

Compétence De communication

INTERACTION:

Exprimer des sentiments, exprimer la joie, le plaisir, le bonheur

• RÉCEPTION ORALE:

Comprendre un jeuradiophonique

• RÉCEPTION ÉCRITE:

Comprendre des annonces

• PRODUCTION ÉCRITE:

Écrire des cartespostales •

Compétence grammaticale

Les noms de professions masculine/feminine

• Le verb finir et less

Verbes du groupe

en-ir

• Le present de l'impératif

• Savoir(present)

• Le participe passé:

Fini, aimé, arrive, dit,écrit

• Quel(s), quelle(s)..:

Interrogatif et Exclamatif

• À + infinitive

• Les articles: n,une,des

Unit II Quoi? 13 h

Compétence Culturelle



Petits progrès Grand progrès

Compétence De communication

- INTERACTION:

Decrirequelque chose, unepersonne

- RECEPTION ORALE:

Comprendre un message publicitaire

- RÉCEPTION ÉCRITE:

Comprendre un dépliant touristique

- PRODUCTION

ÉCRITE: Écrire des petites annonces

Compétence grammatical

- On
- Plus, moins
- Le verbe aller:
- Present, impératif
- Aller + infinitive
- Le pluriel en -x

Unit III – Et après

12 h

Compétence Culturelle

Nouvelles du jour

Compétence De communication

INTERACTION:

Raconteur, situer un récit dans le temps

RÉCEPTION ORALE:

Comprendre une description

RÉCEPTION ÉCRITE:

Comprendre un test

PRODUCTION ÉCRITE:

écrire des cartes postales

Compétence grammaticale

L'imparfait:: quel-Ques forms pour introduire le récit: Il faisait, il y avait, il Était

Un peu, beaucoup, trop, Assez

Très

Le verbe venir:

Dr. NGPASC



COIMBATORE | INDIA

Présent, impératif

En Suisse, au Maroc, aux Etats-Unis

Unit IV Maisoui!

12 h

Compétence Culturelle

La génération des 20-30 ans

Compétence De communication

INTERACTION:

Donner son opinion,

Expliquer pourquoi

RÉCEPTION ORALE:

Comprendre des informations à la radio

RÉCEPTION ÉCRITE:

Comprendre un texte informatif

PRODUCTION ÉCRITE:

écrire un mémo de protestation

Compétence grammaticale

Répondre, prendre:

Présent, impératif, part Passé

Parce que pourquoi

Tout/tous, toute/s

Tous/toutes les...

(répétition action)

Unit V Maison!

10 h

• Compétence Culturelle

De la ville à la campagne

Compétence De communication

INTERACTION:

Débat: exprimer l'accord, exprimer le Désaccord

RECEPTION ORALE:

Comprendre un message sur un répondeur téléphonique

RÉCEPTION ÉCRITE:

Comprendre un témoignage

PRODUCTION ECRITE: Rédiger des petites Annonces immobilières



Compétence grammaticale

Le verbe devoir: Present et participe passé

Le verbe vivre, present

Aller + infinitive

Venir+ infinitive

Etre pour/contre

Text Books

- 1 Marcella Di Giura Jean-Claude Beacco, Alors! New Delhi - 110007: Goyal Publishers Pvt Ltd 86, University Block Jawahar Nagar (Kamla Nagar).



Course Code	Course Name	Category	L	T	P	Credit
191TL1A2MA	MALAYALAM-II PROSE: NON-FICTION	Theory	4	1	-	3

PREAMBLE

This course has been designed for students to learn and understand

- To develop the writing ability and develop reading skill.
- To learn various concepts and techniques for criticizing literature.
- To learn the techniques for expansion of ideas and translation process.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Learn the fundamentals of novels and stories	K1
CO2	Understand the principles of translation work	K2
CO3	Apply the knowledge writing critical views on fiction	K3
CO4	Build creative ability	K3
CO5	Expose the power of creative reading	K2

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	M	M	M	S
CO2	S	M	M	M	S
CO3	S	M	S	M	S
CO4	S	M	S	M	S
CO5	S	M	S	M	S

S Strong

M Medium

L Low



191TL1A2MA	MALAYALAM-II PROSE: NON-FICTION	SEMESTER II
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Total Credits: 3
Total Instruction Hours: 60 h

Syllabus

Unit I	12 h
Biography	
Unit II	12 h
Biography	
Unit III	12 h
Travelogue	
Unit IV	12 h
Travelogue	
Unit V	12 h
Travelogue	

Text Books

- 1 Unit III, IV &V:Pottakkadu,S.K. KappirikaludeNattil. Kottayam: D.C. Books.
- 2 Bhatathirippadu,V.T.KannerumKinavum. Kottayam: D.C. Books.

References

- 1 Dr. George,K.M.(.). Jeevacharitrasahithyam. (Edn.) Kottayam: N.B.S.
- 2 Dr. NaduvattomGopalakrishnan.JeevacharitrasahithyamMalayalathil. Trivandrum:Kerala BhashaInstitute.
- 3 Dr. VijayalamJayakumar. AthmakathasahithyamMalayalathil. (Kottayam:N.B.S.
- 4 Prof. Ramesh Chandran.SancharasahithyamMalayalathil. (10 Edn.) Trivandrum: Kerala Bhasha Institute.



Course Code	Course Name	Category	L	T	P	Credit
191EL1A2EA	ENGLISH - II	Language - II	4	0	1	3

PREAMBLE

This course has been designed for students to learn and understand

- To experience the effect of dialogue, the brilliance of imagery and the magnificence of varied genres
- To strengthen the student's English vocabulary and understanding of English sentence structure
- To communicate effectively and acquire knowledge on the transactional concept of English language

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Interpret skills in communication and to shape their attitude	K2
CO2	Develop oral and written language skills in a business context	K3
CO3	Analyze to gain key strategies and expressions for communicating with professionals	K4
CO4	Inspect the knowledge to the corporate needs	K4
CO5	Formulate Inter and Intrapersonal skills	K6

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	M	M	S
CO2	S	S	S	S	S
CO3	M	S	S	S	M
CO4	S	S	M	S	M
CO5	S	S	S	S	M

S

Strong

M

Medium

L

Low



191EL1A2EA	ENGLISH - II	SEMESTER II
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Total Credits: 3
Total Instructions Hours: 60

Syllabus

Unit I	Technical English	10
	Communication: Process- Methods- Channels- Barriers of Communications Phonetics: Basics of phonetics - Consonants and Vowel sounds - Pronunciation Guidelines- Problem Sounds and Differences in Pronunciation Reading Skills: Skimming and Scanning- Reading Different Kinds of Texts- Types- Developing a Good Reading Speed Writing Skills: Note- Making and note taking, Summarizing and Paraphrasing- Paragraph Writing: Structure and principles	
Unit II	Business English	11
	Structure and Planning of Letters: Elements of Structure- Forms of Layout- Style- Importance and Steps for Planning- Writing Business Letters Quotation, Order and Tender: Inviting - Sending Quotation letter - Placing Orders- Inviting Tenders E-mail Correspondence: Structure- Procedure- Style- Guidelines- Jargon and Acronyms- Security Precaution Seminar and Meetings: Introduction- Organizing a Seminar- Sample Brochure- Conducting and Participating in a Meeting	
Unit III	Professional English	14
	Report Writing: Importance- Process- Types- Structure Memo: Importance- Structure Notice, Agenda and Minutes: Meeting- Notice- Agenda- Minutes: Preparation- Structure- Delivery Brochures: Purpose- Audience- Qualities	
Unit IV	Employment Communication	11
	Resume Writing : Elements of Resume - difference between CV and Resume - Writing Job Application Art of Conversation: Small Talk- Body Language- Principles of Good Conversation Interview: Organizational role- Goals- Types- Interview Process	



Unit V Soft Skills

14

Self - Discovery and Goal Setting: Self - Discovery - What Comprises It?- Goals and Types- Benefits, Areas and Clarity of Goal Setting - Critical thinking

Positive Thinking (PT) and Attitude: Benefits of PT and Attitude- Develop Positive Attitude and Thinking- Drive out Negative Thinking and Attitude

Etiquettes and Manners: Home, Table and Business- Time Management: Nature and Characteristics- Objectives and Significance

Developing Emotional Intelligence (EI): Salient Features- Components of EI- Intrapersonal Development

Text Books

- 1 Prabha, Dr. R. Vithya & S. Nithya Devi. 2019. Sparkle. (1st Edn.) McGraw - Hill Education. Chennai.
- 2 Rizvi, Ashraf. M. 2018. Effective Technical Communication. McGraw - Hill Education, Chennai.

References

- 1 Ghosh, B.N. Editor. 2017. Managing Soft Skills for Personality Development. McGraw - Hill Education, Chennai.
- 2 Adams, Katherine L. and Gloria I. Galanes. 2018. Communicating in Groups- Applications and Skills. McGraw - Hill Education, Chennai.
- 3 Koneru, Aruna. 2017. Professional Communication. McGraw - Hill Education, Chennai.
- 4 Koneru, Aruna. 2011. English Language Skills. McGraw - Hill Education, Chennai.
- 5 Sharma, R.C. and Krishna Mohan. 2016. Business Correspondence and Report Writing. 5th Edn. McGraw - Hill Education, Chennai.



Course Code	Course Name	Category	L	T	P	Credit
192CF1A2CA	PATTERN MAKING AND GRADING	CORE	4	1	-	4

PREAMBLE

This course has been designed for students to learn and understand

- To understand the importance of body measurements.
- To know the types of pattern making.
- To explain the fitting and grading.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Explaining the importance of body measurements	K2
CO2	Show the definition, types and methods of pattern making and illustrate the basic bodice and sleeve pattern.	K3
CO3	Develop the styles created by shifting of blouse darts and explain the standards of a good fit and the solving fitting problems in a blouse.	K3
CO4	Outline the pattern alteration and its importance and develop the definition and types of pattern grading to the graded patterns of basic bodice and sleeve.	K4
CO5	Analyze about pattern alteration and Dart Manipulation	K5

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	M	S
CO2	M	S	S	S	S
CO3	S	S	M	S	S
CO4	S	S	M	M	M
CO5	S	S	M	M	S

S Strong

M Medium

L Low



192CF1A2CA	PATTERN MAKING AND GRADING	SEMESTER II
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Measurement Tools 10 h

Pattern making- Definition, Types, Drafting, Draping and Flat pattern making- merits and demerits. Body measurement - importance, preparing for measuring and tools for taking measurements - Manual. Body measurements for Men, Women and Children.

Tools for Clothing Construction-Cutting tools, Measuring tools, Marking tools, General tools and Pressing tools.

Unit II Drafting Techniques 10 h

Drafting -Principles of pattern drafting, Pattern details, steps in drafting basic bodice front, back, sleeve and collar for Men, Women and Children. Types of paper patterns (Patterns for personal measurements and commercial patterns)

Draping- Techniques to drape basic front bodice, basic back bodice and Skirt using dress Form.

Unit III Grading 9 h

Grading- definition, principles of grading- master and basic grades- back, front, sleeve and collar. An introduction to computerized grading.

Preparation of fabric for cutting -importance of grain in cutting and construction, steps in preparing the fabric for cutting.

Unit IV Pattern Layout 10 h

Pattern Layout- Definition, Types, Rules to remember in Pattern layout. Fabric Cutting, Transferring Pattern Markings- Types, Stay Stitching and Ease Stitching. Fitting- standards of a good fit, different types of fit- classic fit, slim fit, super slim fit.

Unit V Pattern alteration 9 h

Pattern alteration - Importance of Altering patterns, general principles for Pattern alteration. Common Pattern alterations.

Dart Manipulation- Creating Styles through Shifting blouse dart to new position, adding fullness at the top and bottom edges of the bodice, converting darts to seams, incorporating darts into a seam forming the yoke, converting darts to a partial yoke design.



Text Books

- 1 Mary Mathews, (1986)). Practical Clothing Construction - Part I And II Cosmic Press, Chennai.

References

- 1 Helen Joseph, Armstrong, (2006). Pattern Making for Fashion Design. Library Of Congress: In-Publication Data
- 2 Martin M Shoben, (1987). Pattern Cutting And Making Up: Cbs Publishers And Distributors. P (ltd).
- 3 Gerry Cooklin, (1990). Pattern Grading For Women's Clothing, The Technology Of Sizing: Blackwell Science Ltd.
- 4 Mary Mathews Practical Clothing Construction: Designing Drafting and Tailoring - .



Course Code	Course Name	Category	L	T	P	Credit
192CF1A2CB	FASHION CONCEPTS	CORE	4	1	-	4

PREAMBLE

This course has been designed for students to learn and understand

- The Stages Of Fashion in a textile industry
- Fashion Design Process
- Fashion design presentation and how to develop themes

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Understand the fashion evolution and fashion cycle.	K3
CO2	Categorize the different types of Fashion theories	K4
CO3	Restate Factors influencing fashion change.	K3
CO4	Restate the stages of design and design process	K5
CO5	Apply the Fashion design Presentation and theme development	K4

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	M	M	S	M
CO2	S	S	S	S	S
CO3	M	M	M	S	S
CO4	M	M	M	S	S
CO5	S	S	S	S	S

S Strong

M Medium

L Low



192CF1A2CB	FASHION CONCEPTS	SEMESTER II
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Fashion Evolution 8 h

Fashion cycles, repetition of fashion. Fashion evolution- fashion cycles, length of cycles, consumer groups in fashion cycles. Fashion leaders, fashion innovators, fashion motivation, fashion victim, fashion followers. Role of fashion designers in the industry

Unit II Fashion theories 10 h

Fashion theory- trickle down, trickle up and trickle across theory.

Fashion forecasting- aim of fashion forecasting. Role of fashion predictors, six disciplines of forecasting, analysis of consumer preference, components of fashion forecasting.

Unit III Factors influencing fashion change. 10 h

Factors influencing fashion changes- psychological needs of fashion, social psychology of fashion, technological, economical, political, legal and seasonal influence, Role of costume as a status symbol, cultural value, personality and dress, cloths as a sex apple

Unit IV Design process 12 h

Stages of design process First stage - Analyze the Design Brief, Second stage - Research Inspiration, Third stage - Research inspiration, Creative Process Production of Prototype, Evaluation of Collection

Unit V Fashion design Presentation 12 h

Fashion Design Presentation - Graphical Skills, IT Skills, Presentation Skills. fashion portfolio presentation - Concept and Theme Development- Mood Boards and Story Boards, Fabric Sourcing and Pattern Drafting.



Text Books

- 1 Gini Stephens Frings, (1999.). Fashion- From Concept to Consumer - 6th Edition. (Edn.) :Prentice Hall.
- 2 Hindol Sengupta, (2005). Indian Fashion. : Pearson Education.

References

- 1 Bennett, (1998). Inside the Fashion Business. (10 Edn.) : Coleman and Co, Mumbai.
- 2 Sumathi.G.J (2002). Elements of Fashion and Apparel Design.. (10 Edn.) :.
- 3 Oliver Gerval, (2008). Fashion Concept to catwalk
- 4 Gini Frings (1982). Fahion from concept to Consumer. (Seventh edition Edn.)



192CF1A2CP	ADVANCED FASHION ILLUSTRATION LAB	SEMESTER II
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Total Credits: 3
Total Instructions Hours: 48 h

S.No	List of Experiments
1	Learning the usage of various drawing and sketching mediums- pencils, ink, charcoal, crayons and poster colors
2	Illustrating pattern details- pockets, sleeves, yokes, skirts, trousers, tops, pleats.
3	Illustrating different type of ornaments and accessories (any ten).
4	Learning various types of hair styling (any ten).
5	Design the fashion Shilloute/ object with 3D effect
6	Design the fashion Shilloute with texture (fabric)
7	Design and develop the Scribble art
8	Design the fashion Shilloute with live background
9	Design and extend the Shadow drawing for a fashion figure.
10	Collage work on fashion Shilloute with paper/fabric

NOTE : Any 8 Exercises Only

References

1. Ireland Patrick John, 2005. Fashion Design Illustration: Children. Om Book International.
2. Manuela Brambatti, 2017. Fashion illustration and Design: Method and techniques for achieving professional.
3. Patrick John, 2005. Fashion Design Illustration: Men. Om Book International.
4. Raviraj, 2007. Pencil Shading – Basic Techniques. New Century Book House (P) Ltd.



