VIMALA COLLEGE (AUTONOMOUS)

THRISSUR

(Affiliated to University of Calicut)

B.Sc. DEGREE PROGRAMME IN

HOME SCIENCE

(TEXTILES AND FASHION TECHNOLOGY)

UNDER CHOICE BASED CREDIT AND SEMESTER SYSTEM

SYLLABUS

2020 ADMISSION ONWARDS

CORE COUSES AND OPEN COURSES

SYLLABUS FOR B.Sc. HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY) PROGRAMME (CORE COURSES) 2020 ADMISSION

Pattern of the model question paper, scheme of evaluation for internal examination and credit distribution have been included.

B.Sc HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY) COURSE STRUCTURE

Credit Distribution

Semester	Common Course		Core Course	Complementary Course		Open Course	Total
	English	Additional language		Chemistry	Botany/ Zoology/ /Costume and Fashion Designing		
I	4+3	4	2	2	2	-	17
II	4+3	4	2	2	2	-	17
III	4	4	2	2	2	-	14
IV	4	4	2+4*	2+4*	2+4*	-	26
V	-	-	3+4+2*+4+2*+4+2*+2**	-	-	3	26
VI	-	-	4+4*+4+4*+2+2	-	-	-	20
Total	**22**	**16**	**55**	**12**	**12**	**3**	**120**

***Practical** ****Project**

Method of Indirect Grading

Evaluation (both internal and external) is carried out using Mark system. The grade on the basis of the total internal and external marks will be indicated for each course, for each semester and for the entire programme.

Ten point Indirect Grading System

% of Marks	Grade	Interpretation	Grade Point Average	Range of Grade points	Class
95 and above	O	Outstanding	10	9.5- 10	First Class with distinction
85 to below 95	A+	Excellent	9	8.5 - 9.49	
75 to below 85	A	Very good	8	7.5 - 8.49	
65 to below 75	B+	Good	7	6.5 - 7.49	First Class
55 to below 65	B	Satisfactory	6	5.5 - 6.49	
45 to below 55	C	Average	5	4.5 - 5.49	Second Class
35 to below 45	P	Pass	4	3.5 - 4.49	Third Class
Below 35	F	Failure	0	0	Fail
Incomplete	I	Incomplete	0	0	Fail
Absent	Ab	Absent	0	0	Fail

After the successful completion of a semester, Semester Grade Point Average (SGPA) of a student in that semester is calculated using the formula given below. For the successful completion of a semester, a student should pass all courses. However, a student is permitted to move to the next semester irrespective of SGPA obtained.

The Semester Grade Point Average can be calculated as

$$SGPA = \frac{\text{Sum of the credit points of all courses in a semester}}{\text{Total credits in that semester}}$$

$$\text{ie., } SGPA = \frac{C1*G1+C2*G2+C3*G3+\ldots\ldots}{n}$$

where G1, G2, … are grade points of different courses; C1, C2, ... are credits of different courses of the same semester and n is the total credits in that semester.

% of marks of a semester = (SGPA/10) x 100
The SGPA is corrected to three decimal points and the percentage of marks should be approximated to two decimal points

The Cumulative Grade Point Average (CGPA) of the student is calculated at the end of a programme. The CGPA of a student determines the overall academic level of the student in a programme and is the criterion for ranking the students. CGPA can be calculated by the following formula

The Cumulative Grade Point Average (CGPA) can be calculated as

$$CGPA = \frac{\text{Total credit points obtained in six semesters}}{\text{Total credits acquired (120)}}$$

Total percentage of marks= (CGPA/10)*100

$$\text{CGPA of core courses} = \frac{\text{Total credit points obtained for Core Course}}{\text{Total credits acquired for Core Courses}}$$

PROGRAME SPECIFIC OUTCOME OF BSC TEXTILES &FASHION TECHNOLOGY

1) Understand the basics of textile science, apparel production, fashion marketing, costumes, home science and visual merchandising.
2) Create an aesthetic sense towards fashion.
3) Equip with entrepreneurial skills in various fields in the fashion industry.
4) Train young minds create sustainable fashion ideas.
5) Develop productive design thinking for the betterment of the society.
6) Build attitudes and values promoting good citizenship.
7) Create knowledge and skill for community development.

B Sc HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

CORE COURSE STRUCTURE UNDER CBCSS

Semester	Code No.	Course Title	Hrs/ Week	Credit	Marks		
					EE (80%)	IE (20%)	Total
I	HTFIB01	Historic Costumes	4	2	60	15	75
II	HTF2B02	Fashion Marketing and Shop Floor Management	4	2	60	15	75
III	HTF3B03	Computer Aided Fashion Design	3	2	60	15	75
	HTF3B03(P)	Practical I- Computer Aided Fashion Design	2	-	-	-	-
IV	HTF4B04	Garment Construction And Pattern Making	3	2	60	15	75
	HTF4B04(P)	Practical II- Garment Construction And Pattern Making	2	4*	80	20	100
V	HTF5B05	Garment Costing	3	3	60	15	75
	HTF5B06	Fashion Presentation	2	4	80	20	100
	HTF6B06(P)	Practical III- Fashion Presentation	2	2**	60	15	75
	HTF5B07	Traditional Indian Textiles and Surface Ornamentation	2	4	80	20	100
	HTF6B07(P)	Practical IV- Traditional Indian Textiles and Surface Ornamentation	4	2**	60	15	75
	HTF5B08	Concepts of Fashion Design	3	4	80	20	100
	HTF6B08(P)	Practical V- Concepts Of Fashion Design	4	2**	60	15	75
	HTF6PR	Project	2	2	60	15	75
	HTF5D01 HTF5D02 HTF5D03	**OPEN COURSE** Food Science and Basic Cookery Interior Decoration Textiles and Apparel Designing	3	3	60	15	75
VI	HTF6B09	Textile Science	5	4	80	20	100
	HTF6B09(P)	Practical VI- Textile Science	4	4	80	20	100
	HTF6B10	Apparel Production And Quality Control	5	4	80	20	100
	HTF6B10(P)	Practical VII- Apparel Production And Quality Control	4	4	80	20	100