Course Code	Course Name	Category	L	T	P	Credit
196BM1A2IA	ENTREPRENEURIAL DEVELOPMENT	ALLIED	4		-	4

PREAMBLE

This course has been designed for students to learn and understand

- To understand the character, function, types and factors affecting entrepreneurship
- To identify the institutional support, projects and source of finance for entrepreneurs
- How to become an entrepreneur

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	To know the Meaning, Characteristics, Functions and Types of entrepreneur	K2
CO2	To understand the Factors affecting Entrepreneurial growth.	K3
CO3	To identify the institutional support to entrepreneurs.	K3
CO4	To interpret the Characteristics, Classification, Identification and Selection of a project.	K4
CO5	To analyze the Source of finance for a project.	K3

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	M	M	S	S
CO2	M	M	M	S	S
CO3	M	M	M	S	S
CO4	M	M	M	S	S
CO5	M	M	M	S	S

S Strong

M Medium

L Low



196BM1A2IA	ENTREPRENEURIAL DEVELOPMENT	SEMESTER II
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Entrepreneurship 10 h

Meaning of Entrepreneurship - Characteristics - Functions-Types of entrepreneur- Entrepreneur Vs Manager - Role of entrepreneurship in economic development- Women Entrepreneurs-Problems.

Unit II Startups 10 h

Factors affecting Entrepreneurial growth- Entrepreneurship Development Programmes - Need - Objectives - Course contents and Curriculum- Phases - Problems - Steps for starting a small industry.

Unit III Institution support 10 h

Institutional support to entrepreneurs-DIC- NSIC- SIDO- SISI- SIDCO- KVIC-TCO- NPC- Industrial Estates

Unit IV Projects 10 h

Project- Characteristics of a project- Classification- Identification - Selection - Project life cycle phases- project formulation - Contents of a project report - Specimen of a project report - Project Appraisal methods.

Unit V Financial support 8 h

Source of finance for a project - Institutional finance to entrepreneurs- IFCI-ICICI- IDBI- SIDBI- SIPCOT- TIIC- SFC- EXIM Bank.



Text Books

- 1 Khanka.S.S, R (2014). Entrepreneurial Development. : Chand& Company Ltd.
- 2 Gupta.C.B,Srinivasan.N.P. (2015). Entrepreneurial Development. New Delhi: Sultan Chand and Sons.

References

- 1 Choudhury.S (2017). Project Management. Chennai: Tata McGraw Hill Publishing Co. Ltd.
- 2 Sangeeta sharma, (2016). Entrepreneurship Development.Delhi: PHI Learning private limited.
- 3 Nandan.H(2013). Fundamentals of Enterpreneurship. (10 Edn.) Delhi : PHI Learning private limited.



Course Code	Course Name	Category	L	T	P	Credit
196BM1A2AA	HUMAN RIGHTS	AECC	2	-	-	2

PREAMBLE

This course has been designed for students to learn and understand

- To study how human values and personality traits help to develop the characteristics of each individual
- Understanding the moral values towards the enrichment of the society
- Identify the impact of ethics and values on the global development of the current scenario

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Understand the concept of human values, personality traits and character formation.	K2
CO2	Acquire the knowledge through value education towards national and global development.	K1
CO3	Introduce the basic concepts of conflict, emotions and adolescent emotions.	K1
CO4	Illustrate the techniques in therapeutic measures like yoga and meditation.	K2
CO5	Learn the concepts of human rights, rights for women and children and domestic violence.	K3

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	M
CO2	S	M	S	S	S
CO3	S	S	M	S	S
CO4	S	S	S	S	M
CO5	S	S	M	S	S



Strong

M Medium

L Low

COIMBATORE | INDIA

B.Sc. CDF (Students admitted during the AY 2019-20)

196BM1A2AA	HUMAN RIGHTS	SEMESTER II
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Total Credits: 2

Total Instruction Hours: 24 h

Syllabus

Unit I Introduction to human values 05 h

Concept of Human Values - Value Education Towards Personal Development - Aim of education and value education - Evolution of value oriented education - Concept of Human values - Types of values - Components of value education - Personal Development: Self analysis and introspection - Sensitization towards gender equality - Physically challenged - Intellectually challenged - Respect to age - Experience - Maturity - Family members - Neighbours - Co-workers - Character Formation towards Positive Personality: Truthfulness - Constructivity - Sacrifice - Sincerity - Self Control - Altruism - Tolerance - Scientific Vision.

Unit II Value education and Social values 05 h

Value Education Towards National and Global Development National and International Values: Constitutional or national values - Democracy - Socialism - Secularism - Equality - Justice - Liberty - Freedom and fraternity -Social Values - Pity and probity - Self control - Universal brotherhood - Professional Values - Knowledge thirst - Sincerity in profession - Regularity - Punctuality and faith - Religious Values - Tolerance - Wisdom - Character - Aesthetic values - Love and appreciation of literature and fine arts and respect for the same - National Integration and international understanding.

Unit III Global Development on Ethics and Values 04 h

Impact of Global Development on Ethics and Values: Conflict of cross-cultural influences - Mass media - Cross-border education - Materialistic values - Professional challenges and compromise - Modern Challenges of Adolescent Emotions and behave or Sex and spirituality: Comparison and competition - Positive and negative thoughts - Adolescent Emotions - Arrogance - Anger - Sexual instability - Selfishness - defiance.

Unit IV Yoga and Meditation 05 h

Therapeutic Measures: Control of the mind through - Simplified physical exercise - Meditation - Objectives - Types - Effect on body - Mind - Soul - Yoga - Objectives - Types - Asanas - Activities: Moralisation of Desires -Neutralisation of Anger - Eradication of Worries - Benefits of Blessings.

Unit V Human Rights and Rights of Women and Children 05 h

Human Rights - Concept of Human Rights - Indian and International Perspectives
 HUMAN RIGHTS - Definitions under Indian and International



documents - Broad classification of Human Rights and Relevant Constitutional Provisions - Right to Life - Liberty and Dignity - Right to Equality - Right against Exploitation - Cultural and Educational Rights - Economic Rights - Political Rights - Social Rights - Human Rights of Women and Children - Social Practice and Constitutional Safeguards - Female Foeticide and Infanticide - Physical assault and harassment - Domestic violence - Conditions of Working Women - Institutions for Implementation - Human Rights Commission - Judiciary - Violations and Redressal Violation by State - Violation by Individuals - Nuclear Weapons and Terrorism Safeguards.

References

1. Brain Trust Aliyar, 2008, Value Education for health, happiness and harmony. Vethathiri publications, Erode.
2. Grose. D. N, 2005, A text book of Value Education. Dominant Publishers and Distributors, New Delhi.
3. Yogesh Kumar Singh & Ruchika Nath, 2005, Value Education, P. H Publishing Corporation, New Delhi.
4. Venkataram & Sandhiya. N, 2001, Research in Value Education, APH Publishing Corporation, New Delhi.
5. Seetharam. R. (Ed), 1998, Becoming a better Teacher Madras Academic Staff College.
6. Brain Trust Aliyar, 2004, Value Education for Health, Happiness and Harmony. Vethathiri publications, Erode.
7. Swami Vivekananda, 2008, Personality Development. Advaita Ashrama, Kolkata.
8. Dey A. K, 2002, Environmental Chemistry. New Delhi - Vile Dasaus Ltd



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
Third Semester										
192CF1A3CA	Core	Textile Science	4	-	-	3	25	75	100	4
192CF1A3CB	Core	Sewing Technology	4	-	-	3	25	75	100	4
192CF1A3CC	Core	Surface Embellishment	3	1	-	3	25	75	100	4
192CF1A3CP	Core Practical	Textile Science Lab	-	-	4	3	40	60	100	2
192CE1A3IB	IDC	Chemistry in Textiles	4	-	-	3	25	75	100	4
192CF1A3SP	SEC	Children's Apparel Lab	-	-	6	4	40	60	100	3
	GE		2	-	-	2	-	50	50	2
	LoP	Lab on Project	-	-	-	-	-	-	-	-
Part - IV										
191TL1A3AA	AECC - III	Basic Tamil	2	-	-	3	-	50	50	2
191TL1A3AB		Advanced Tamil								
195CR1A3AA		Women's Rights								
Total			19	1	10				700	25

EXTRA CREDIT COURSES

The following are the courses offered under self study to earn extra credits:

S. No.	Course Code	Course Name
1	192CF1ASSA	Fashion Logos and labels
2	192CF1ASSB	Personality development

Course Code	Course Name	Category	L	T	P	Credit
192CF1A3CA	TEXTILE SCIENCE	CORE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- analyse the different types of fibres, yarn and nonwovens.
- about manufacturing process of various fibres, yarn and nonwovens.
- Identify the Process sequence in manufacturing of non wovens fabrics

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Classify the fibres, yarns and its characteristics	K2
CO2	Explain the manufacturing process, properties and uses of natural fibres	K3
CO3	Explain the manufacturing process, properties and uses of man-made fibres	K3
CO4	Summarize the various process of spinning	K4
CO5	Outline the manufacturing of non-woven, types and application	K5

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	M	S
CO2	M	S	S	S	S
CO3	M	S	M	S	S
CO4	M	S	M	S	S
CO5	M	S	M	S	S

S Strong

M Medium

L Low



192CF1A3CA	TEXTILE SCIENCE	SEMESTER III
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Textiles Fibers 10 h

Introduction to the textile fibers-Definition, classification of fibers- natural and man- made- primary and secondary characteristics of textile fibers. Recent fibers used in textile industry-Fiber extraction,properties,end uses of lotus fiber, Fiber extraction,properties,end uses of stinging nettle fiber, Fiber extraction,properties,end uses of coffee ground fibers, Fiber extraction,properties,end uses of spider silk, Fiber extraction,properties,end uses of nano fiber.

Unit II Natural & Man- made Fibers 10 h

Natural fibers- Manufacturing process, properties and end uses of cotton, Manufacturing process, properties and end uses of linen, Manufacturing process, properties and end uses of jute, Manufacturing process, properties and end uses of pineapple, Manufacturing process, properties and end uses of hemp, Manufacturing process, properties and end uses of bamboo, Manufacturing process, properties and end uses of silk, Manufacturing process, properties and end uses of wool Manufacturing process, properties and end uses of hair fibers. Manufacturing process, properties and uses of Man-made fibers - viscose rayon, acetate rayon, nylon, polyester, and acrylic

Unit III Method of Spinning 8 h

Spinning- definition, classification of spinning- chemical spinning and mechanical spinning- process of ginning, Functions of blow room-blending, opening, cleaning, Functions of carding, Functions of drawing, combing, roving, spinning. Chemical spinning-process of Chemical spinning, Types of chemical spinning- melt, dry, wet

Unit IV Types of yarn 10 h

Yarn - definition, classification- simple and fancy yarns, yarn count, yarn twist-classification of yarn twists, yarn number, yarn count, types of yarn package. Sewing threads-Definition, classification, properties, uses of threads.

Unit V Non-Woven Fabrics 10 h

Process sequence in manufacturing of non wovens- types of non-wovens, manufacturing of non-woven fabrics- mechanical bonded, chemical bonded, thermal bonded, spun bonded and melt blown. Application of non-woven fabrics



Text Books

- 1 Barker. A.F. (2007)). Handbook of Textiles, Abhishek Publications : Chandigarh.
- 2 Kim Gandhi (2019). Woven Textiles (Principles, Technologies & Applications) Woodhead Publishing Limited:.

References

- 1 Kaplam .N.S, (2002.). A Practical Guide to Fibre Science..(Edn.) Abhishek Publications: Chandigarh
- 2 Gordon Cook.J(2001.). Handbook of Textile Fibres: Natural Fibre, Woodhead Publishing Limited.)
- 3 Gordon Cook.J, (2001). Handbook of Textile Fibres: Manmade Fibre Volume: Woodhead Publishing Limited
- 4 Kaplam .N.S, 2002. A Practical Guide to Fibre Science. Abhishek Publications, Chandigarh Arthur Price Pizzuto.J.J. , 1994. (Fabric Science.). 6th Edition Fairchild Publications:



Course Code	Course Name	Category	L	T	P	Credit
192CF1A3CB	SEWING TECHNOLOGY	CORE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- the parts and functions of sewing machines
- the spreading methods
- the different stitches and pressing methods

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Discuss about Sewing machineries and classification of sewing machines	K2
CO2	Examine about lower and upper threading of sewing Machines, loops and loop spreader, Types of feeding and mechanisms	K3
CO3	Outline about Spreading methods and marking methods	K3
CO4	Analyze the cutting technology with different machines	K4
CO5	Knowledge about different types of needles	K5

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	M	S
CO2	M	S	S	S	S
CO3	S	S	S	S	S
CO4	S	S	M	S	M
CO5	S	S	M	M	S

S Strong

M Medium

L Low



192CF1A3CB	SEWING TECHNOLOGY	SEMESTER III
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Sewing machineries 8 h

Sewing machineries- classification of sewing machines, Single needle machine, double needle machine, over lock machine, flat lock machine, bar tacking machine, button hole making machine, button fixing machine. Feeding mechanisms- drop feed, differential feed, needle feed, compound feed, unison feed, puller feed.

Unit II Stitching mechanism 10 h

Stitching mechanism-needles, bobbin and bobbin case, bobbin winding, loops and loop spreader, threading finger, upper and lower threading, auxiliary hooks, throat plates, take-ups, tension discs-upper and lower thread tension, needle threader, pressure foot and its types, adjustments of sewing machines- tension, stitch length, pressure and pressure foot, needle changing

Unit III Special attachments 10 h

Special attachments - hemmer, Ruffler, Binder, Tucker, Clothguide, Cording foot or Zipper foot, Gathering foot Needle thread. Spreading- types, qualities, equipment's, tools and its methods. Marking - methods - manual and computerized, types of markers, efficiency of a marker plan, requirements of marker planning.

Unit IV Cutting technology 10 h

Preparation of fabric for cutting- importance of grain in cutting and construction, steps in preparing the fabric for cutting. cutting technology- definition, function. Cutting tools- scissors, dress making shears, pinking shears, buttonhole scissors, electric scissors. Cutting machines - straight knife cutting machine, rotary cutting machine, band knife cutting machine, die cutters and notches.

Unit V Sewing threads 10 h

Stitches- definition, standards of stitches, stitch classification, Application of various stitches in apparels, defects and remedies of stitches used in apparel industry. Sewing threads- types, essential qualities of a sewing thread. Needle, types and sizes of needle and its usage. Pressing equipments- purpose, pressing equipments and methods- iron, steampress, steam air finisher, special types-pleating. permanent press



Text Books

- 1 MaryMathews, 2015. Practical Clothing Construction- Part I and II.Cosmic Press, Chennai.
- 2 Harold Carr and Barbara Latham. 2014. The Technology of Clothing Manufacture. Blackwell Science Publishers.

References

- 1 Gerry cooklin T.B, 2015. Introduction to Clothing Manufacture.Blackwell Science Publishers.
- 2 Dorthy Wood,2017,How to Sew,South Water Publishers
- 3 Zarapker.K.R,2014, Zarapker system of cutting ,Navneet publication india
- 4 Winifred Aldrich, 2019 Metric patternCutting and Tailoring for childres and babys wear - 4th Edition .John Wiley and son



Course Code	Course Name	Category	L	T	P	Credit
192CF1A3CC	SURFACE EMBELLISHMENT	CORE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- The knowledge on Basic Embroidery
- The techniques of the design to fabric
- Working procedure for the stitches

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Study about tools used and categories of Embroidery	K2
CO2	Demonstrate the flat and loop stitches	K3
CO3	Understand Knotted stitches and embellishment works	K3
CO4	Discuss about Indian Traditional Embroidery	K4
CO5	Fabric and colours used in Traditional Embroidery	K5

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	M	M	M	S
CO2	S	S	S	S	S
CO3	M	M	M	S	S
CO4	M	M	M	S	S
CO5	S	S	S	S	S

S Strong

M Medium

L Low



192CF1A3CC	SURFACE EMBELLISHMENT	SEMESTER III
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Embroidery 10 h

Embroidery - Definition, types of embroidery, tools used in embroidery .Categories of embroidery. Embroidery threads and their classification. Selecting motifs for embroidery - theme, age group, occasion.

The steps of design transfer to fabric. Advanced CAD based embroidery. Usage of Artificial Intelligence in embroidery. Machine embroidery technology.

Unit II Flat and loop stitches 10 h

Stitches and Working procedure for - Basic stitches- flat stitches , running stitch , back stitch , stem stitch, satin stitch , couching stitch , cross stitch , herringbone stitch .

Stitches and working procedure for - Loop stitches - chain stitch, lazy-daisy stitch, button hole stitch, blanket stitch, fishbone stitch, feather stitch, fly stitch .

Unit III Knotted stitches and embellishment works 10 h

stitches and Working procedure for - Knotted stitches,- French knot stitch, double knot stitch, bullion knot stitch. Applique work using readily available applique in markets, mirror work using artificial and readily available mirror in market, smocking using satin clothes with different techniques, cut works, Sequence works such as chumkis and stone works. Liquid embroidery.

Unit IV Indian Traditional Embroidery 9 h

Traditional embroidery- Kashida of kashmir - motifs, fabric used, colors used in embroidery, phulkari of Punjab -motifs, fabric used, colors used in embroidery, Kutch of Gujarat - motifs, fabric used, colors used in embroidery, Rabari of Rajasthan - motifs, fabric used, colors used in embroidery.

Unit V Fabric and colours used inTraditional Embroidery 9 h

Traditional embroidery - Kasuti of Karnataka - motifs, fabric used, colors used in embroidery, Chickankari of Lucknow - motifs, fabric used, colors used in embroidery, kantha of Bengal - motifs, fabric used, colors used in embroidery, Applique crafts of Orissa - motifs, fabric used, colors used in embroidery, Zardozi of India - motifs, fabric used, colors used in embroidery, Toda of TamilNadu - motifs, fabric used, colors used in embroidery, Pipli of Odhisha - motifs, fabric used, colors used in embroidery.



Text Books

- 1 ShailajaD . Nail,, (2010.). Traditional Embroideries of India ..(Edn.) : Ashish Publishers
- 2 Mary Mathews ,, (2015). Practical clothing construction Part - I and II. (Edn.) : Cosmice Press , Chennai

References

- 1 Anne Butcher &Debra ,2008. (Royal School of Needle Work Embroider techniques). Indian Textiles. (Edn.) : Sally Saunders designs
- 2 Janice Vaine,,I.N. (2005). Hand Embroidery stitches at a glance. (10 Edn.) : Laundauer Publishers
- 3 D.K. (2015). Embroidery : A step - by - step Guide to more than 200 stitches . (Edn.) : D.K Publishers
- 4 Wendi gratz. (2020). How to Embroidery almost everything : A source of 500 , modern motifs- Learn to draw with thread .. (Edn.) Quarry books, USA



192CF1A3CP	TEXTILE SCIENCE LAB	SEMESTER III
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Total Credits: 2
Total Instructions Hours: 48 h

S.No	CONTENTS
1	Identification of textile fibers with Microscopic method, Flame test. Chemical test - cotton, linen, jute, wool, silk, rayon, nylon, polyester
2	Determining the yarn count by Wrap reel and Beesley's balance.
3	Determining the twist of the yarn using twist tester.
4	Determining the strength of the yarn by lea strength tester.
5	Determining the weight of the fabric.
6	Determining the fabric count by Raveling method and Pick glass method
7	Course length and loop length of knitted fabric.
8	Color fastness to water.
9	Color fastness to crock meter test
10	Color fastness to Light.
11	Tearing strength test
12	Bursting strength test.

Note: Any Ten is Mandatory

References

- 1 Corbmann.B.P, 1985. Textiles- Fibre to Fabric- International Student's Edition. McGraw Hill Book Company, Singapore.
- 2 Gordon Cook.J, 2001. Handbook of Textile Fibres- Natural Fibre Volume I. Wood Head Publishing limited.
- 3 Gordon Cook.J, 2001. Handbook of Textile Fibres- Manmade Fibre volume II. Wood Head Publishing Limited
- 4 Kaplam.N.S, 2002. A Practical Guide to Fibre Science. Abhishek Publications, Chandigarh.



Course Code	Course Name	Category	L	T	P	Credit
192CE1A3IB	CHEMISTRY IN TEXTILES	IDC	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- The hardness of water and softening methods
- The concepts of manufacturing of soaps and detergents
- About the latest bleaching techniques, fastness properties and removal of different stains

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Understand the hardness, pH of water and different softening methods	K2
CO2	Infer the manufacturing of soaps and detergents	K2
CO3	Relate the stiffening agents and bleaches of the clothes	K2
CO4	Summarize the dry cleaning and laundry process	K2
CO5	Explain the stain and removal of different stains in cloth	K2

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	M	S
CO2	M	S	S	S	S
CO3	S	S	M	S	S
CO4	S	S	M	M	M
CO5	S	S	M	M	S

S Strong

M Medium

L Low



192CE1A3IB	CHEMISTRY IN TEXTILES	SEMESTER III
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Hardness of Water and Treatment 10 h

Hardness of water – Types - Equivalents of calcium carbonate - Units of hardness- Degree of hardness and pH value of waste water in dyeing process. Softening of hard water: external conditioning - zeolite - ion exchange methods - Reverse Osmosis.

Unit II Manufacture of Soap and Detergents 10 h

Laundry soaps – Manufacture of soap (Hot process, cold process), composition of soap, types of soap, soap less detergents, chemical action of detergent, detergent manufacture, advantages of detergents.

Unit III Stiffening Agents & Bleaches 10 h

Finishes – Stiffening Agents – Starch (cold water and hot water), other stiffening agents, preparation of starch. Effect of Bleaches, classification of Bleaches, application.

Unit IV Dry cleaning and Laundry Process 09 h

Laundry Blues and Fluorescent Brightening Agents, types, mechanism and application. Dry cleaning – using absorbents, using grease solvents.

Unit V Stains 09 h

Stains – identification and classification, principles of stain removal. Stain removal – food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration / mildew, tar, turmeric and kum- kum.



Text Books

- 1 Wingate I B, Textiles fabrics and their Selection, Allied publishers Ltd, Chennai.
- 2 SusheelaDantiyagi, Fundamentals of Textiles and their Care, 1980, Orient Long mann Ltd

References

- 1 Shenai. V.A.,Technology of Beaching, 1998, Mahajan Publishers, Ahmedabad,
- 2 Shenai. V.A.TextileFibres, 1991, (Vol. I), Mahajan Publishers, Ahmedabad.
- 3 Gopalakrishnan. R.TextileFibres SSM, 1988, Institute of Textile Technology, Mahajan Publishers, Ahmedabad.
- 4 DurgaDuelkar, Household Textiles and Laundry Work, Amla Ram & Sons, Delhi



192CF1A3SP	CHILDREN'S APPAREL LAB	SEMESTER III
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Total Credits: 3
Total Instructions Hours: 72 h

S.No	CONTENT
1	Bib-variation in outline shape. .
2	pantry-plain or plastic lined panty.
3	Jabla - without sleeve- front open.
4	Jabla withmagyar sleeve, back open
5	Knicker-elastic at waist, side pockets.
6	A-Line petticoat-double pointed dart, neck line and arm hole finished with facing.
7	A-Line petticoat with gathered at waist.
8	Summer frock-with suspenders at shoulder line, without sleeve/collars.
9	Summer frock - angel top with raglan sleeve, fullness at neck line
10	Yoke frock-yoke at chest line, with open, puff sleeve, gathered skirt or frock- with collar, without sleeve, gathered/ circular skirt at waistline
11	Princess line frock -chest line, with open, puff sleeve
12	Knicker with elastic or without elastic

Note: Any Ten is mandatory

References

- 1 GayatriVerma, 2013. Cutting and Tailoring Course (Illustrated). Asian Publishers
- 2 Zarapker. K. R, 2014.Zarapker System of Cutting. Navneet Publications India Ltd.
- 3 Winifred Aldrich, 2019. Metric Pattern Cutting for Children's Wear and Baby wear- 4th Edition. John Wiley and Sons
- 4 MaryMathews,Practical Clothing Construction, PartI and II, Cosmic Press,Chennai.



192CF1A3GP	BASICS OF FASHION	SEMESTER III
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Total Credits: 2
Total Instructions Hours: 24h

S.No	CONTENT
1	Proportion study- 8 1/2 and 10 head theory- stick, block and flesh figures for men and women.
2	Lines and line drawings- object drawing and perspective view drawings, enlarging and reducing motifs.
3	Learning the usage of drawing and sketching mediums- pencils.
4	Learning the usage of drawing and sketching mediums- ink.
5	Learning the usage of drawing and sketching mediums- charcoal.
6	Learning the usage of various drawing and sketching mediums- brushes
7	Learning the usage of various drawing and sketching mediums- poster colors
8	Drawing the stylized figures of men, women and children (using 10 head theory)
9	Collage work on fashion Shilloute with paper/fabric
10	Design the fashion Shilloute with texture (fabric)
11	Design and develop the Scribble art
12	Learning various types of hair styling.

Note: Any ten is mandatory



References

- 1 Ireland Patrick John, 2005. Fashion Design Illustration: Children. Om Book International.
- 2 Manuela Brambatti, 2017. Fashion illustration and Design: Method and techniques for achieving professional.
- 3 Patrick John, 2005. Fashion Design Illustration: Men. Om Book International.
- 4 Raviraj, 2007. Pencil Shading – Basic Techniques. New Century Book House P (Ltd)



192CF1ASSB	PERSONALITY DEVELOPMENT	SEMESTER III
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Total Credit: 1

Syllabus

Unit I Body language

Introduction to body language - Different types of body language, Aggressive body language, Attentive body language - How to communicate with body language.

Unit II Gestures

Gestures - Smiling gestures. Hand and Arm gestures - steeping hands, gripping hands, displaying thumb, folded arms gesture. Hand -to - face gestures -hand covering the mouth , Pulling the collar gestures. Leg barriers - leg-lock portion, standing leg cross, ankle - lock gesture, foot - lock gestures, body - lowering gestures.

Unit III Body language in business

Body language in business - Space around you, hand -to -face movements. Introduction to Negotiation skills, planning & how to negotiation. Importance of Effective body language - Effective body language in meeting - reading body language & encouraging interaction - four main aspects

Unit IV Personal hygiene

How to enhance the features -make-up, hair care, dental care, clean body, lip balm/lip gloss, make use of cologne /perfume, manicure and pedicure, face shape, types of hair style. Personal hygiene - breath, perspiration -body odor

Unit V Dress Elegantly

Dress Elegantly - Body shapes, different types of neckline ,clothing style . Different types of shoes, ties, glasses, sunglasses, watches and hand bags. Plan your interview attire.



Text Books

- 1 Aurther,2006. Personality Development , Lotus Press, ISBN - 8183820859, 978818382085
- 2 Hurlock MN 1988 , Personality Development , Tata McGraw-Hill Education

References

- 1 Elizabeth Bergner Horlicks, 1973 , the university of Michigan , McGraw-Hill
- 2 Michael.E.Mama and Mari.H.Bornstein 2013 , Social and Personality Development: An Advanced , Taylor & Francis , ISBN 113669966X , 9781136699665
- 3 Julius Fast, 2014 , Body Language , 2014 , Open road Media , ISBN - 1497622689, 9781497622685l
- 4 www.bcci.bg/projects/latvia/pdf/8_IAPM_final.pdf



192CF1ASSA	FASHION LOGOS AND LABELS	SEMESTER III
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Total Credit: 1

Syllabus

Unit I Designer Study

Indian designers - Sabyasachi, Manish Malhotra, Manish Arora, Ritu Kumar and Anita Dongre. International designers - Alexander McQueen, Coco Chanel, Donatella Versace, Giorgio Armani, Yohji Yamamoto. Fashion transparency index, Sustainable Fashion brands, Legal requirements for clothing labels- Manufacturing & Qc.

Unit II Fashion logos

Fashion Logo- Definition, Function, Importance, Characteristics of logo- Simple, Scalable, Memorable / Impactful, Versatile, Relevant, Characteristics of bad Logo, Best Fashion Logos- Gucci, Fendi, Versace, Coach, Louis Vuitton, Dolce & Gabbana, Burberry, Givenchy, Giorgio Armani, Jimmy Choo.

Unit III Fashion labels

Fashion label- Definition, Importance, Characteristics and functions, Types- Main Label, Size labeling for clothing range, Label of fiber content, Green labelling- Definition, History, ISO participation, Ecolabeling innovation cell, Governments sponsored schemes, private labeling schemes, Care label.

Unit IV Care labels

Care labels- Definition, Care label symbols for clothing- Washing, Chlorine based Bleaching, Ironing. Professional textile care- dry cleaning, wet cleaning, Drying condition instructions- tumble dry, normal air dry.

Unit V Labelling Requirements

Labelling Regulations and Requirements for clothing- UK- Fiber Content, Country of Origin label, Washing and Care instruction, Flammable garment, Label placement, Brand information and style number, Other information. USA- Fiber Content, Country of Origin Label, Washing and Care Instructions, Manufacturer Identification, Label Placement. AUSTRALIA- Fiber Content, Country of Origin Label, Washing and Care Instructions, other factors.



Text Books

- 1 Tina Skinner, Feb 20,2003,The Clothing Label Book: A Century of Design,Schiffer Publishing
- 2 Mark Tungate,November 28, 2012,Fashion Brands: Branding Style from Armani to Zara,Kogan Page; Third edition

References

- 1 Elizabeth Bergner Horlicks, 1973 , the university of Michigan , McGraw-Hill
- 2 David Airey, 20 August 2014, Logo Design Love: A guide to creating iconic brand identities (Voices That Matter),Second edition, Pearson
- 3 Julius Fast, 2014 , Body Language , 2014 , Open road Media , ISBN - 1497622689, 9781497622685l
- 4 Muller Jens, Logo Modernism, Publisher: Taschen GmbH



191TLA3AA	பகுதி - 4 : அடிப்படைத்தமிழ்தாள் : 1(Basic Tamil)	SEMESTER III
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Total Credits: 2

Total Instruction Hours: 24 h

இளங்கலை 2019-20ஆம் கல்வியாண்டு முதல் சேர்வோர்க்குரியது (10 மற்றும் 12 - ஆம் வகுப்பு வரை தமிழ் மொழிப்பாடம் பயிலாதவர்களுக்கு) (பருவத் தேர்வு உண்டு)

அலகு : 1 தமிழ் மொழியின் அடிப்படைக் கூறுகள் 12 h

அ) எழுத்துகள் அறிமுகம் :

1. உயிர் எழுத்துக்கள் - குறில் , நெடில் எழுத்துகள்
2. மெய் எழுத்துக்கள் - வல்லினம், மெல்லினம், இடையினம்
3. உயிர்மெய் எழுத்துக்கள்

ஆ) சொற்களின் அறிமுகம்: பெயர்ச்சொல், வினைச்சொல் - விளக்கம் (எ.கா.)

அலகு : 2 குறிப்பு எழுதுதல் 12 h

1. பெயர், முகவரி, பாடப்பிரிவு , கல்லூரியின் முகவரி
2. தமிழ் மாதங்கள்(12), வாரநாட்கள்(7),
3. எண்கள் (ஒன்று முதல் பத்து வரை), வடிவங்கள், வண்ணங்கள்
4. ஊர்வன, பறப்பன, விலங்குகள், மனிதர்களின் உறவுப்பெயர்கள்
5. ஊர்களின்பெயர்கள் (எண்ணிக்கை 10)
6. பயிற்சிப் பகுதி (உரையாடும் இடங்கள்) : வகுப்பறை, பேருந்து நிலையம், சந்தை

வினாத்தாள் அமைப்பு முறை - மொத்த மதிப்பெண்கள் - 50

சரியான விடையைத் தேர்வு செய்தல்	பகுதி -அ	10x2=20
அரைப்பக்க அளவில் விடையளிக்க	பகுதி -ஆ	03x5=15
இரண்டு பக்க அளவில் விடையளிக்க	பகுதி-இ	01x15=15

குறிப்பு:

- அனைத்து அலகுகளில் இருந்தும் வினாக்கள் அமைதல் வேண்டும்
- பகுதி ஆ மற்றும் இ -க்கான வினாக்கள் இது அல்லது அது என்ற அடிப்படையில் அந்தந்த அலகுகளில் அமைதல் வேண்டும்



Text Books

- 1 அடிப்படைத் தமிழ். 2019. தொகுப்பு : தமிழ்த் துறை, டாக்டர் என். ஜி.பி. கலை மற்றும் அறிவியல் கல்லூரி, நியூ செஞ்சுரி புக் ஹவுஸ்(பி)லிட். சென்னை

References

- 1 ஒன்றாம் வகுப்பு பாடநூல் - தமிழ்நாடு அரசு பாடநூல் கழகம்
- 2 வலைதள முகவரி : <http://tamilvu.org>



191TL1A3AB	பகுதி - 4 : சிறப்புத் தமிழ் தாள் : 1 (Advanced Tamil)	SEMESTER - III
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Total Credits: 2

Total Instruction Hours: 24 h

இளங்கலை 2019- 2020 ஆம் கல்வியாண்டு முதல் சேர்வோர்க்குரியது (10 மற்றும் 12 - ஆம் வகுப்புகளில் தமிழ் மொழிப்பாடம் பயின்றவர்களுக்கு உரியது)(பருவத் தேர்வு உண்டு)

அலகு - 1 மரபுக் கவிதைகள் 05 h

அ) பாரதியார் கவிதைகள்

- தமிழ்நாடு
- மனதில் உறுதி வேண்டும்
- வருகின்ற பாரதம் (பா.எண்.5-8)

ஆ) பாரதிதாசன் கவிதைகள்

- இன்பத்தமிழ்
- நீங்களே சொல்லுங்கள்
- வாளினை எட்டா!