	HTF6B11	Sociology Of Fashion	4	2	60	15	75
		Elective Courses* **					
	HTF6B12 (E1)	Entrepreneurship Management					
	HTF6B12(E2)	Quantity Food Preparation Techniques					
	HTF6B12(E3)	Extension Education and Communication	3	2	60	15	75
TOTAL				58			1700
AUDIT COURSES** **				**Credit**	**EI**	**IE**	**Total**
I	Environment Science			**4**	**80**	**20**	**100**
II	Disaster management			**4**	**80**	**20**	**100**
III	Intellectual Property Rights			**4**	**80**	**20**	**100**
IV	Gerontology			**4**	**80**	**20**	**100**

* Exam will be held at the end of 4th semester

** Exam will be held at the end of 6th semester

*** An institution can choose any one among the three courses

**** Credit and marks not counted in total SGPA and CGPA

EVALUATION

A) THEORY PAPERS

QUESTION PAPER PATTERN FOR CORE

1. For a paper with 4/5 credits total marks is 80+20=100

External : 80marks , Internal : 20 mark

2. For a paper with 2/3 credits total marks is 60+15=75.

External : 60marks , Internal : 15 mark

3. Project work 60+15 = 75

Distribution of marks and type questions.

Internal marks distribution for papers with 4/5 credits

Sl.No	Criteria	Marks
1	Attendance	4
2	Assignments	4
3	Seminar	4
4	Test paper 1	8
Total		**20**

Internal marks distribution for papers with 2/3 credits

Sl.No	Criteria	Marks
1	Attendance	3
2	Assignments	3
3	Seminar	3
4	Test papers-2-	6
Total		**15**

External marks distribution for papers with 4/5 credits

Category	Total Questions	To be answered	Marks for each question	Cieling
Section A – Short answer	15	15	2	25
Section B- Paragraph	8	8	5	35
Section C- Essay	4	2	10	20
Total				**80**

External marks distribution for papers with 2/3 credits

Category	Total Questions	To be answered	Marks for each question	Ceiling
Section A – Short answer	12	12	2	20
Section B- Paragraph	7	7	5	30
Section C- Essay	2	1	10	10
Total				**60**

B) PRACTICAL

Practical internal marks distribution[HTFB04(P), HTFB09(P) AND HTFB10(P)]

Sl.No	Criteria	Marks
1	Attendance	4
2	Performance	4
3	Record	12
Total		20

Practical internal mark distribution [HTF6B06(P), HTF6B07(P) and HTF6B08(P)]

Sl.No	Criteria	Marks
1	Attendance	3
2	Performance	3
3	Record	9
Total		15

Practical -External marks distribution

HTF4B04(P): PRACTICAL II - GARMENT CONSTRUCTION AND PATTERNMAKING

Sl . No	Criteria	Mark
1	Drafting	10
2	Construction	10
3	Pattern making	12
4	Grain	4
5	Neatness and completion	2
6	Stitching perfection	2
7	Record	20
8	Garments	20
TOTAL		**80**

HTF6B06(P): PRACTICAL III - FASHION PRESENTATION

Sl No	Criteria	Marks
1	Illustration	10
2	Creativity in designing	10
3	Color combination	5
4	Detailing	10
5	Perfection	5
6	Neatness	5
7	Record	15
TOTAL		**60**

HTF6B07(P): PRACTICAL IV - TRADITIONAL INDIAN TEXTILES AND SURFACE ORNAMENTATION

Sl No	Criteria	Marks
1	Creativity	10
2	Color combination	10
3	Detailing	10
4	Neatness and Perfection	10
5	Record	20
TOTAL		**60**

HTF6B08(P): PRACTICAL V -CONCEPTS OF FASHION DESIGN

Sl No	Criteria	Marks
1	Illustration	15
2	Creativity in designing	10
3	Color combination	5
4	Detailing	10
7	Record	20
TOTAL		**60**

HTF6B09(P): PRACTICALVI -TEXTILE SCIENCE

Sl No	Criteria	Marks
1	Identify the weaves (12)	24
2	Identify the fiber (4)	12
3	Ends and picks per inch (3)	9
4	Fabric analysis (3)	15
5	Record	20
TOTAL		**80**

HTF6B10(P): PRACTICAL VII -APPAREL PRODUCTION AND QUALITY CONTROL

Sl No	Criteria	Marks
1	Drafting	10
2	Construction	10
3	Neatness	5
4	Grain	5
5	Completion	5
6	Stitching perfection	5
7	Garment	20
8	Record	20
TOTAL		**80**

PROJECT

Project evaluation (Internal Marks)

Sl.No	Criteria	Marks
1	Originality	3
2	Methodology	3
3	Scheme &organization of report	4.5
4	Viva voce	4.5
Total		**15**

Project evaluation (External Marks)

Sl.No	Criteria	Marks
1	Relevance of the topic & statement of objectives	12
2	Reference, presentation, quality of analysis /statistical tools used	12
3	Findings and recommendations	18
4	Viva Voce	18
	TOTAL	**60**

CORE COURSES SYLLABUS

SEMESTER I

HTF1B01 HISTORIC COSTUMES

HOURS/WEEK : 4 **CREDIT- 2**

OBJECTIVES

1. To acquaint students with different types of costumes.
2. To enhance the students' knowledge regarding accessories and Jewellery of different eras.

SL.NO.	Course Outcomes	PSO	CL	KC	Class Sessions	Lab Sessions/ Field Study
CO1	Understand the history of origin of clothing	**PSO1**	U	C	7	
CO2	Understand the material content of various ages	**PSO1**	U	C	20	
CO3	Understand the basic functions and uses of clothing	**PSO1**	U	C	10	
CO4	Discuss the global perspective of costumes and accessories	**PSO2**	U	C	20	
CO5	Identify the diversity of Indian costumes	**PSO2**	U	C	15	
Total hours of instruction					72	

UNIT 1 **10 hrs**

Introduction to origin & functions of clothing. Indus Valley civilization, Vedic age

UNIT 2 **16 hrs**

Middle Ages-Mauryan, Guptas, Satavahanas, Kushans- costumes, hairstyles and accessories. Mughal Influence- history

UNIT 3 **24 hrs**

Costumes of the world – Egyptian, Roman, Greek, Japanese, American, French- men and women- costumes, accessories and foot wear.

UNIT 4 **22 hrs**

Costumes of the different regions in India.- Punjab and Hariyana, Himachal Pradesh, Uttar Pradesh, Bengal, Bihar, Gujarat, Rajasthan, Tamil Nadu.

REFERENCES

1. "Traditional Indian costumes & textiles", by – Dr. Parul Bhatnagar, Abhishek Publication.
2. "The Costumes and textiles of India", by - Jamila Brij Bhusan, Taraporevala- Bombay.
3. "Master piece of Indian jewellery", by - Jamila Brij Bhusan, Taraporevala- Bombay
4. "A history of Fashion in the 20th Century", by - Konemann
5. "Survey of historical costumes, A History of western dress", by- Phyllis Tortora, Keith Eubank, Fairchild Publication
6. "Traditional Indian Textiles", by- John Gillow, Necholas Barnard, Thames & Hudson

SEMESTER II

HTF2B02 FASHION MARKETING AND SHOP FLOOR MANAGEMENT

HOURS/WEEK: 4 **CREDIT: 2**

OBJECTIVES :

1. To increase awareness of the students regarding marketing
2. To study and analyse the fashion market
3. To understand the marketing process

	Course Outcome	**PSO**	**CL**	**KC**	**Class Sessions**	**Lab/ Field study**
CO1	Recognize the importance of aesthetics and principles of design in the seasonal fashion world	PSO 2	U	F,C	6	
CO2	Evaluate the trends in the fashion industry and their impact on overall business operations and strategy	PSO 3	E	F,P	8	
CO3	Assess social, cultural and economical factors and their impact on the global consumer and market place	PSO 1	E	P	10	
CO4	Perceive the skill of inspirational and innovative techniques to implement in apparel merchandise	PSO 4	E	F	9	
CO5	Plan and budget sales for a seasonal range	PSO 4	C	M	10	
CO6	Determine a commercially appropriate product range for a retailer	PSO 5	E	P	8	
CO7	Create a sales forecast for a retail store	PSO 4	C	P	9	
CO8	Analyze the fashion industry's activities to develop/implement a marketing strategy	PSO 1	A	C,P	12	
Total hours of Instruction					72	

UNIT 1 **10 hrs**

Merchandising, Introduction to Merchandising, Types of Merchandising, Role of Merchandiser, Quality essential for a Merchandiser.

UNIT 2 **10 hrs**

Fashion marketing, marketing mix (4Ps of market), types of product, stages of product development, product life cycle, channels of distribution.

UNIT 3 **12hrs**

Promotion- Advertising, scope, importance, types merits and demerits, sales promotion personal selling, publicity. Domestic & Export Market Environment, International Market Environment.

UNIT 4 **12hrs**

Pricing- Strategies, methods of pricing, pricing at a different stage of product cycle Costing – Basic Costing, importance, types, merits & demerits; Domestic & Export Pricing

UNIT 5 **10 hrs**

Retail management-- introduction, different retail operations, factors affecting retailing.

UNIT -6 **8 hrs**

Introduction to shop floor management and terminologies.

UNIT 7 **10 hrs**

Store planning and design – Store interiors and types of display, display settings, fixture & dressings, Purchase display systems.

Store management – types of stores, planning, layout and storing

Inventory control – definition, types, importance, remedies.