இ) தாராபாரதி கவிதைகள்

- வேலைகளல்ல வேள்விகள்

அலகு - 2 புதுக்கவிதைகள் 05 h

- கம்பன் கவியரங்கக் கவிதை - மு.மேத்தா
- தமிழா! நீ பேசுவது தமிழா! - காசியானந்தன்
- நட்புக் காலம் (10 கவிதைகள்) - அறிவுமதி கவிதைகள்

அலகு - 3 இலக்கணம் 04 h

- வல்லினம் மிகும் மற்றும் மிகா இடங்கள்
- ர, ற, - ல, ழ, ள - ந, ண, ன - ஒலிப்பு நெறி, பொருள் வேறுபாடு அறிதல்

அலகு - 4 கடிதங்கள் எழுதுதல் 05 h

- பாராட்டுக் கடிதம்
- நன்றிக் கடிதம்
- அழைப்புக் கடிதம்
- அலுவலக விண்ணப்பங்கள்

அலகு - 5 பாடம் தழுவின வரலாறு 05 h

- பாரதியாரின் இலக்கியப் பணி
- பாரதிதாசனின் இலக்கியப்பணி
- மரபுக்கவிதை, புதுக்கவிதை - விளக்கம்



Dr.NGPASC

COIMBATORE | INDIA

B.Sc. CDF (Students admitted during the AY 2019-20)

வினாத்தாள் அமைப்பு முறை -		மொத்த மதிப்பெண்கள் - 50
	பகுதி -அ	
சரியான விடையைத் தேர்வு செய்தல்		10x1=10
	பகுதி -ஆ	
அரைப்பக்க அளவில் விடையளிக்க		05x3=15
	பகுதி-இ	
இரண்டு பக்க அளவில் விடையளிக்க		05x5=25

குறிப்பு:

- பகுதி -அ அனைத்து அலகுகளில் இருந்தும் இரண்டு வினாக்கள் அமைதல் வேண்டும்
- பகுதி ஆ மற்றும் இ -க்கான வினாக்கள் இது அல்லது அது என்ற அடிப்படையில் அந்தந்த அலகுகளில் அமைதல் வேண்டும்

Text Books

- 1 சிறப்புத் தமிழ் . 2019. தொகுப்பு: தமிழ்த் துறை, டாக்டர் என். ஜி.பி. கலை மற்றும் அறிவியல் கல்லூரி, நியூ செஞ்சுரி பக் ஹவுஸ்(பி)லிட். சென்னை

References

- 1 புலவர் சோம. இளவரசு - 2014. இலக்கிய வரலாறு, மணிவாசகர் பதிப்பகம், சென்னை - 108
- 2 வலைதள முகவரி : <http://tamilvu.org>



195CR1A3AA	WOMEN'S RIGHTS	SEMESTER III
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Total Credits: 2

Total Instruction Hours: 24h

Syllabus

Unit I Rights to Infant & Child 4 h

Issues for women in India- Law relating to Female infanticide-Rights to the survival of a child-Child Labour- Child trafficking –Child Marriage- Protection of Children against Sexual Offences Act 2012 (POCSO)

Unit II Rights to women 5 h

Matrimonial protection-Protection against dowry-Protection to pregnancy-Sexual offences-Law relating to work Place- Directive principles of Constitution (Article 39 a, d, e & Article 42, 43 & 46) - Trafficking of women

Unit III Laws for Senior Citizen women 5 h

Constitutional Rights –Personal Laws- The Tamil Nadu Maintenance and Welfare of Parents and Senior Citizens Rules in 2009- The National Council for Older person- Government Provisions for elderly persons

Unit IV Civil and Political Rights of Women 5 h

Right of inheritance-Right to live with decency and dignity-The Married women's Property Act 1874-Personal law women's right to property-Women Reservation Bill-National Commission for Women-Political participation Pre independent political participation of women-Participation of Women in post independent period

Unit V International convention on Womens' Right 5 h

Convention on the Elimination of All Forms of Discrimination against Women(CEDAW)-United Nations population Fund(UNFPA)-Protocol to the African Charter on the rights of women in Africa-Convention on the Nationality of Married women-Convention on the political rights of women- Inter-American convention on granting of civil and political rights for women-Universal declaration of Human rights



Text Books

- 1 Women & Law(2009)-Krishna Pal Malik-Allahabad Law University, Delhi

References

- 1 Women's Human Rights in India(2019)-Christian Foster and Jaya Sagade- Routledge India
- 2 Justice for Women: Concerns and Expressions (2008)-Anand AS –Universal Law Publishing Co.



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
Fourth Semester										
Part III										
192CF1A4CA	Core	Fabric Construction	3	1	-	3	25	75	100	4
192CF1A4CB	Core	Traditional Textiles and Costumes of India	3	1	-	3	25	75	100	4
192CF1A4CP	Core Practical	Fabric Construction Lab	-	-	4	3	40	60	100	2
192CF1A4CQ	Core Practical	Draping Lab	-	-	4	3	40	60	100	2
195AT1A4IB	IDC	Business Accounting	4	-	-	3	25	75	100	4
192CF1A4SP	SEC	Women's Apparel Lab	-	-	6	4	40	60	100	3
	GE		2	-	-	2	-	50	50	2
	LoP	Labon Project	-	-	-	-	-	-	-	-
Part- IV										
191TL1A4AA/ 191TL1A4AB/ 192PY1A4AA	AECC	Basic Tamil/ Advanced Tamil/ General Awareness	2	-	-	3	-	50	50	2
Total			14	2	14				700	23

Generic Elective Course (GE)

Semester IV (GE-II)

S.No.	Course Code	Course Name
1	192CF1A4GA	Basic Sewing



Course Code	Course Name	Category	L	T	P	Credit
192CF1A4CA	FABRIC CONSTRUCTION	CORE	3	1	-	4

PREAMBLE

This course has been designed for students to learn and understand

- The Process involved in woven and knit fabrics.
- The Weaving mechanism and Knit structures.
- The Fabrication sequence and techniques

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Discuss the Elements of woven design, Methods of fabric representation.	K2
CO2	Classify the Twill weave and Crepe weaves.	K3
CO3	Explain Ordinary and brighten honey comb, Huck a back, mock leno, Extra warp and extra weft figuring and Backed fabrics.	K2
CO4	Explain knitting and compare weaving and Knitting, warp and weft knitted fabrics. Classify warp and weft knitting	K2,K3
CO5	Explain Weft knitting and Warp knitting Categorize types of threading, production of nets, curtains, heavy fabrics, elasticized fabrics.	K2,K4

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	M	M
CO2	S	S	S	M	M
CO3	S	S	S	M	M
CO4	S	S	S	M	M
CO5	S	S	S	M	M

S Strong

M Medium

L Low



192CF1A4CA	FABRIC CONSTRUCTION	SEMESTER IV
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Weaving 10 h

Weaving-Introduction to weaving, definition, operation. Elements of woven design, methods of fabric representation, draft - types - straight, skip, pointed, grouped draft and lifting plan. Plain, warp rib, weft rib, matt rib and Jacquard weave.

Unit II Twill and Crepe weave 10 h

Twill weave- classification- continuous, pointed/Zigzag, rearranged twill (satin, sateen and corkscrew weaves), combination, broken and transposed twill. Crepe weaves- types

Unit III Types of weaves 10 h

Ordinary and brighten honey comb, huck a back, mock leno. Extra warp and extra weft figuring- single and double colours. Backed fabrics -warp and weft backed fabrics.

Unit IV Knitting 9 h

Introduction to knitting, comparison of weaving and knitting, classification of warp and weft knitting, comparison of warp and weft knitted fabrics. General terms and basic knitting elements of weft and warp knitting. 3 way technique to develop design - knit, tuck, miss.

Unit V Weft knitting 9 h

Weft knitting - Single jersey, rib, interlocks, purl, Warp knitting - lapping variations - tricot, raschel, single bar, 2 bar, multi bar machines. Types of threading, production of nets, curtains, heavy fabrics, elasticized fabrics. Introduction of Knitting based Artificial Intelligence



Text Books

- 1 Murphy. W. S, 2004. "Textile Weaving and Design". Abhishek Publication
- 2 David J spencer, 2001. "Knitting technology: A comprehensive handbook and practical guide". Wood head publishing.

References

- 1 Manmeetsodhina, 2004. "Knitting technology". Kalyani publishers.
- 2 Grosicki.Z.J, Watson, 1912. "Watsons Advanced Textile Design". Wood Head Publishing Ltd.
- 3 Ashen Hurst, 2004. "Textile Calculation and Structure of Fabrics". Abhishek Publication.
- 4 DR.N.Albumen, 2007. "Knitting fundamentals, machines, structures and developments". New age international (p) Ltd., publishers.



Course Code	Course Name	Category	L	T	P	Credit
192CF1A4CB	TRADITIONAL TEXTILES AND COSTUMES OF INDIA	CORE	3	1	-	4

PREAMBLE

This course has been designed for students to learn and understand

- To know about the Traditional costumes of India
- To recall the different types of costumes used during the old ages
- To know about the different accessories used in historic period

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Relate the Indian textiles and type of costumes, symbols and ancient Indian textiles.	K2
CO2	Name the woven textiles of India and discuss the dyed and printed textiles of India	K2
CO3	Describe the traditional costume of southern and eastern India	K2
CO4	Restate the traditional costume of northern India	K3
CO5	Discuss jewelries used in the period of Indus valley civilization and temple jewelries of southern India.	K3

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	M	S	S	S	S
CO3	S	S	M	S	S
CO4	S	S	M	M	M
CO5	S	S	M	M	S

S Strong

M Medium

L Low



192CF1A4CB	TRADITIONAL TEXTILES AND COSTUMES OF INDIA	SEMESTER IV
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Ancient Costumes of India 10 h

Beginning of costume, growth of dress out of painting, cutting. Introduction to Indian textiles and costumes - history, types, motifs and symbols. Ancient Indian textiles and costumes - Vedic, Mauryan, Kushans, Satavahanas and Gupta.

Unit II Woven Textiles 10 h

Study of woven textiles of India- Dacca muslin, Banarasi, Chanderi Brocades, Baluchar, Himrus and Amrus, Kashmir Shawls, Pochampalli, Silk Sarees of Kancheepuram. Study of dyed and printed textiles of India- Bhandhani, Patola, Ikkat, Kalamkari- in all the above types and techniques used.

Unit III Costumes of Southern and Eastern Region of India 10 h

Traditional costume of southern and eastern India - Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Assam, Orissa, Bihar, Mizoram, Nagaland, West Bengal.

Unit IV Costumes of Northern and Western Region of India 9 h

Traditional costume of northern and western India- Maharashtra, Rajasthan, Haryana, Himachal Pradesh, Uttar Pradesh, Jammu and Kashmir, Gujarat and Madhya Pradesh.

Unit V Indian Jewellery 9 h

Indian Jewellery- Jewellery used in the period of Indus valley civilization, Mauryan period, Gupta period, Pallava and Chola Period, Symbolic Jewellery of South India, Mughal period. Temple Jewellery of south India, tribal jewellery.



Text Books

- 1 John Gillow,"Nicholas Barnard, 2008. Indian Textiles". Om Book International.
- 2 Parul Bhatnagar, 2009 ,"Traditional Indian Costumes and Textiles" .Abhishek Publication, Chandigarh.

References

- 1 Vishu Arora, 2008. "SUVASAS - The Beautified Costumes".
Abhishek Publication, Chandigarh.
- 2 Parul Bhatnagar, 2005. "Decorative Design History in Indian Textiles andCostumes", Abhishek Publication, Chandigarh.
- 3 Nigam. M.L, 1999, "Indian Jewellery", Lustre Press Pvt Ltd, India.
- 4 Ghurye. G.S, 1997, "Indian Costume", Popular Books Pvt Ltd.



192CF1A4CP	FABRIC CONSTRUCTION LAB	SEMESTER-IV
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Total Credits: 4
Total Instructions Hours: 48h

S.No	List of Experiments
1	Plain weave
2	Warp rib/weft rib
3	Twill weave(Right hand twill/Left hand twill)
4	Satin/Sateen
5	Honey comb weave
6	Huck a back weave
7	Extra warp / weft figuring
8	Plain knit
9	Rib
10	Inter lock
11	Tricot
12	Raschel - net, dress lace

Note: Instructions for the above contents:

1. Designing, drafting and constructing various weaves and knits



References

1. Murphy.W.S,2004. Textile Weaving and Design. Abhishek Publication.
2. Lord.P.R,Mohamed.M.H,1973.Weaving:ConversionofYarntoFabric.
WoodheadPublishingLtd.
3. Grosicki.Z.J,Watson,1912.WatsonsAdvancedTextileDesign.Woodhead
PublishingLtd.
4. KanwarVarinderPalSingh,2004.TextileWeavingandDesign.Abhishek
Publications.



192CF1A4CQ	DRAPING LAB	SEMESTER IV
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Total Credits: 2
Total Instructions Hours: 48h

S.No	List of Experiments
1	Basics - Bodice front and back
2	Basics - Skirt front and back
3	Basics - Plain sleeve
4	Skirts- Drindle
5	Skirts- Peg
6	Skirts- Circular
7	Skirts- Pleated
8	Skirts- Straight
9	Necklines - Sweetheart, Scooped , Scalloped , Boat , V and U neck, Round-Halter
10	Yokes - Bodice-midriff, Skirt-gathered, Bodice-shoulder
11	Collars - Convertible, Mandarin , Peterpan
12	Collars - Turtle, Ruffled, Shawl, Cowls

Note: Instructions for the above contents:

1. Drafting the following garments for the features prescribed.
2. List the measurements required and materials suitable.



References

- 1 Connie Amadan Crawford, 1989. *The Art of Fashion Draping*. Om Book International
- 2 Manmeet Sodhia, 2004. *Advanced Drafting and Draping*. Kalyani Publishers
- 3 Winifred Aldrich, 2007. *Fabric Form and Flat Pattern Cutting - 2nd Edition* Blackwell Publishers
- 4 Manmeet Sodhia, 2001. *Dress Designing*. K, Kalyani Publishers



Course Code	Course Name	Category	L	T	P	Credit
195AT1A4IB	BUSINESS ACCOUNTING	IDC	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- The basic accounting concepts related to business.
- The special transactions of accountancy
- The preparation of different types of Cash books

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	To know the basic concepts in accounting	K1
CO2	Understand the rules of double entry system to pass journal entries for transactions.	K1
CO3	Applying the Journal transaction for posting the ledger.	K2 & K3
CO4	Apply the knowledge of accounting process in the preparation of subsidiary books	K3
CO5	Apply the rules of double entry system in the preparation of various types of cash book	K2 & K3

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	L	L	L	L
CO2	S	S	S	M	M
CO3	S	S	S	M	M
CO4	S	S	S	S	S
CO5	S	S	S	M	M

S Strong

M Medium

L Low



195AT1A4IB	BUSINESS ACCOUNTING	SEMESTER IV
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Basic Accounting Concepts 8 h

Evolution of Accounting - Objectives of Accounting - Functions and Importance of Accounting - Branches of Accounting - Bases of Accounting - Users of Accounting information - Role of an accountant.

Book-keeping - Relationship among Book-keeping, Accounting and Accountancy - Accounting Principles - Accounting Standards (AS) - International Financial Reporting Standards (IFRS) - Accounting Standards in India

Unit II Journal, Ledger and Trial Balance 10 h

Journal: Recording of entries in journal with narration- Ledger: Posting from journal to respective ledgers. Trial balance - Need for preparing Trial Balance - Features - Objectives of preparing Trial Balance - Limitations - Methods of preparing Trial Balance - Suspense account.

Unit III Subsidiary Books - I 10 h

Subsidiary Books - Types of subsidiary books - Advantages of subsidiary books - Purchases book - Purchases returns book -Sales book - Sales returns book - Bills receivable book -Bills payable book. Cash Book - Importance & Types of cash book - Single column cash book - Double column cash book - Three column cash book.