REFERENCES

1. Fashion Marketing, Mike Easey 1995, Oxford University press to Wynford Drive, Don Mills, Ontario.
2. Blythe Jim. Marketing Communication, Pearson Education. 2000.
3. Costabtino Maria. Fashion Marketing and PR. Bt Batsford Ltd. 1998.
4. Koiter. Marketing Management. Pearson Education. 2003.
5. Mike Easey. Fashion Marketing. Blackwell Science. 2002

SEMESTER III

HTF3B03 COMPUTER AIDED FASHION DESIGN

HOURS/WEEK: 3 **CREDIT: 2**

OBJECTIVES:

1. To teach the students software essential for their design needs

	Course Outcome	POs/ PSOs	CL	KC	Class Sessions	Lab/ Field study
CO1	Illustrate accurate representations of garment specifications for communication purposes	PSO1	U	F,P	5	
CO2	Develop skills to choose a variety of design softwares for visual communication of designs	PSO3	R/ U	P	5	9
CO3	Design and produce innovative designs using CAD softwares	PSO5	C	P	7	9
CO4	Determine suitable file formats for digital outputs	PSO5	E	C,P	10	
CO5	Develop skills to Construct digital files using appropriate processes and techniques	PSO3	C	P	10	9
CO6	Make use of audio/visual aids to popularize the work done in designing	PSO1	Ap	F,C	5	
CO7	Construct innovative garment designs	PSO5	C	P	5	9
CO8	Infer the advantages of 3D techniques in designing and production processes	PSO4	U	M	7	
Total hours of Instruction					54	36

UNIT 1

Introduction to computers. Computer applications in printing – Colour reduction – Screen preparation – Simulation techniques.

Introduction to adobe photoshop, adobe illustrator, Gimp, Inkscape

UNIT 2

Computer application in fashion designing - theme rendering – 3D modeling – body scanning – texture mapping – design studio – fashion multimedia concepts.

UNIT 3

Different types of textile prints- one direction, two direction, non directional, calico, overall, camouflage, florals and vines, plaids, bull's eye, checkerboard, art moments, traditional and geometric

UNIT 4

Computer application in pattern making – grading – marker planning – Gerber and Reach CAD. Computerized Embroidery

UNIT 5

Importance of CAD in the fashion Inductry and its progression. Study of Computer Aided Manufacturing

REFERENCES

1. CAD/CAM computer aided design and manufacture, Groover MP and E.W.Zinimmers, prentic hall, India 1984.
2. Computer aided design and manufacture, Bezant C.E, Ellis Horwood, England,1983.
3. CAD in clothing and textiles, Winfred Aldrich, Blackwell science, 1994.
4. Computers in fashion industry, Taylor P, Heinemann publications 1990.
5. Automation in the textile industry from fibers to apparels, Buhanan and Graddy, The Textile Institute,UK 1995.
6. Computer aided drafting and design –concept and application, Veinsinet DO, 1987.

SEMESTER III

HTF3B03 (P) PRACTICAL I-COMPUTER AIDED FASHION DESIGN

HOURS/WEEK: 2 **CREDIT: 0**

OBJECTIVES:
To teach the students software essential for their design needs.

UNIT 1
Adobe Illustrator
UNIT 2
Adobe Photoshop
UNIT 3
Creating mood board and colour board, spec drawing, draping garments on croquis, colour rendering of garments, accessory designing and Layout planning while creating portfolio
UNIT 4
Development of Textile Prints
UNIT 5
Logo Creation- Logo, broucher, visiting card, letter head, Invitation card

SEMESTER IV
HTF4B04 GARMENT CONSTRUCTION AND PATTERN MAKING

HOURS/WEEK: 3 **CREDITS: 2**

OBJECTIVES:

1. It helps to teach students the basics of construction techniques
2. It aims to make the students design specific dress, pattern, ornaments and dresses for occasion.

	Course Outcomes	**PSO**	**CL**	**KC**	**Class Sessions**	**Lab Sessions/ Field Study**
CO1	Interpret a design with practical understanding of garment construction	PSO5	U	F,P	4	6
CO2	Develop designs prior to production of garments	PSO4	C	P	6	4
CO3	Analyze the designs by draping different fabrics to achieve the difficult designs.	PSO4	A	P	10	
CO4	Identify the features of garment, characteristic postures and harmony between draped fabric and wearer.	PSO1	AP	C	10	
CO5	Develop the appearance of construction and neatness of workmanship	PSO2	C	P	6	8
CO6	Make use of basic pattern adaptations to enable a design to fit a person	PSO1	AP	P	12	14
C07	Develops skills to create patterns for garments	PSO5	C	P	6	4
	Total hours of Instruction				54	36

UNIT-1- Elements and Functions of Clothing **8 hrs**

Garment Analysis and Its Classification –

Measurement and Size Charts For Men, Women, and Children - Requirement and

Breakdown of Garments - Flow Process - Torso and Bifurcated Garments.

UNIT 2 Methods of garment construction **10 hrs**

Pattern Making, Drafting, Draping and Flat pattern technique

Drafting- Importance of Body Measurement, Method of taking, body measurements, Principles of taking body measurements, Measurements needed for construction of children's, lady's and men's garments.

Draping- Draping on Dress form, Designing garments by draping.

Flat Pattern Techniques- Slash and spread method, pivot, and measurement methods.

UNIT 3- Seams **10 hrs**

Introduction –Definition – Properties –Detailed Study On Seams Classification As Per Federal Standards – Plain, Top Stitched Seam, Welt Seam, Lapped Seam, Slot Seam, Flat Fell Seam, Hemmed Flat Felt Seam, French Seam, Piped Seam ,Superimposed And Bound Seam. Seam Finishes – Devices For Introducing Fullness.

UNIT 4 **4 hrs**

Definition, Purpose of Grading. Grading basic patterns-front, back, sleeve.

UNIT 5 **8hrs**

Need for pattern alteration, Alteration of patterns for heavy & thin figure, narrow shoulders, broad shoulders, round shoulders, large busts, flat chest, large hips, large abdomen, short waist, long waist.

UNIT 6 **10 hrs**

Preparation of fabric for cutting, Pattern Layout and Transferring, Grain-Types of grain importance of Grain in fabric cutting, Steps in preparing fabric for cutting straightening shrinking and. Pressing, Rules in pattern layout, common methods for layout, layouts for bold designs, asymmetric designs, striped, checked and one way design piecing Methods used for transferring the patterns, marking, cutting & stay stitching.

UNIT 7 **4 hrs**

Pattern fitting- Standard for a good fit- ease, line, grain, set and balance

References:

1. Apparel Manufacturing – Hand Book – Jacob Solinger
2. Technology Of Clothing Manufacture – Herold Carr & B.Latham
3. Knitted Clothing Technology – T.Bracken Berry
4. Technology Of Stitches & Seams – Coats Viyella Limited

SEMESTER IV

HTF4B04(P) PRACTICAL II - GARMENT CONSTRUCTION AND PATTERN MAKING

HOURS/WEEK: 2 **CREDITS: 4**

OBJECTIVES:

1. It helps to teach students the basics of construction techniques
2. It aims to make the students design specific dress, pattern, ornaments and dresses for occasion.

PATTERN MAKING

1. Basic Torso foundation development
2. Dart Manipulation – Using slash and Spread technique and Pivotal Transfer technique (single dart series-Mid shoulder dart, Center front dart, French dart, mid armhole dart and bust dart. Double dart series – Shoulder and Waist dart, center front neck and center front waist darts, mid armhole and French darts.
3. Sleeve variations: Cap Sleeve (straight hem and Curved hem), Puff at Top, Puff at bottom, Puff at bottom and top, Leg O Mutton, Bell Sleeve and petal Sleeve.
4. Collar variations: Mandarian collar, peter pan and shirt collar.
5. Skirt variations: - A line flared skirt, Godet skirt (4 godets or 6 godets), Gore skirt (8 or 12 gore)
6. Circular skirt (full circular skirt)
7. Basic Trouser development

SEWING TECHNIQUES

8. Seams and seam finishes (four types each)
9. Bias and its application – facing- bias and shaped, piping
10. Fullness – gathers, tucks, pleats and darts (2 samples each)
11. Pockets – side and front
12. Collars – Chinese, peter pan, full shirt
13. Plackets – continuous bound, faced and bound, broken kurta
14. Sleeves – set in, kimono, puff and raglan (paper pattern)
15. Fasteners

DRAFTING

16. Construction of basic children drafts for bodies, sleeve and shorts
17. Construction of childrens clothing – panty, baby dress, girl's frock, boy's short and shirt.

SEMESTER V

HTF5B05 GARMENT COSTING

HOURS/WEEK: 3 **CREDITS: 3**

Objectives:

1. To gain knowledge of accounting and costing in garment industry

Sl No	Course Outcome	Pos/ PSOs	CL	KC	Class Sessions	Lab/ Field study
CO1	Develop the elements of basic cost sheet of garment.	PSO1	Ap	C	7	
CO2	Discover the control of cost when decided to start a business.	PSO3	An	C	6	
CO3	Make a use of proper decision in the production of garment	PSO4	Ap	C	6	
CO4	Organize a budget for an industry.	PSO1	Ap	P	5	
CO5	Explain the productivity of material and labour in a garment industry.	PSO1	U	C	7	
CO6	Determine the budgeting principles for the apparel industry	PSO1	E	C	6	
CO7	Construct the cost plus pricing method	PSO1	Ap	C	5	
CO8	Analyze the accounting for factory overhead	PSO1	An	C	12	
Total hours of Instruction					54	

Unit 1 Introduction to Costing: **18 hrs**

Costing, aims of costing – difference between estimating and costing – types of estimates

Elements of cost – material cost – labour cost, Patterns in the apparel industry-fixed variable, semi variable, job order for process costing.

Different types of expenses – cost of product – advertisement cost, -going rate pricing, Selling cost. Pricing, full cost pricing, marginal cost pricing.

Unit 2 Accounting for factory overhead: **18 hrs**

Analysis of over head expenses: introduction – factory expenses –administrative expenses – selling and distribution expenses – allocation

of over head expenses – depreciation – reasons for depreciation – methods of calculating depreciation – simple problem.

Unit 3 Apparel cost Analysis: **18 hrs**

Costing of garments; factors that determine the price of garments – material cost – cost of yarn, cost of fabric production, cost of processing width of fabric, and design affecting cost – lot size, and cost of components – cutting cost – making and trim cost (CMT cost).