Unit IV Bank Reconciliation Statement 10 h

Bank Reconciliation Statement- Causes of the difference between cash book and pass book- Preparation of Bank Reconciliation Statement.

Unit V Final Accounts 10 h

Preparation of Trading Account, Profit and Loss Account and Balance Sheet without adjustments.



Text Books

- 1 Reddy T.S. and Murthy A, 2019, "Financial Accounting", Sixth Edition, Margham Publications, Chennai.
- 2 Nagarajan,K.L., Vinayaka, Nand Mani P.L. 2019. Principles of Accountancy [First Edition]. Sultan Chand & Company Ltd, New Delhi

References

- 1 Dr. Maheswari, S.N., 2017, Financial Accounting: Vikas Publishing House, New Delhi.
- 2 Arulandam. M. A and Ramaan. K.S, 2019 Advanced Accountancy. [Revised Edition Himalaya Publishing House, Mumbai
- 3 Jain, S.P. and Narang , K.N. , 2018, Financial Accounting: Kalyani Publishers, New Delhi.
- 4 Gupta R.L 2019. Financial Accounting. Sultan Chand & Company Ltd., New Delhi.



192CF1A4SP	WOMEN'S APPAREL LAB	SEMESTER IV
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Total Credits: 3
Total Instructions Hours: 72 h

S.No	List of Experiments
1	Saree petticoat -six panels, decorated bottom.
2	Skirts- circular or umbrella or panel with style variations
3	Blouse-front open, fashioned neck, waistband at front, with sleeve
4	Salwar or Churidhar or Parallels or Bellbottom
5	Kameez- with or without slit, with or without flare, with or without opening, with or without panels, with or without yoke.
6	Nightie- with yoke, front open, with sleeve, full length
7	Ladies pant-waistband, zip attached, tight fitting or parallel pan
8	Short kurta or top- decorative or surface design in tailored placket, with or without collar.
9	Apron-Patch Pocket
10	Kaftan- Cord attached
11	Lehanga- Choli Blouse With suitable Skirt
12	Designer Garment

Note: Any 8 is Mandatory]

INSTRUCTIONS FOR THE ABOVE CONTENTS:

1. Designing, drafting and constructing the following garments for the features prescribed.
2. List the measurements required and materials suitable.
3. Calculate the material required- layout method and direct measurements method.
4. Calculate the cost of the garment.



References

1. Zarpker.K.R, 2014. Zarpker System of Cutting. Navneet Publications India ltd.
2. Winifred Aldrich, 2009. Metric Pattern Cutting for Children's Wear and Baby Wear - 4th Edition. John Wiley and Sons.
3. Manmeet Sodhia .T.B, 2004. Drafting and Draping. Kalyani Publishers.
4. Eshwari Anwani, 1968. Cutting and Tailoring Practicals- Vol II, RB Publications.



192CF1A4GA	BASICS OF SEWING	SEMESTER IV
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Total Credits: 2

Total Instruction Hours: 24 h

Syllabus

Unit I Sewing 5 h

Introduction to sewing , tools for sewing , pins, tape, sewing scissor , fabric marker , sewing needle , seam repair , thread, types of shears-pinking shears, cutting shears

Unit II Sewing machine 5 h

Introduction to sewing machine ,Types of sewing machine- Single needle, Double needle, Overlock, , Parts of sewing machine , Maintenance and care

Unit III Seams and seam finishes 5 h

Seams- Plain seam, Single Top stitch, Double Top stitch, French seam, Slot seam, Mantua Maker seam. Bound seam. Seam finishes-pinked finish, bound seam edge finish, double stitch seam finish

Unit IV Hems 5 h

Hems- Seam Binding hem, Stitched and turned hem, Narrow Machine stitched hem, shell edged hem. Tucks- Pin Tucks, Group tucks with scalloped effect.

Unit V Sewing fullness 4 h

Sewing fullness -Binding , Gathering , Pleats- Box pleat, Knife pleat, Dart- Single pointed and Double pointed. Types of Hand stitches - Chain , Running , Back, satin and sateen.



Text Books

- 1 Mary Mathews, 2015. Practical Clothing Construction- Part I and II. Cosmic Press, Chennai
- 2 Harold Carr and Barbara Latham. 2014. The Technology of Clothing Manufacture. Blackwell Science Publishers

References

- 1 Gerry Cooklin T.B, 2015. Introduction to Clothing Manufacture. Blackwell Science Publishers.
- 2 Dorothy Wood, 2017, How to Sew, South Water Publishers
- 3 Zarapker. K.R, 2014, Zarapker system of cutting, Navneet publication India
- 4 Jan Messent, 1976. Designing for Needlepoint and Embroidery from Ancient and Primitive Sources. Macmillan Publishers.



191TL1A4AA	பகுதி - 4 : அடிப்படைத்தமிழ் - தாள் : II (Basic Tamil)	SEMESTER IV
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Total Credits: 2

Total Instruction Hours: 24 h

இளங்கலை 2019-20ஆம் கல்வியாண்டு முதல் சேர்வோர்க்குரியது
(10 மற்றும் 12 – ஆம் வகுப்பு வரை தமிழ் மொழிப்பாடம் பயிலாதவர்களுக்கு)
(பருவத் தேர்வு உண்டு)

அலகு : 1

12 h

நீதி நூல்கள்

- I.ஆத்திசூடி - “அறம் செய விரும்பு” முதல் “ஒளவியம் பேசேல்”வரை -12 பாடல்கள்
II.கொன்றைவேந்தன் - “அன்னையும் பிதாவும் முன்னறி தெய்வம்” முதல்
“எண்ணும் எழுத்தும் கண் எனத் தகும்” வரை -7 பாடல்கள்

III.திருக்குறள் - 6 பாடல்கள்

1. அகர முதல1
2. மனத்துக் கண்.....34
3. இனிய உளவாக100
4. தீயவை தீய பயத்தலான்.....202
5. கற்க கசடற391
6. கண்ணொடு கண்ணினை.....1100

அலகு : 2

12 h

I. எளிய நீதிக்கதைகளும் வாழ்க்கை முறைகளும்

1. நீதிகாத்த மன்னன்
2. சிங்கமும் முயலும்
3. புத்திசாலி உழவனும் போக்கிரிப் பூதமும்
4. தேனீயும் புறாவும்
5. முயல் கூறிய தீர்ப்பு

II. தமிழகப் பண்பாடுகள்

1. தமிழர் விழாக்கள் - பொங்கல், ஆடிப்பெருக்கு
2. தமிழர் கலைகள் - தெருக்கூத்து, ஓவியம், சிற்பம்
3. தமிழர் விளையாட்டுகள்- ஏறுதழுவுதல், சடுகுடு



III . பயிற்சிப் பகுதி

1. படத்திற்கு ஏற்ற சொற்களை எழுதுதல்.
2. சொற்களைத் தொடராக்குதல்.
3. பொருத்துதல்,
4. உரையாடல் பகுதி

Note: பயிற்சிப் பகுதியில் வினாக்கள் அமைத்தல் கூடாது

வினாத்தாள் அமைப்பு முறை - மொத்த மதிப்பெண்கள் - 100

பகுதி - அ

சரியான விடையைத் தேர்வு செய்தல் 10x2=20

பகுதி - ஆ

சரியா? தவறா? தேர்ந்தெடுத்து எழுதுக . 10x2=20

பகுதி - இ

ஒரு பக்க அளவில் விடையளிக்க 03x20=60

குறிப்பு:

- அனைத்து அலகுகளில் இருந்தும் வினாக்கள் அமைதல் வேண்டும்
- பகுதி இ -க்கான வினாக்கள் இது அல்லது அது என்ற அடிப்படையில் அந்தந்த அலகுகளில் அமைதல் வேண்டும்

Text Books

- 1 அடிப்படைத்தமிழ் - 20-21. தொகுப்பு : தமிழ்த்துறை , டாக்டர் என்.ஜி.பி. கலை அறிவியல் கல்லூரி, நியூ செஞ்சுரி புக ஹவுஸ்(பி)லிட். சென்னை-600 098

References

- 1 ஒன்றாம் வகுப்பு பாடநூல் - தமிழ்நாடு அரசு பாடநூல் கழகம்
- 2 வலைதள முகவரி : <http://tamilvu.org>



191TL1A4AB	பகுதி - 4 : சிறப்புத்தமிழ் - தாள் : II (Advanced Tamil)	SEMESTER - IV
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Total Credits: 2

Total Instruction Hours: 24 h

இளங்கலை 2019- 2020 ஆம் கல்வியாண்டு முதல் சேர்வோர்க்குரியது
(10 மற்றும் 12 - ஆம் வகுப்புகளில் தமிழ் மொழிப்பாடம் பயின்றவர்களுக்கு உரியது
(பருவத் தேர்வு உண்டு)

அலகு - 1 05 h

திருக்குறள்

I அறத்துப்பால்

1. இனியவை கூறல் - அதிகார எண் : 10
2. அடக்கமுடைமை - அதிகார எண் : 13

II பொருட்பால்

1. கல்வி - அதிகார எண் : 40
2. உழவு - அதிகார எண் : 104

III இன்பத்துப்பால்

1. தகையணங்குறுத்தல் - அதிகார எண் : 109
2. பிரிவாற்றாமை - அதிகார எண் : 116

அலகு - 2 05 h

கட்டுரைத் தொகுப்பு

I நல்வாழ்வு - டாக்டர் மு.வரதராசன்

1. நம்பிக்கை
2. புலனடக்கம்
3. பண்பாடு

II இளைஞர்களின் ஒளிமயமான எதிர்காலத்திற்கு - கு.வெ. பாலசுப்பிரமணியம்

1. காலக்கணக்கு
2. நற்பழக்கமே செல்வம்

அலகு - 3 05 h

I காப்பியங்கள் - குறிப்பு எழுதுதல்

1. சிலப்பதிகாரம்
2. மணிமேகலை
3. கம்பராமாயணம்
4. பெரியபுராணம்



II ஊடகம் - காட்சி ஊடகங்கள்

1. தொலைக்காட்சி
2. திரைப்படம்
3. இணையம்
4. முகநூல்
5. கீச்சகம்
6. கட்செவி அஞ்சல்

அலகு - 4

05 h

இலக்கணம் - வழக்கறிதல்

1. இயல்பு வழக்கு
2. தகுதி வழக்கு

அலகு - 5

04 h

I படைப்பாற்றல் பகுதி

கவிதை,கட்டுரை எழுதச்செய்தல் - பொதுத் தலைப்பு

II பயிற்சிப் பகுதி

தமிழில் தட்டச்சு செய்தல் - யூனிகோடு எழுத்துருவில்.

Note: பயிற்சிப் பகுதியில் வினாக்கள் அமைத்தல் கூடாது

வினாத்தாள் அமைப்பு முறை - மொத்த மதிப்பெண்கள் - 100

பகுதி -அ

சரியான விடையைத் தேர்வு செய்தல்

10x2=20

பகுதி -ஆ

கோடிட்ட இடங்களை நிரப்புக

10x2=20

பகுதி -இ

இரண்டு பக்க அளவில் விடையளிக்க

4x15=60

குறிப்பு :

- அனைத்து அலகுகளில் இருந்தும் இரண்டு வினாக்கள் அமைதல் வேண்டும்
- பகுதி இ -க்கான வினாக்கள் இது அல்லது அது என்ற வகையில் அந்தந்த அலகுகளிலிருந்து அமைதல் வேண்டும்.



Text Books

- 1 சிறப்புத்தமிழ் 20-21. தொகுப்பு : தமிழ்த் துறை, டாக்டர் என்.ஜி.பி. கலை அறிவியல் கல்லூரி, நியூ செஞ்சுரி புக் ஹவுஸ்(பி) லிட். சென்னை- 600 098

References

- 1 பேராசிரியர் புலவர் சோம . இளவரசு, எட்டாம் பதிப்பு - 2014, தமிழ் இலக்கிய வரலாறு - மணிவாசகர் பதிப்பகம், சென்னை - 600 108.
- 2 பேராசிரியர் முனைவர் பாக்கியமேரி , முதற் பதிப்பு-2013, இலக்கணம் - இலக்கிய வரலாறு - மொழித்திறன் -பூவேந்தன் பதிப்பகம், சென்னை-600 004.
- 3 வலைதள முகவரி : <http://tamilvu.org>



192PY1A4AA	GENERAL AWARENESS	SEMESTER IV
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Total Credits: 2
Total Instructions Hours: 24 h

S.No	Contents
1	Current Events
2	General Science
3	Geography of India
4	Tamil and Other Literature
5	Inventions and Discoveries
6	Numerical and Mental Aptitude
7	Verbal and Non Verbal Reasoning
8	Socio- Culture and Heritage of India
9	Indian Economy and Political System
10	History of India and Freedom Struggle

References

- 1 Majid Hussain, Arrora N D, 2019, "General Studies -TNPSC Group -I ", G.K.Publications (P) Ltd. New Delhi
- 2 Aggarwal R S, 2014, "Verbal and Non Verbal Reasoning" S Chand & Company, New Delhi
- 3 Competition Success Review, Competitive Success Publisher, New Delhi
- 4 Pratiyogita Darpan, Pratiyogita Darpan Publishers, Agra.



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
Fifth Semester										
192CF1A5CA	Core	Textile Processing & Dyeing	4	-	-	3	25	75	100	4
192CF1A5CB	Core	Textile Printing	4	-	-	3	25	75	100	4
192CF1A5CP	Core Practical	Textile Processing , dyeing & printing Lab	-	-	4	3	40	60	100	2
192CF1A5CQ	Core Practical	Computer Aided Designing –I - lab	-	-	6	3	40	60	100	3
192CF1A5SP	SEC	Men's Apparel Lab	-	-	6	4	40	60	100	3
192CF1A5DA	DSE - I	Garment Quality and Cost Control	4	-	-	3	25	75	100	4
192CF1A5DB		Introduction to technical textiles								
192CF1A5DC		Fashion Photography								
192CF1A5TA	IT	Industrial Training	Grade A to C							
192CF1A5LA	LoP	Lab on Project	-	-	-	-	50	-	50	1
Part - IV										
192MT1A5AA	AECC - IV	Research Methodology	2	-	-	3	-	-	50	2
Total			14	-	16				700	23



Course Code	Course Name	Category	L	T	P	Credit
192CF1A5CA	TEXTILE PROCESSING AND DYEING	CORE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- the various process in textile processing
- about types of dyes and its properties
- the concept of dyeing machines

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Understand about pretreatments of fabric.	K2, K3
CO2	Understand the types and methods of bleaching, mercerization, wool carbonizing and silk weighting	K2, K3
CO3	Classify the colorants to evaluate the properties of dyes and to rectify the defects in dyeing.	K2
CO4	Categorize the different types of dyeing machines and methods	K3
CO5	Teach the enzymes in textile processing and to understand the pollution and effluent treatment.	K3

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	M	M
CO2	M	S	S	M	M
CO3	M	S	S	M	M
CO4	M	S	S	M	M
CO5	M	S	S	M	M

S Strong

M Medium

L Low



192CF1A5CA	TEXTILE PROCESSING AND DYEING	SEMESTER V
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Preparatory process 10 h

Preparatory process of fabric- singeing- types of singeing- Plate singeing, Roller singeing, Gas singeing, desizing - hydrolytic method - rot steep, enzymatic steep, acid steep- Oxidative method- chlorine, chlorite, bromite , scouring- Object, methods and equipment used. Advantages of Preparatory process

Unit II Fabric Pretreatment Process 10 h

Bleaching- hypochlorites- hydrogen peroxide- sodium chlorite. Equipment and chemicals of bleaching. Advantages and disadvantages of bleaching. Mercerization- theory process - methods - chemicals- effects of mercerization, Advantages of mercerization. Wool carbonizing. Weighting of silk.

Unit III Dyeing and its Machineries 10 h

Dyeing- classification of dyes- natural dyes- plant, invertebrates, and minerals. Manmade dyes - direct dye, sulphur dyes, vat dyes, disperse dyes, reactive dyes, acid dyes, basic dyes. Stages of dyeing- fiber, yarn, fabric and garment dyeing.

Unit IV Fabric Coloration and Recycling 9 h

Working process of Dyeing machines - loose stock fiber bale, hank package, jigger, winch, beam, jet, padding mangles, garment dyeing, piece dyeing, dip dyeing. Fastness properties of dyes. Various defects in dyeing. Introduction to recycled fabric.

Unit V Enzymatic Textile Processing and Eco Testing 9 h

Application of enzymes in textile processing. Pollution- treatment of textile effluents. Need for eco standards- eco labels and norms- need for eco testing- toxicity of dyes and chemicals.