Unit 4 Budget and Pricing of apparel products: **18 hrs**

Price elasticity of demand and supply, sample costing-marginal, revenue.
Packing & labeling cost – different types and functions. Uses of brand and size label – duty draw back etc. cost of boughtout components, thread, Button, Zippers, Interlining, Shipment cost,
cost calculation of ladies, Men and children's wear – woven and knitted
The Budgeting process: Budgeting principles for the apparel industry, fixed vs. variable budget, master budget.

References

1. Richord D.Irwin Icn,"Principles of cost Accounting:Managerial Applications"Revised by Gayle Rayburn,1983
2.Sultan Chand& sons"Management Accounting"New Delhi,2nd edition 1998
3. Introduction to Fashion Design, Patrick John Ireland, 1992, B.T Batsford Ltd., 583, Fullham Road, London.

4. Fashion Design & Product development, Haroldcars/ John Pomeroy, 1992, Black Well Science, Inc., 238, Main Street, Cambridge

SEMESTER V

HTF5B06 FASHION PRESENTATION

HOURS/WEEK: 2 **CREDIT: 4**

OBJECTIVE :

The course aims to use general accessories into the garment to add beauty, create mood, illusion etc., to the main garment.

Sl No	Course Outcome	PSOs	CL	KC	Class Sessions	Lab/ Field study
CO1	Apply designing and illustrating using various mediums	PSO5	Ap	P,F	15	
CO2	Distinguish the fashion accessory designing	PSO2	An	P	15	
CO3	Build the theme based illustrations	PSO5	Ap	P,F	13	
CO4	Examine the basic aspects of fashion show	PSO1	An	C	10	
CO5	Categorize the survey boards	PSO1	An	P	11	
CO6	Explain creating lines	PSO1	U	C	8	
CO7	Design a portfolio	PSO4	C	P		18
CO8	Evaluate designing skills	PSO4	E	P		18
Total hours of Instruction					72	36

UNIT – 1: FASHION FORECASTING AND DRAWING

6 hrs

Fashion forecasting- Process, Source of fashion forecasting information, Fashion forecasting agencies**. Drawing from a source-** model- live model, still model, photograph, magazines, other sources of inspiration.

UNIT – 2: CREATING PORTFOLIO **10 hrs**

Creating Survey boards. -Creating Mood boards- its application in designing costumes. -Theme boards- its direct relation to creating designs of costumes. -Client boards- the study of peculiar characteristics of a client to design special costumes for him/ her. -Swatch boards- Use of swatches in surface texture of the designed costumes, creating lines, theme based illustration

UNIT – 3: DESIGN STUDIO **10 hrs**

Fashion shows, types of fashion show, types of models, designing dresses based on different themes for a fashion show - Study of the basic aspects of a fashion show- the background, the lights, the ramp, the accessories, the make- up, the fabric, surface ornamentation, etc. -Designing and illustrating lines for a fashion show.

UNIT – 4 VISUAL MERCHANDISING 10hrs

Visual merchandising and Mannequins, types of mannequins, alternatives to the mannequin, display- Types of display and display settings, Dressing fixtures, display techniques

REFERENCE

1. Illustrating Fashion -Kathryn Mckelvey, Blackwell Series

2. Encyclopedia of Fashion accessories -Phyllis Tortora , Fairchild

3. Fashion Sketchbook–Abling, Fairchild

4. How Fashion Works- Gavin Waddell, Blackwell Publishing house

SEMESTER V

HTF6B06(P) PRACTICAL III FASHION PRESENTATION

HOURS/WEEK: 2 CREDIT: 2

1. Depicting various silhouettes on fashion figures.

2. Make designs using different types of folds, gathers.

3. Illustrate the detailing of pleats, tucks, darts, yokes and godets.

4. Detailing of hemlines, edgings, pockets, fastenings, trimmings & accessories.

5. Fashion illustration using accessories.

6. Illustration fashion figures depicting various textures, prints and drapes 2 each.

7. Portfolio presentation- collection of 4 garments

Mood board

Story board

Client profile

Illustration sheet- flat sketch, front and back

Specification sheet- swatch board, color board,

Final presentation- 1 garment (fashion show)

Record to be maintained and portfolio to be submitted.

References:

1. “Fashion Design Illustration” By Patrick John.

2. “Big Book of Fashion Illustration” By Martin Dawver, Publisher Batsford.

3. “Inside Fashion Design” By Tata Sharon Lee , Publisher Canfield Press

4. “Fashion Design Drawing and Presentation” By John Petrick, Publisher Batsford 5. 9 Heads” By Riegelman, Publisher Pearson.

6. “Rendering Fashion Fabric and Prints” By McDonald, Nora M, Publisher Fairchild.

7. “Fashion Drawing: The Basic Principles” By Anny Allen and Seaman.

8. “Illustrating Fashion” By Kathryn & Munslow, Publisher Blackwell.

9. “Fashion Source Book” By Kathryn, Publisher Blackwell.

SEMESTER V

HTF5B07 TRADITIONAL INDIAN TEXTILES AND SURFACE ORNAMENTATION

HOURS/WEEK: 2 **CREDITS: 4**

OBJECTIVES:

1. To teach students the basics in embroidery designs and techniques

2. To create awareness in care of embroidered articles.

Sl No	Course Outcome	PSOs	CL	KC	Class Sessions	Lab/ Field study
CO1	Develop the different hand and machine embroidery stitches.	PSO2	C	P	10	8
CO2	Develop creative designs in embroidery and prepare garments by using this embroidery.	PSO4	C	C	9	20
CO3	Identify the various color schemes and their applications in surface ornamentation.	PSO2	AP	P	10	8
CO4	Identifying new opportunities in craft, art, fashion and markets.	PSO3	AP	P	8	15
CO5	Understand the richness of the Indian embroidered textiles.	PSO1	E	F	8	
CO6	Create unique design using traditional embroidery patterns and stitches.	PSO2	U	F	9	14
CO7	Build operation of tools and instruments.	PSO1	AP	P		7
Total hours of instruction					54	72

UNIT 1 **8 hrs**

Introduction to Embroidery – General Rules for Hand and Machines Embroidery, Special Attachments to Sewing Machines for Embroidery.

UNIT 2 **10 hrs**

Knowledge & Practice of Embroidery Stitch by Hand- Running, Cording, Button Hole, Satin, Long & Short, Sheaf, Artificial Velvet, Chain, Stem, Herringbone, Cross, Star, French Knot, Double Knot, Fish Bone.

UNIT 3 **10 hrs**

Knowledge & Practice of following by Hand- Eyelet Work, Cutwork, Lace Work, Drawn thread Work, Patch Work, Shaded Embroidery, Sequins work, Bead Work, Tatting and Crochet

UNIT 4 **12 hrs**

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

UNIT 5 **14 hrs**

Traditional textiles and embroideries of India

Jammu &Kashmir-Kashida
Punjab & Hariyana – Phulkari and bagh
Himachal Pradesh – Chamba
Uttar Pradesh – Chikankari of Lucknow, Banaras brocades
Gujarat – mata-ni-pachedi, Kathiawar, Kutchwork, ajarakh, block printing, patola
Rajasthan- bandhini
Orissa- ikat
Bengal – Kantha
Assam and the hill states of the north – East – Handloom weaving
Madhya Pradesh- chanderi and maheshwari
Maharashtra- paithani and pitamber
Tamil nadu - kanchipuram
Karnataka – Kasuti
Textiles of Goa and Kerala

REFERENCES

1. Sheila Paine, "Embroidered Textiles", Thames and Hudson Ltd., 1990.
2. Shailaja D. Naik, "Traditional Embroideries of India", A.P.H. Publishing Corporation, New Delhi, 1996.
3. Loom weaving, printed and painted fabrics,embroidery
4. Indian Textiles –by John Gillow and Nicholas Barnard, Om books International, New Delhi.
5. The Sari-by Linda Lynton,Thames and Hudson Ltd London.
6. Textiles and Crafts of India-Arunachal Pradesh, Assam, Manipur, National Institute of Fashion Technology, Prakash Books, New Delhi.

SEMESTER V

HTF6B07(P) PRACTICAL IV- TRADITIONAL INDIAN TEXTILES AND SURFACE ORNAMENTATION

HOURS/WEEK: 4 **CREDITS: 2**

1. Hand Embroidery – 15 stitches
2. Appliqué
3. Smocking

4. Bead work
5. Sequins work
6. Zardosi work
7. Mirror work
8. Tatting
9. Crochet

10. Traditional embroideries of India – kashida, chamba, chikankari, kasuti, phulkari, kantha, Kathiawar/kutch

A record should be maintained of the work done.

SEMESTER V

HTF5B08 CONCEPTS OF FASHION DESIGN

HOURS/WEEK: 3 **CREDITS: 4**

OBJECTIVES:-

1. To inculcate knowledge on the basic elements and principles of designing
2. To help the students to implement the knowledge gained in day to day life.

Sl No	Course Outcome	Pos/ PSOs	CL	KC	Class Sessions	Lab/ Field study
CO1	Analyze basic elements of design.	PSO1	An	C,P	9	
CO2	Analyze the designing principles in a garment.	PSO1	An	C,P	9	
CO3	Assess body figures and dress details	PSO1	E	P,F	6	
CO4	Categorize the use of elements and principles of design in designing garments	PSO4	An	C,P	6	20
CO5	Analyze the wardrobe planning.	PSO1	An	C	5	
CO6	Explain fashion terms.	PSO1	U	F	6	
CO7	Examine the colour theory	PSO1	An	P,F	5	
CO8	Experiment with basic croqui for female, male and child	PSO1	Ap	P	8	18
CO9	Organize live model drawing	PSO5	Ap	P		15
CO10	Apply the rendering techniques & Construct the paintings using different mediums	PSO5	Ap	P		19
Total hours of Instruction					54	72

UNIT 1 Fashion terminologies **2 hrs**

Terms and concepts- its meaning- bespoke, fad, fashion, classic, prêt-a-porter, mass fashion, high fashion, altier, haute couture, custom made

UNIT 2 The elements of design **10 hrs**

Line- Vertical, Horizontal, Diagonal, Modular grid, Curvilinear and Kinetic.

Form, Shape and Space-Form, Shape, Space (positive and negative), Shape within shape

Texture and light – Actual texture, Simulated texture, Abstract texture

Structural element of fabric – fibre, yarn, construction, and finish

Light –Light and Surface, Light categories-Reflected light, represented light, emitted light, project light.