Text Books

- 1 Shenai.V.A, 1981. Technology of Textile Processing Vol- III, V, VII. Sevale Publications, Bombay.
- 2 Prof. Krishna Kumar .K.B, Pollution in Textile Industry. SSM I.TT. Komarapalayam.

References

- 1 Smith.J. L, 2006. Textile Processing. Abhishek Publications.
- 2 Nierstrasz.V.A, 2010, Advances in textile technology, Elsevier.
- 3 Vigo.T.L, 2017, The complete technology book on textile processing with effluent treatment, NIIR board of consultants and engineers.
- 4 Youjiang wang, 2006. Recycling in textiles, Woodhead publications



Course Code	Course Name	Category	L	T	P	Credit
192CF1A5CB	TEXTILE PRINTING	CORE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- how to create printing design.
- various Printing techniques.
- Preparing dyes for printing.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Learn printing, differences between printing and dyeing, preparation of fabric for printing, methods of printing, preparation of printing paste, and selection of thickening agents.	K2
CO2	Predict Direct printing -block printing, Stencil printing	K2,K3
CO3	Outline the stencil printing through various methods.	K2,K3
CO4	Identify the resist printing through batik and tie and dye methods	K4
CO5	Categorize the different minor printing methods	K4

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	S	M
CO2	M	S	S	S	M
CO3	M	S	S	S	M
CO4	M	S	S	S	M
CO5	M	S	S	S	M

S Strong

M Medium

L Low



192CF1A5CB	TEXTILE PRINTING	SEMESTER V
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Printing 10 h

Printing- introduction to printing, importance of printing, characteristics of printing, differences between printing and dyeing, different types of printing on different materials, methods of printing, post treatment of printing techniques.

Unit II Printing Types 10 h

Direct printing- block printing- history, preparation of design, blocks, table, print paste and printing process. Stencil printing- history, preparation of fabric, stencils (for one or more colour), materials used for preparing stencils, process involved and techniques used.

Unit III Printing Process 10 h

Screen printing- history, flat, rotary and roller screen printing, preparation of screen, print paste and screen printing process. Discharge printing- chemicals used, process involved. Pigment printing process.

Unit IV Techniques and Equipment 9 h

Resist printing- history, batik printing - history, wax used, equipment required, process sequence and techniques used. Tie and dye- history, equipment required, process sequence and techniques used.

Unit V Methods and Developments 9 h

Minor printing methods- ink jet printing, heat transfer printing, Flock and foil print- process sequence and techniques used. Introduction to 3D printing. Recent developments in textile printing.



Text Books

- 1 Hurst.G.H,2004, Silk Dyeing Printing and Finishing, Abishek publication.
- 2 Pellow C E,2007, Dyes and Dyeing, Abishek publication

References

- 1 Vidhyasagar. P.V , 2000, Hand book textiles, Woodhead publishing ltd, England.
- 2 Murphy. W.S,2003. Textile finishing, Abhishek Publication.
- 3 Shenai .V.A, Naresh M. Saraf, 1987. Technology of Finishing, Sevak Publications.
- 4 W.S Murphy, 1994. Textile Finishing



192CF1A5CP	TEXTILE PROCESSING , DYEING AND PRINTING LAB	SEMESTER V
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Total Credits: 2
Total Instructions Hours: 48 h

S.No	Contents
1	Desizing
2	Scouring
3	Bleaching
4	Mercerization
5	Degumming
6	Direct Dye and Reactive Dyes for cotton
7]	Acid Dyes, Basic Dyes for Silk
[8]	[Sulphur/Vat dye]
[9	Disperse Dyes for Manmade Fibers
10	Natural Dyes
11	Block printing- vegetable and wooden blocks
12	Stencil printing- positive and negative with single/double/multi colours.
13	Tie and dye- any three methods with single/double/ multi colours.
14	Batik technique- any three methods with single/double/multi colours
15	Screen printing method- single/double/multi colours.

Note: Any 10 is mandatory



References

- 1 Gunay.M, 2016.Eco Friendly textile dyeing and finishing, INTECH publishers.
- 2 Hauser.P.J.2017.Textile dyeing, INTECH publishers.
- 3 Kanwar Varinder Pal Singh, 2007. Elementary Idea of Textile Dyeing Printing and Finishing. Kalyani Publishers.
- 4 Smith.J. L, 2006. Textile Processing. Abhishek Publications.



192CF1A5CQ	COMPUTER AIDED DESIGNING LAB - I	SEMESTER - V
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Total Credits: 3
Total Instructions Hours: 72 h

S.No	Contents
1	Create the designs for Motifs (3 styles)
2	Create the designs for Neck lines (3 styles).
3	Create the designs for Chest prints (3 styles).
4	Create the designs for Children's Garments (5 styles).
5	Create the designs for Women's Garments (5 styles).
6	Create the designs for Men's Garments (5 styles).
7	Design Logo for your brands (3 styles).
8	Design Care Label for garments (3 styles).
9	Design Size Label for garments (3 styles).
10	Design Brand Label for garments (3 styles).

Note: Any 8 is mandatory

References

- 1 Peter Schiessl, 2018, Corel draw 2018 - Amazon digital services LLC -KDP print publication
- 2 Gary David Bouton, 2014. Corel Draw X8: The Official Guide. McGraw-Hill Osborne.
- 3 Kathryn Mckelvey and Janine Munslow, 2007. Illustrating Fashion - 2nd Edition. Blackwell Publishing.
- 4 Bina Abling, 2005. Fashion Sketch Book. Fair child Publications, New York wardrobe.



192CF1A5SP	MEN'S APPAREL LAB	SEMESTER - V
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Total Credits: 3
Total Instructions Hours: 72 h

S.No	Contents
1	S.B. Vest- with or without collar, button attached, sleeveless.
2	Half sleeve shirt- full open, shirt collar, patch pocket.
3	Nehru kurtha - side pocket, round neck, half open.
4	Pyjama -elastic or tape attached waist.
5	Pleated pant- pleats in front, darts at back, side pocket, fly with button or zip.
6	Boxer shorts- with / without flap, tape attached waist.

Note: Any one garment should be in khadi material

Instructions for the above contents:

1. Designing, drafting and constructing the following garments for the features prescribed.
2. List the measurements required and materials suitable.
3. Calculate the cost of the garment.
4. Calculate the material required- layout method and direct measurement method

References

- 1 Zarapker. K. R, 2014. Zarapker System of Cutting. Navneet Publications India Ltd.
- 2 Gayatri Verma, 2003. Cutting and Tailoring Course (Illustrated). Asian Publishers.
- 3 Manmmet Sodhia, 2005. Dress Designing. Kalyani Publishers.
- 4 Eshwari Anwani, 1968. Cutting and Tailoring Practicals -Vol II .R.B. Publications, Delhi



Course Code	Course Name	Category	L	T	P	Credit
192CF1A5DA	GARMENT QUALITY AND COST CONTROL	DSE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- The quality aspects in different department of garment construction.
- The different standards used for quality inspection.
- The cost control system in apparel industry.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Examine raw material quality in apparel manufacturing industry and assess the scope of quality control.	K2
CO2	Categorize quality specification of apparel manufacturing industry and justifying sampling plans industry with quality standards.	K2
CO3	Predict functions of production control and recommend to distribution of documents and records.	K3
CO4	Restate types of cost control forms of basic production system.	K3
CO5	Identifying the types of cost and expensive in apparel manufacturing industry.	K3

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	S	M	M	S
CO2	M	S	M	M	S
CO3	M	S	M	M	S
CO4	M	S	M	M	S
CO5	M	S	M	M	S

S Strong

M Medium

L Low



192CF1A5DA	GARMENT QUALITY AND COST CONTROL	SEMESTER V
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Quality Control establishments 9 h

Definition and scope of quality control- establishing merchandising standards- establishing raw material quality, quality control specifications- quality control of raw material.

Unit II Quality Control Procedures 10 h

Establishing processing quality specification- training quality control personnel- quality standard control- quality control inspection, procedures for processing- quality control of finished garments- quality control and government contracts- quality control for packaging, warehousing and shipping- statistical quality control. Sampling plans- industry- wide quality standards.

Unit III Specifications and Functions 9 h

Function of production control, production analysis, quality specifications, qualitative specifications, scope of apparel manufacturing activity, coordinating departmental activities, distribution of documents and records.

Unit IV Principles and Evaluations 10 h

Type of control forms- basic production systems- whole garment, departmental whole garment, sub assembly systems and progressive bundle systems, principles for choosing a production system- evaluating production systems- flow process grids and charts- basic flow process grids construction- flow process grids for production control.

Unit V Cost Control System 10 h

Functions of cost control, types of costs and expenses. Apparel manufacturing cost categories- sales cost control, purchasing cost control, production cost control, administration cost control- cost ratio policies- the manufacturing budget- cash flow controls- standard cost sheet, breakeven- charts



Text Books

- 1 Solinger, Jacob, 1961. Apparel Manufacturing Analysis. Textiles Books, New York.
- 2 Solinger, Jacob, 1988. Apparel Manufacturing Hand Book- Analysis Principles and Practice. Columbia Media Corp.

References

- 1 Gerry Cooklin, 2011. Garment Technology for Fashion Designers- 2nd Edition. John Wiley and Sons.
- 2 Helen Goworek, 2007. Fashion Buying- 2nd Edition. John Wiley
- 3 A.J.Chuter, 2002. Quality Management in Clothing Textile Industries, The Textile Institute
- 4 Pradip V. Mehta, Sathish K. Bhardwaj, 1998. Managing Quality in the Apparel Industry, New Age International



Course Code	Course Name	Category	L	T	P	Credit
192CF1A5DB	INTRODUCTION TO TECHNICAL TEXTILES	DSE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- The Technical textiles and its application
- The various sectors of technical textiles.
- The various applications of textiles

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Brief note on Technical textiles and fibres used in technical textiles.	K2
CO2	Understand about definition, material used, types and uses of Agrotech , Geotech, Oekotech or Ecotech and Buildtech	K2
CO3	Gain knowledge on definition, material used, types and uses of Clothtech, Homotech and Indutech..	K2
CO4	Analysis about the definition, material used, types and uses of Mobiltech, meditech and Protech.	K2
CO5	Discussion on the definition, material used, types and uses of, Sporttech, Packtech and Smart textiles.	K2

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	S	M
CO2	M	S	S	S	M
CO3	M	S	S	S	M
CO4	M	S	S	S	M
CO5	M	S	S	S	M

S Strong

M Medium

L Low



192CF1A5DB	INTRODUCTION TO TECHNICAL TEXTILES	SEMESTER V
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Fibers and Yarns 10 h

Technical textiles- definition and scope of technical textiles, classification of technical textiles. Global and Indian scenario of technical textiles, Fibres used in technical textiles, technical yarns: staple yarns, monofilament, multifilament yarns.

Unit II Classifications 10 h

Agrotech (agro-textiles) - definition, material used, types, uses. Geotech (geo-textiles) - definition, material used, types, uses. Oekotech or Eco tech (environmentally friendly textiles) - definition, material used, types, uses. Buildtech (construction textiles) - definition, material used, types, uses.

Unit III Clothtech and Indutech 10 h

Clothtech (clothing textiles) - definition, material used, types, uses. Home tech (domestic textiles) - definition, material used, types, uses. Indutech (industrial textiles) - definition, material used, types, uses.

Unit IV Mobiltech and Meditech 9 h

Mobiltech (transport, automotive and aerospace) - definition, material used, types, uses. Meditech (medical) - definition, material used, types, uses. Protech (protective textiles) - Definition, material used, types, uses.

Unit V Sportstech and Packtech 9 h

Sport tech (sports textiles) - definition, material used, types, uses. Packtech (packaging textiles) - definition, material used, types, uses. Smart textiles- definition, material used, types, uses.



Text Books

- 1 Horrocks.A.R and Anand.S.C, 2000. Handbook of Technical Textiles. Woodhead Publishing Ltd, England.
- 2 Cann.J.Mc, 2009. Smart clothes & wearable technology, Woodhead Publishing Ltd

References

- 1 Song.G, 2011. Improving comfort in clothing, Elsevier.
- 2 Anand, Bayindirli, 2010. Medical & healthcare textiles, Elsevier.
- 3 Barel.A.O, Benavides, 2009. Smart Clothes and wearables technology, Elsevier
- 4 Mattila.H.R, 2006, Intelligent textiles & clothing, Elsevier.



Course Code	Course Name	Category	L	T	P	Credit
192CF1A5DC	FASHION PHOTOGRAPHY	DSE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- The role and techniques of Photography
- The methods and equipment used for fashion photography
- The fashion Photography in different media

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Identify the history, role, and importance of Fashion Photography.	K2
CO2	Apply basic techniques, equipment techniques, and subject techniques of various camera in photography	K3
CO3	Summarize the importance of Fashion photography in different Medias.	K3
CO4	Interpret the Planning and Styling of Fashion Photography	K4
CO5	Analyze the Image mixing and and explain the applications of computer in photography and video photography.	K5

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	M	S
CO2	M	S	S	S	S
CO3	S	S	M	S	S
CO4	S	S	M	M	M
CO5	S	S	M	M	S

S Strong

M Medium

L Low



192CF1A5DC	FASHION PHOTOGRAPHY	SEMESTER V
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Total Credits: 4

Total Instruction Hours: 48 h

Syllabus

Unit I Introduction to Photography 10 h

Photography- history, its role & importance. Types of Fashion photography. Techniques - landscape, night photography, portrait, action photography and special effects. Outdoor and Indoor Photography- equipment.

Unit II Equipment & Techniques 10 h

Camera types-35mm, SLR, Digital camera. Lighting- concept and importance- Types of lighting - front light, side light, backlight, revealing light, controlling light, flash and studio lighting. Film types- Black and White, Colour. Film speed-Film format.

Unit III Fashion Photography 10 h

Fashion Photography in different media- modeling, newspaper, magazines and fashion shows. Concept/theme based photography along with its application and acceptability in marketing and commercialization/branding.

Unit IV Planning & Style 9 h

Planning a shoot, studio, location, set props and casting. Study of two well-known picture editing software's. Photography style of an Indian and an International fashion photographer

Unit V Developing and Printing 9 h

Basics of developing and printing - image mixing and printing - Latest developments in printing -Computer application in photography. Video photography. Portrait therapy-composing faces and backgrounds, shooting at night.



Text Books

- 1 Nirmal Pasricha, "A Professional's Basic Photography", Black L T P C 3 0 0 3 202 Signature of BOS chairman, FT Rose Publications, Delhi, 2002.
- 2 Daniel Lezano, "The Photography Bible", A David and Charles Book., United Kingdom, 2004.

References

- 1 Peter Cattrell, "Photography", Octopus Publishing Group Ltd, London 2005.
- 2 Daniel Lezano, "The Photography Bible", A David and Charles Book., United Kingdom, 2004.
- 3 Simon Joinson, "Get the most from your Digital Camera", A David and Charles Book., United Kingdom, 2004..
- 4 Sue Hillyard, "The Photography Handbook - A Step by Step Guide", New Holland Publishers, London, 2003



Course Code	Course Name	Category	L	T	P	Credit
192MT1A5AA	RESEARCH METHODOLOGY	AECC	2	-	-	2

PREAMBLE

This course has been designed for students to learn and understand

- the art of using different research methods and techniques
- planning and writing of research proposals and dissertations, as well as a thesis
- the necessity for research ethics and guidelines to pursue research

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	learn the basics of the research methods and techniques	K1
CO2	remember the hypothesis, laws related to research problem	K1
CO3	understand the limitations of experimentation in research	K2
CO4	illustrate the concept of interdisciplinary and multidisciplinary research	K3
CO5	analyze the ethics and responsibilities of research	K3

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	M	S
CO2	M	S	S	S	S
CO3	S	S	M	S	S
CO4	S	S	M	M	M
CO5	S	S	M	M	S

S Strong

M Medium

L Low



192MT1A5AA	RESEARCH METHODOLOGY	SEMESTER V
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Total Credits: 2

Total Instruction Hours: 24 h

Syllabus

Unit I Introduction to Research 4 h

Research: Introduction- Basic, Applied and Evaluation research – multidisciplinary and interdisciplinary Research – value of research skills – formulating a research problem – Research in relation to Teaching and Publishing

Unit II Hypotheses, Theories and Laws 6 h

Hypotheses – Theories – Laws. Scientific statements: their justification and acceptance: verification – Falsification – Acceptance – Peer review

Unit III Experimentation and research 5 h

The roles and limitations of experimentation – Experimentation and research – conducting experiments - validity and reliability in experimentation – Design of experiments

Unit IV Scientific method and Research Design 4 h

Introduction to Scientific method – Research Design - Components - research design and proposal -checklist in the preparation of proposals

Unit V Ethics and Responsibility in Scientific Research 5 h

Ethics – guidelines for Ethical practices in research - unethical to ethics in research - responsibility of Scientists and of Science as an Institution



Text Books

- 1 PerterPruzan, (2016), Research Methodology: The Aims, Practices and Ethics of Science. Springer, Switzerland

References

- 1 Thomas, C.G. (2015) Research Methodology and Scientific Writing. Ane Books Pvt. Ltd.: New Delhi.
- 2 Locharoenrat, K. (2017) Research Methodologies for Beginners. Pan Stanford Publishing: Singapore.
- 3 Ranjit Kumar, (2014) Research Methodology: A Step-by-Step Guide for Beginners. SAGE Publications Ltd.: Singapore.
- 4 Kothari, C.R. Garg, G. (2009) Research Methodology Methods and Techniques. New Age International Publishers, New Delhi..



Course Code	Course Name	Category	L	T	P	Credit
192CF1A6CA	TEXTILE FINISHES	CORE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- To understand the various finishes in textiles.
- To know about special finishes.
- To learn the recent finishing trends.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Understand the production sequence of textile fabrics. Finishes- classification, importance and its application methods.	K2
CO2	Analyze the methods and applications of Mechanical finishes, Aesthetic finishes, Drape and Texture	K3
CO3	Analyze the methods and applications of functional finishes.	K3
CO4	Analyze the methods and applications of Special purpose finishes	K4
CO5	Analyze the Recent trends in finishing and Environmental pollution during chemical processing of textiles.	K5

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	M	M
CO2	M	S	S	M	M
CO3	M	S	S	M	M
CO4	M	S	S	M	M
CO5	M	S	S	M	M

S Strong

M Medium

L Low



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ES E	Total	
Sixth Semester										
Part-III										
192CF1A6CA	Core - XI	Textile finishes	4	-	-	3	25	75	100	4
192CF1A6CB	Core - XII	Home textiles	4	-	-	3	25	75	100	4
192CF1A6CP	Core Practical - IX	Computer Aided Designing-II Lab	-	-	6	4	40	60	100	3
192CF1A6SV	SEC - IV	Project- Fashion Portfolio presentation	-	-	6	-	40	60	100	3
192CF1A6DA	DSE - II	Apparel Marketing and Merchandising	4			3	25	75	100	4
192CF1A6DB		Principles of Textile Testing								
192CF1A6DC		Fashion Merchandising								
192CF1A6DD	DSE - III	Retail Management	4			3	25	75	100	4
192CF1A6DE		Eco-textiles and its sustainability								
192CF1A6DF		Visual Merchandising								
Part - IV										
193BC1A6AB	AECC - VI	Innovation, IPR and Entrepreneurship	2		-	3	-	-	50	2
Part-V										
192CF1A6XA		Extension Activity	-	-	-	-	50	-	50	1
Total			18	-	12				700	25
Grand Total									4100	140



192CF1A6CA	TEXTILE FINISHES	SEMESTER VI
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Total Credits: 4

Total Instruction Hours: 60 h

Syllabus

Unit I Textile Finishes 12 h

Production sequence of textile fabrics- flow chart- brief description. Finishes- classification- importance of finishes- application methods. Mechanical and chemical finishes- methods and applications.

Unit II Aesthetic finishes 12 h

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 12 h

Functional finishes- methods and applications- wrinkle free finishes, water repellent finish, flame retardant finish, rot and mildew proof finish, antistatic finish and soil release finish.

Unit IV Special finishes 12 h

Special purpose finishes- methods and applications- silicone finish, denim finish- stonewash and enzyme wash, fragrance finish, UV protection finish, anti-bacterial finish and phase change finishes

Unit V Recent trends 12 h

Recent trends in finishing- definition, types, significance and uses- micro encapsulation, Nano and plasma finish. Environmental pollution during chemical processing of textiles.



Text Books

- 1 Needles.H.L, 2011. Textile Fibers, dyes, finishes and processes: Aconcise guide. Elsevier publications.
- 2 Bhatia, S.C, 2017. Pollution Control in Textile Industry. IBT Publications.

References

- 1 Horrocks.A.R and Anand.S.C, 2000. Hand book of Technical textiles. Woodhead Publishing Ltd, England.
- 2 Murphy. W.S, 2003.Textile Finishing. Abhishek Publications.
- 3 Shenai.V.A, Naresh M. Saraf, 1987. Technology of Finishing. Sevak Publications.
- 4 Prayag.R.S,1994. Textile Finishing. R.S. Prayag



Course Code	Course Name	Category	L	T	P	Credit
192CF1A6CB	HOME TEXTILES	CORE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- To learn the concepts of home textiles.
- To know the suitable home furnishing material.
- To gain the knowledge about recent trends in home textile.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Introduction of various home textile fibers and fabrics	K2
CO2	Detailing about various coverings like wall coverings and floor coverings for aesthetic purpose and protection	K3
CO3	Analyze the methods and applications of functional finishes.	K3
CO4	Analyze the methods and applications of Special purpose finishes	K4
CO5	Analyze the Recent trends in finishing and Environmental pollution during chemical processing of textiles.	K5

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	M	S	S
CO2	S	S	M	S	S
CO3	S	S	M	S	S
CO4	S	S	M	S	S
CO5	S	S	M	S	S

S Strong

M Medium

L Low



192CF1A6CB	HOME TEXTILES	SEMESTER VI
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Total Credits: 4

Total Instruction Hours: 60 h

Syllabus

Unit I Introduction 12 h

Introduction to home textiles- definition, types of home textiles .Role of fabric in interior furnishing. Various fibers used for home textiles.

Unit II Floor and wall coverings 12 h

Floor and wall coverings- definition of floor covering, types of floor covering - hard, soft, and resilient floor coverings, uses and care of floor covering, definition of wall covering, uses and care of wall coverings. Benefits of Coverings.

Unit III Door and window treatments 12 h

Door and window treatments- definition, size and parts of door and windows, definition - curtains and draperies, materials used for curtains and draperies. Types of curtains - draw, tailored, pleated, cafe curtains, three tire curtains. Type of draperies - swags.

Unit IV Soft furnishing 12 h

Soft furnishing for living and bedroom- definition for living and bedroom linens, types & designs of living and bedroom linens such as sofa, sofa covers, wall hangings, cushion/cushion covers, upholsteries, bolster and bolster covers, bed sheets, covers, blankets, blanket covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care advantages and disadvantages.

Unit V Soft furnishing-Use & Care 12 h

Soft furnishing for kitchen, dining and bathroom- definition, types of kitchen linens, dish cloth, hand towels, fridge, mixer and grinder covers, their uses and care- definition for dinning. Bathroom linens - types, factors affecting the selection of table and bathroom linens, use and care. Construction of Terry towels.



Text Books

- 1 Gloria Nicol, 2005. "Readers Digest Quick and Easy Home Sewing Projects". Cico Books..
- 2 M.K.Singh, 2007. "Textile Management at Home". Discovery Publishing Home..

References

- 1 Pat A Jomes, 1999. "The complete photo guide to sewing". The Singer Company.
- 2 M.Pratap Rao, 2001. "Interior design principle and practice". N.C.Jain Publications
- 3 Anne van Wagner, 1993. Childs Leisure Arts- Inc., Sew- no- more Home Décor. Arkansas, U.S.A.
- 4 GW James, 2003. "Indian Blankets and their makers". Abhishek Publications



192CF1A6CP	COMPUTER AIDED DESIGNING LAB -II	SEMESTER VI
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Total Credits: 2
Total Instructions Hours: 90 h

S.No	Contents
1	Application of colour harmony in design - Monochromatic and Analogous colour harmony
2	Application of colour harmony in design - Complementary, Double and Split complementary colour harmony.
3	Application of colour harmony in design - Triad and Tetrad colour harmony.
4	Application of colour harmony in design -Neutral colour harmony.
5	Applications of principles of design in dress design - Balance- formal and Informal.
6	Applications of principles of design - Rhythm- by line, gradation and Radiation in dress design.
7	Applications of principles of design - Emphasis, Proportion and Harmony.
8	Design garments for the following - Party wear- children, men & women.
9	Design garments for the following - sports wear- children, men & women.
10	Design garments for the following - winter wear- children, men & women.
11	Design garments for the following - summer wear- children, men & women.
12	Prepare pattern for - Bib and Knicker.
13	Prepare pattern for - Jabla
14	Grade the pattern for - Bodice front and back.
15	Editing designs: Scan designs from books/magazines/photos - Edit colour, features, background.



Note: Any 10 is mandatory. One Garment in Knitted Fabric.

References

- 1 Ireland Patrick John, 2005. Fashion design Illustration: Children. Om Book International.
- 2 BinaAbling, 1987. Fashion Sketch Book. Fair Child Publications, New York Wardrobe.
- 3 Susan mellerjoosteiffers, 1991. Textile Design. Thames And Hudson .
- 4 PayalJain ,2005. Fashion Studies. AshokGosalin and AshishGosalin for HarAnand Publications.



192CF1A6SV	PROJECT - FASHION PORTFOLIO PRESENTATION	SEMESTER VI
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Total Credits: 3
Total Instructions Hours: 90 h

S.No	Contents
1	<p>CREATE DESIGN AND CONSTRUCT 4-6 GARMENTS: Portfolio development and presentation technique;</p> <p>CONCEPT AND THEME DEVELOPMENT:</p>
2	<p>Inspiration- idea sourcing- research and adaptation- exposure to new ideas to encourage originality of thought. Theme and direction for design brief- fabric theme. Colour story- concept and direction- formulation of design brief.</p> <p>DEVELOPMENT OF MOOD BOARDS AND STORY BOARDS:</p>
3	<p>Creation of concept boards- mood boards and illustration boards- methods of displaying the fashion collection- techniques of presentation for selection. Visualization and communication- idea sheets, organization of illustrated designs into group presentation drawings /illustrations- production of drawings for sample development.</p> <p>FABRIC SOURCING AND PATTERN DEVELOPMENT:</p>
4	<p>Fabric selection- sourcing of fabrics available in the market place. Selection of fabric. Pattern construction and development- toile preparation.</p> <p>From Toile's to Actual Garments</p>
5	<p>Construction details, Accessories development, Final presentation</p> <p>Number of garments in a collection- 4-6 garments.</p>

Note: 4-6 Garments is mandatory, Any one Garment in Knitted Material



References

- 1 M.Pratap Rao, 2005, Interior Design, N C Jain.
- 2 Emrah yayici, 2016, Design thinking methodology book-artbizTech.
- 3 Payal Jain , 2005, Fashion Studies, Ashok Gosalin and Ashish Gosalin for Haran and Publications.
- 4 Mrs.Usha RajKumar 2006 , Design Studie, Manmeet Sodhia .



Course Code	Course Name	Category	L	T	P	Credit
192CF1A6DA	APPAREL MARKETING AND MERCHANDISING	DSE	4		-	4

PREAMBLE

This course has been designed for students to learn and understand

- To learn the Marketing concepts.
- To understand Merchandising policies in apparel industry.
- To gain knowledge on Fashion and marketing environment.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Explain the fashion marketing, fashion Marketing environment-and trends in marketing environment.	K2
CO2	Apply the Marketing Function-assembling, standardization and grading ,packaging, product planning and development.	K3
CO3	Classify and analyze the types of buyers, merchandiser and their functions.	K2,K3
CO4	Identify the Process flow in apparel industry-buyer sourcing and Communication	K4
CO5	Categorize the Visual merchandising of fashion, types of displays, elements of display, merchandising presentation-tools and techniques.	K3, K4

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	M	S	S	S
CO2	M	M	S	S	S
CO3	M	M	S	S	S
CO4	M	M	S	S	S
CO5	M	M	S	S	S

S Strong

M Medium

L Low



192CF1A6DA	APPAREL MARKETING AND MERCHANDISING	SEMESTER VI
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Total Credits: 4

Total Instruction Hours: 60 h

Syllabus

Unit I Marketing 12 h

Meaning and classification of marketing, fashion marketing, fashion market-size and structure. Marketing environment-trends in marketing environment. Marketing Function-assembling, standardization, grading and packaging.

Unit II Fashion Products 12 h

The fashion industry-importance of fashion products, nature of fashion products-new product development, product mix and range planning. Merchandising-introduction, meaning-concepts of 'six rights'- organization structure of an apparel industry-classification of exporters- rating or grading of export houses.

Unit III Merchandising 12 h

Classification of buyers-export merchandising and retail merchandising- company profile and its contents. Types of merchandiser- functions of a merchandiser-essential requisites of a good merchandiser- vendor sourcing, evaluation and development- global sourcing-vendor nomination by buyers- reasons for vendor nomination- documents recording and maintenance- claims and reasons for claims- factory audits-buyer's code of conducts.

Unit IV Apparel Process Flow 12 h

Process flow in apparel industry- buyer sourcing and communication- enquiry-order confirmation- order review and its importance-master planning, scheduling or route card-factors for route card-programming for yarn, knitting, dyeing, stitching, sampling, accessories- samples- meaning and importance-types of samples-expedition of samples.

Unit V Visual Merchandising 12 h

Visual merchandising of fashion, types of displays-window displays, interior displays, color blocking and theme. Elements of display-the merchandise, mannequins and forms, props, signage, lighting. Fashion show-definition, planning, budgeting, location, timings, selection of models, collection. Set design, music, preparing the commentary, rehearsal.



Text Books

- 1 Sak Onkvisit, 2008. International Marketing: Strategy and Theory. RoutledgePublishers.
- 2 Dr.Rathinamoorthy. R, 2018.ApparelMerchandising,IBTW publishers.

References

- 1 Mary G Wolfe, 1998.WorldofFashionMerchandising.Goodheart-WilcoxPublisher.
- 2 Manmeet Sodhia, 2004. Fashion Marketing and Merchandising. KalyaniPublishers
- 3 MikeEasey, 1995.Fashionmarketing.BlackwellScienceLtd.
- 4 Dr. RameshBabu.V, 2019. Fashion Marketing Management. IBT W Publishers.



Course Code	Course Name	Category	L	T	P	Credit
192CF1A6DB	PRINCIPLES OF TEXTILE TESTING	DSE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- To study about testing standards and methods.
- To gather knowledge on Fiber, yarn and fabric testing.
- To understand about trash and lint

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Knowledge to testing and its various terminologies	K3
CO2	Determination of Fibre testing and trash and lint in cotton.	K3
CO3	Understand about Yarn Testing, numbering system, instruments for count determination	K3
CO4	Overview on Various forms of Fabric testing.	K4
CO5	Detailing about Various forms of Colour fastness tests to fabrics.	K4

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	S	M	S	M
CO2	M	S	M	S	M
CO3	M	S	M	S	M
CO4	M	S	M	S	M
CO5	M	S	M	S	M

S Strong

M Medium

L Low



192CF1A6DB	PRINCIPLES OF TEXTILE TESTING	SEMESTER VI
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Total Credits: 4

Total Instruction Hours: 60 h

Syllabus

Unit I Introduction about Textile Testing 12 h

Introduction to testing-terminology of testing-selection of samples for testing. Standard RH and temperature for testing-measurement of moisture regain conditioning oven.

Unit II Fiber Testing 12 h

Shirley moisture meter-Fiber testing-cotton fiber length, Baersorter, fineness, Sheffield micronaire, maturity, strength. Determination of trash and lint in cotton.

Unit III Yarn Testing 12 h

Yarn Testing-yarn numbering system, instruments for count determination, yarn strength testing, single strength tester, lea strength tester. Yarn twist, twist testers. Yarnevenness, methods of measuring evenness, yarn faults, classifications. Yarn hairiness and crimp testing.

Unit IV Fabric Testing 12 h

Fabric testing-fabric particulars -length, width, crimp, weight, cover factor, fabric strength- tensile strength, tearing strength, hydraulic, bursting strength, fabric abrasion, pilling testing, fabric drape, fabric stiffness, fabric crease resistance and crease recovery measurements, fabric permeability and spirality.

Unit V Color Fastness 12 h

Color fastness tests for fabric- crocking, perspiration, sunlight, laundering using detergents and soaps, pressing. Greyscale index, whiteness index.



Text Books

- 1 Amutha.K,2016." A practical guide to textile testing".Woodhead publications.
- 2 Angappan.Pand Gopalakrishnan.R, 2002. "Textile Testing. SSM Institute of Textile Technology", Komarapalayam.

References

- 1 Patrica Dolez, oliver Vermeersch and ValerioIzquierdo, 2018, "Advanced Characterization & testing of textiles". Woodhead publications
- Mishra.S.PandKesavan.B.K, "Fiber Science. SSM Institute of Textile
- 2 Technology", Komarapalayam.
- 3 Qufu wei, 2012, "Functional nano fibres and their applications", Woodhead publications.
- 4 J.E.Booth, 1996, "Principles of Textile testing", 3rd Edition CBS publishers & Distributers pvt ltd.



Course Code	Course Name	Category	L	T	P	Credit
192CF1A6DC	FASHION MERCHANDISING	DSE	4	-	-	4

PREAMBLE

This course has been designed for students to learn and understand

- To know the role of merchandiser in the industry.
- To understand the fashion forecasting and inspection procedures in production.
- To organize the yarn follow up and knitting follow up of garment industry.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Discuss the role of fashion merchandiser and Write the fashion merchandising terminology.	K2
CO2	List out the types of merchandiser, types of display and explain branded merchandising.	K2
CO3	Identifying the fashion forecasting of orders procurement and compose buying house and buying agencies.	K3
CO4	Inspect the production follow up of garment industry and production follow up problem and parameters.	K3
CO5	Justify the production scheduling costing and programming and problem in CMT sub-contract of vendors rating.	S K4

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	S	S	S	S
CO2	M	S	S	S	S
CO3	M	S	S	S	S
CO4	M	S	S	S	S
CO5	M	S	S	S	S

S Strong

M Medium

L Low



192CF1A6DC	FASHION MERCHANDISING	SEMESTER VI
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Total Credits: 4

Total Instruction Hours: 60 h

Syllabus

Unit I Fashion Merchandising 12 h

Introduction to fashion merchandising – Structure of Merchandising –Work Schedule – qualities, Skills and knowledge required for merchandising. Fashion merchandising terminology, Role and function of merchandiser.

Unit II Visual Merchandising 12 h

Types of merchandising- Visual Merchandising and display, purpose, store image; seasonal visual merchandise, Windows and types of display, Branded merchandising.

Unit III Export House 12 h

Export House-manufacture house-buying house and buying agency. Forecasting-order procurement –Sample order execution–P.O sheet/specification and standards.

Unit IV Acceptance quality Level 12 h

Yarn follow-up/ types/ quality/ parameters. Knitting follow-up and quality parameters, Fabric follow-up and fabric inspection, Accessories follow-up and inspection. Production follow-up–problem and solutions. Inspection and types–AQL inspection of various styles and approval of labels.LC-types and its importance.

Unit V Production Planning 12 h

Production scheduling costing & programming, CMT calculation, problem in CMT unit. Sub-contract /evaluations, introduction and definition of vendors rating. Order placements–merchant order–CMT order and approvals



Text Books

- 1 Bernard, P.CORBMAN, 2000. Textile fiber to fabric.
- 2 Nagarajan, 2017. Apparel merchandising IBT.W

References

- 1 Manmeet Sodhia and Pooja Cahtley, Fashion Marketing and Merchandising,
- 2 N.S. Kaplan, Jony Hines and Margaret Bruce, 2015. Yarn Technology, Abhishek publication.
- 3 Fashion Marketing, 2001. IBT.
- 4 Surjit, 2016. ERP for Textiles and Apparel Industry IBT.



Course Code	Course Name	Category	L	T	P	Credit
192CF1A6DD	RETAIL MANAGEMENT	DSE	4		-	4

PREAMBLE

This course has been designed for students to learn and understand

- To gain knowledge about retail industry
- To understand the concept to financial aspects..
- To gain complete knowledge on merchandising..

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Understand the marketing channel, retail organization structures, retail merchandising, retailing formats	K3
CO2	Knowledge the retail locations, retail growth and expansion, international retailing and retailing advertising.	K2
CO3	To acquire knowledge in Brands, private labels, Merchandise resources and Trade shows.	K3
CO4	To analyse the financial aspects of merchandising	K3
CO5	To know about the Store layout and merchandise presentation.	K3

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	M	M	S	S	S
CO2	M	M	S	S	S
CO3	M	M	S	S	S
CO4	M	M	S	S	S
CO5	M	M	S	S	S

S Strong

M Medium

L Low



192CF1A6DD	RETAIL MANAGEMENT	SEMESTER VI
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Total Credits: 4

Total Instruction Hours: 60 h

Syllabus

Unit I Retail Merchandising 12 h

Retail merchandising- the marketing channel, retail organization structures, retail merchandising, retailing formats-department stores specialty stores, hard-to-classify stores, depth and breadth, discounting, other retailing formats-non store retailers.

Unit II Shopping Center 12 h

Retail locations- unplanned shopping districts, planned shopping centers, the mix of stores in a shopping center. Retail growth and expansion- retail ownership. International retailing, retailing advertising.

Unit III Brands 12 h

Brands and private labels-branded merchandising, licensing, private labels, private labels as brands. Merchandise resources-manufacturers, merchant wholesale-distributors. Trade shows.

Unit IV Pricing 12 h

The financial aspects of merchandising-measures of productivity- productivity, turnover, stock-to-sales ratio, sales per square foot, space management. Retail pricing-markup. Mark downs, residue merchandise, maintain markup. Tactical price changes, managing mark downs, promotional pricing, deceptive pricing, resale price maintenance.

Unit V Store Layout 12 h

Store layout and merchandise presentation- store planning and design, Virtual and visual merchandising, store layout, fixtures, merchandise presentation, signs.



Text Books

- 1 Surjit, 2017. Apparel Merchandising. IBTW Publishers..
- 2 Colovic, 2016. Ergonomics in the garment industry. IBT W Publishers.

References

- 1 John Donnellan, 1996. Merchandise Buying and Management. Fairchild Publications, New York.
- 2 Paras Ram, 1990, Handbook of Import and Export Procedures. Government of Pakistan.
- 3 Ellen Diamond, 2005. Fashion Retailing: A Multi-Channel Approach- 2nd Edition. Prentice Hall.
- 4 Manmeet Sodhia, 2004. Fashion Marketing and Merchandising. Kalyani Publishers



Course Code	Course Name	Category	L	T	P	Credit
192CF1A6DE	ECO-TEXTILES AND ITS SUSTAINABILITY	DSE	4		-	4

PREAMBLE

This course has been designed for students to learn and understand

- To understand the importance of eco textiles and fibers
- To learn about Eco fabric finishes, testing's and standards.
- To gain knowledge about various natural dyes

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Understand the Eco textiles, minor and major commercial Fibers and fibers extraction methods.	K2
CO2	Knowledge the Ecology and Eco friendly textile processing.	K2
CO3	To acquire knowledge in Extraction of natural dye and application process of Enzymes.	K3
CO4	To know about the Application of natural fabric finishes, eco labels and standards	K4
CO5	To analyse the Ethical manufacturing and environmental protection	K2

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	S	S	S
CO3	S	S	S	S	S
CO4	S	S	S	S	S
CO5	S	S	S	S	S

S Strong

M Medium

L Low



192CF1A6DE	ECO-TEXTILES AND ITS SUSTAINABILITY	SEMESTER VI
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Total Credits: 4

Total Instruction Hours: 60 h

Syllabus

Unit I Eco- Textile Processing 12 h

Eco-Fibers Introduction - needs for eco-textiles - importance of Eco-textiles- Ecology - Production ecology, Human ecology and Disposal ecology. Natural fibers-Importance of natural fibers in textiles - Major fibers used in textiles - cotton, jute, linen and silk. Minor fibers used in textiles - sisal, pineapple, coir, nettle. Protein fibers - soya, spider silk. Extraction or preparation methods of natural fiber-retting and its methods, decortications by hand and machine. Recent findings of natural fibers in textile industry.

Unit II Eco- Dyes 12 h

Eco-Textile Processing Eco textile processing and its role in sustainable development-Enzyme-meaning- properties of enzymes used in textiles- application of enzymes in Textile process- Bio-desizing, bio scouring, bio bleaching, bio polishing, bio stoning, enzymatic degumming and enzymatic retting- Methods - uses.

Unit III Eco- Dyes 12 h

Natural Dyes History, Importance- Types of Natural dyes-Sources- plant, animals and minerals- Dye Extraction methods - Ultra sonic and micro wave extraction, enzymatic extraction, solvent extraction, super critical carbon dioxide extraction - Application of dyes on fabrics Mordants-natural mordants-Importance - Mordanting techniques- pre, meta and post mordanting. Importance of natural dyed fabrics.

Unit IV Eco- Finishes 12 h

Natural Finishes, Eco labelling and standards Importance of natural finishes - Traditional plants and herbs used in natural finishing. Recent Natural finishes on textiles-. Enzyme technology, Foam technology, Super critical carbon-di-oxide dyeing and Plasma technology. Eco- labelling and various eco- standards for textiles - Eco -auditing. Eco friendly Textile Processing and Finishing

Unit V Ethical and Environmental Issues 12 h

Ethical manufacturing Ethical Manufacturing: Ethical and environmental issues relating to textile and fashion industry. Ethical Standard practices for sourcing of sustainable fashion clothing and accessory. Corporate Social responsibility in fashion and apparel industry. Environment protection -Importance - Envi



Text Books

- 1 K.Sangeetha, 2017. Eco Textiles and Sustainability, Laser Park Publishing House,
- 2 Richard Blackburn, 2009.Sustainable Textiles: Life Cycle and Environmental Impact, Wood head Publication, Pv. Ltd.,

References

- 1 Charis M. Galanakis, 2020. Biobased Products and Industries, Elsevier.
- 2 Shahid UI-Islam, 2018.The Impact and Prospects of Green Chemistry For Textile, Bhupendra Singh Butola, Elsevier.
- 3 P. Vinayagamurthi,S .Kavitha, D.Gopalakrishnan,2018. Textiles finishing - Basic concepts and application, Astral Publications International Pvt.Ltd, New Delhi,
- 4 M W King, B S Gupta, RGuidoin, 2013. Bio-Textiles as Medical Implants, Woodhead Publishing.



Course Code	Course Name	Category	L	T	P	Credit
192CF1A6DF	VISUAL MERCHANDISING	DSE	4		-	4

PREAMBLE

This course has been designed for students to learn and understand

- To study the elements of visual merchandising.
- To study understand the techniques of visual merchandising
- To learn about the planning and presentation of merchandise.

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Understand the Elements of visual merchandising.	K1
CO2	Knowledge the Types of Mannequins and fixtures for presentation.	K4
CO3	To acquire knowledge in Attention devices for better ambiance.	K2
CO4	To know about the Planning of store and merchandise presentation	K3
CO5	To analyse the Industrial display and fashion shows	K4

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	S	S	S	S
CO2	S	S	S	M	S
CO3	S	S	S	S	S
CO4	M	S	S	S	S
CO5	S	S	S	M	S

S Strong

M Medium

L Low



192CF1A6DF	VISUAL MERCHANDISING	SEMESTER VI
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Total Credits: 4

Total Instruction Hours: 60 h

Syllabus

Unit I Fundamentals of Visual Merchandising 12 h

Visual Merchandising-definition, objectives and scope. Types of display and display settings. Approaches of Visual Merchandising in various stores-In house staffing, Department Store approach, and Small Store approach. Role of Visual Merchandising in changing face of retailing. .

Unit II Elements of Visual Presentation 12 h

Overview of the various elements - Color, lighting, line and composition, graphics and signage, store exteriors and interiors, sensory stimulants like scent, sound etc. Application of color schemes and color psychology to create mood in garment display.

Unit III Mannequins and Fixtures 12 h

Mannequins and other human forms, alternatives to mannequins. Criteria for selection of dressing fixtures and modular fixtures. Store exterior - Signs, Marquees, Outdoor Lighting, Banners, Planters, Awnings, and Windows in Storefront Design.

Unit IV Store Interiors and Points of Display 12 h

Focal points, island displays, risers and platforms, the runway the catwalk, counters and display cases, museum cases, demonstration cubes, ledges, shadow boxes, enclosed displays, fascia, t-walls. Point of purchase display, industrial display, fashion shows, trade organizations and sources.

Unit V Store Planning and Execution of a Visual Presentation 12 h

Store layout planning-grid, race track, free form and their direction off low. Floor plans and reading of floor plans - Plan-o-gram- definition, purpose and planning - theme, ensemble, racks, shelves, bins, etc. Assortment planning- Assortment planning, Optimize apparel assortments, Display calendar and planning a display, scheduling the promotion, budget in grand safety factors in visual merchandising. Computer aided visual Merchandising- CAD in store design.



Text Books

- 1 Martin M Peglar, 2002. Visual Merchandising and Display. S. V. M, Fairchild Publication, Inc, New York. .
- 2 Grace I kunz, 2005. Merchandising: Theory, Principles and Practices, IOWA state University, Fairchild Publication, Inc, New York.

References

- 1 John Donnellan, 1999. University of Massachusetts-Amherst, Merchandising buying and management, Fair Child Publications, New York.
- 2 N.S. Kaplan,2015. Yarn Technology, Abhishek publication.
- 3 Jony Hines and Margaret Bruce, 2001.Fashion Marketing, IBT.
- 4 Surjit,2016. ERP for textiles and apparel industry IBT.



Course Code	Course Name	Category	L	T	P	Credit
193BC1A6AA	INNOVATION, IPR AND ENTREPRENEURSHIP	AECC	2	-	-	2

PREAMBLE

This course has been designed for students to learn and understand

- The role of Entrepreneurship in Economic Development and basics of Intellectual Property Rights, Copy Right Laws, Trade Marks and Patents
- Ethical and professional aspects related to intellectual property law context
- Intellectual Property(IP) as an career option

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	Understand the concept of innovation, IPR, entrepreneurship and its role in economic development	K2
CO2	Know the value , purpose and process of Patent	K2
CO3	Understand the basics of trademarks and industrial designs	K2
CO4	Acquire knowledge about copyright and copyright law	K2
CO5	Identify Geographical Indications	K2

MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	S	M	M	M	M
CO2	S	M	M	M	M
CO3	S	M	M	M	M
CO4	S	M	M	M	M
CO5	S	M	M	M	M

S Strong

M Medium

L Low



193BC1A6AA	INNOVATION, IPR AND ENTREPRENEURSHIP	SEMESTER VI
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Total Credits: 2

Total Instruction Hours: 24 h

Syllabus

Unit I Introduction to Innovation, IPR and Entrepreneurship 05 h

Meaning of Creativity, Invention and innovation - Types of Innovation - Introduction and the need for Intellectual Property Right (IPR) - Kinds of IPR - National IPR Policy. Entrepreneurs-Concept, characteristics, Functions, need and types, Entrepreneurial decision process. Role of Entrepreneurship in Economic Development.

Case Study: Jayabharati Viswanath: A case of Ladel to Leather.

Unit II Patents 05 h

Introduction and origin of Patent System in India- Conceptual Principles of Patent Law in India - Process for obtaining patent - Rights granted to a Patentee - Infringement of Patent.

Case Study: When Google was used for Patent Infringement.

Unit III Trademarks 05 h

Origin of Trade Marks System - Types - Functions - Distinctiveness and Trademarks - Meaning of Good Trademark - Rights granted by Registration of Trademarks - Infringement of trademark.

Case Study: Trademark mismanagement by Cadbury's.

Unit IV Copyright 05 h

Introduction and Evolution of Copyright - Objectives and fundamentals of Copyright Law - Requirements for Copyrights - Works protectable under Copyrights - Authorship and Ownership - Rights of Authors and Copyright owners - Infringement of Copyright.

Case Study: Copyright Case of Napster and Grokster.

Unit V Geographical Indications 04 h

Introduction and Concept of Geographical Indications - History - Administrative Mechanism - Benefits of Geographical Indications - Infringement of registered Geographical Indication.

Case Study: The story of the Tirupati Laddu.

Note:Case studies related to the above topics to be discussed (Examined internal only)



Text Book

- 1 Nithyananda, K V. 2019, "Intellectual Property Rights, Protection and Management", Cengage Learning India Private Limited, New Delhi, India.
- 2 Dr. S. S. Khanka, 2020, "Entrepreneurial Development", S Chand and Company Limited, New Delhi, India.

References

- 1 Ahuja, V K. 2017, "Law relating to Intellectual Property Rights", 3rd Edition, Lexis Nexis, Gurgaon, India.
- 2 Neeraj, P., & Khusdeep, D., 2014, "Intellectual Property Rights", 1st Edition, PHI Learning Private Limited, New Delhi, India.
- 3 <http://www.bdu.ac.in/cells/ipr/docs/ipr-eng-ebook.pdf>.
- 4 <https://knowledgentia.com/knowledgeate>.