Colour

UNIT 3 Colour theory **6 hrs**

Primary, secondary, tertiary, and colour wheel-Prang colour system

Tints and Shades of colour
Colour Schemes-Analogous, Complementary, Split complementary, Triad schemes.
Colour dimensions-Hue, value and intensity.
Colour emotions and illusions

UNIT 4 Designing principles **10 hrs**

Balance-horizontal, vertical, symmetry and asymmetry and radial balance.

Emphasis – Isolation, contrast, placement, repetition and radiation.

Proportion

Rhythm – Repetition, progression, alternation, grid, broken rhythm, transition.

Unity

UNIT 5 Study of figures **8 hrs**

Types of figures, dress details for various types of figures, use of elements and principles of design in designing garments. Wardrobe planning- need, steps

SUGGESTED READINGS:-

Fashion by design – Janice Greenberg Ellinwood – Fairchild Books, New York

Design through discovery : The Elements and Principles – Marjorie Elliott Bevlin – Wadsworth

Publishing ,

Design Basics – David A Lauer, Stephen Pentak

SEMESTER V

HTF6B08(P) PRACTICAL V- CONCEPTS OF FASHION DESIGN

HOURS/WEEK: 4 **CREDITS: 2**

Objectives:-

1. To improve student's drawing skills
2. To draw fashion croqui and to explore the basic mediums of art

Content:-

1. Basic line drawing: - vertical lines, horizontal lines, diagonal lines, concentric circle ovals and waves
2. Object drawing:- two and three dimensional forms of objects
3. Live model drawing
4. Basic 8 head and 10 head croqui- female
5. Croqui- child, male
6. Fashion figure in poses-front, 3/4, side view.
7. Photoanalysis.
8. Facial features.
9. Rendering techniques- shading, cross hatching, embossing
10. Painting in different mediums- pen, pencil, ink, water colour pastels, acrylic and oil
11. Visit to a design studio/apparel manufacturing unit/textile weaving unit.

Students are required to submit a record of all the work

Suggested Reading:-

1. Introduction to fashion design- Patrick John Ireland B.T. Batsford Ltd; London
2. Illustrating Fashion- Kathryn Mckelvey and Munslow Blackwell Science, Austraila
3. Fashion illustration- Julion Seamon – BT Batsford Ltd, London

OPEN COURSE

SEMESTER V

HTF5DO1 FOOD SCIENCE AND BASIC COOKERY

HOURS/WEEK: 3 **CREDITS: 3**

Objectives:

To enable students to understand the nutritive composition, methods of cooking and preservation of foods.

Sl No	Course Outcome	PSO	CL	KC	Class Sessions	Lab/Field study
1	Understand structure, functions and classification of foods and different food groups	PSO 1	U	F	10	-
2	Understand the nutritional and anti-nutritional factors of various foods	PSO 1	Ap	P	12	-
3	Assess the effect of heat on foods and compare different methods of cooking	PSO 2	U	F	10	18
4	Understand food additives and different preservation methods for food processing	PSO 2	C	P	4	36
5	Understand the principle and types of browning reactions	PSO 1	U	F	4	
6	Develop different recipes and evaluate its nutritional content	PSO 2	C	P	14	18
Total hours of instruction					54	72

Unit I - Introduction to food science ***10hrs***

Functions of food, basic food groups and different methods and objectives of cooking.

Unit II - Study of foods ***24 hrs***

a. Cereals – Nutrient composition, effect of heat on starch and protein, role of ingredients in bread making and cake making.

b. Pulses – Nutritive value and germination, role of pulses in cookery.

c. Vegetables – classification and nutritive value and pigments.

d. Fruits – Composition and nutritive value, browning reaction

e. Milk and milk products – Nutrient composition, effect of milk on heating, fermented and non fermented milk products, role of milk in cookery.

f. Eggs - Nutritive value, characteristics of fresh eggs, role of egg in cookery. Salad dressing, stages of foam formation.

g. Meat - Nutrient composition and effect of cooking.

h. Fish – Nutritional composition and fish cookery.

i. Fats and Oils – Functions of oils and fats in food, rancidity.

j. Beverages – Classification, nutritional importance.

k. Sugar cookery – Caramalisation, hydrolysis, crystalisation and stages of sugar cookery.

Unit III - Food preservation – principles and methods 15 hrs

Related experiences

i. Record the weight of 1 cup/ 1tbsp/ 1tsp of different types of food stuffs.

Record the ratio of raw to cooked volume of rice, rava and pulses.

Simple preparations using cereals, pulses, milk, vegetables, fruits, egg, meat and fish.

ii. Salad dressing - mayonnaise

iii. Baking – Cake, pizza, cookies (demonstration)

iv. Food preservation – Jam, squash, jelly, pickles.

References

1. Norman, N. Potter and Hotchkiss, J.H, Food Science, CBSE publishers and Distributers, New Delhi, 1996.
2. Mudambi, S.R. and Rao, S.M. Food Science, New Age International (P) ltd. Bangalore, 1989.
3. Begum, M.P., A Text Book of Food, Nutrition and Dietetics, sterling Publishers Pvt. Ltd., New Delhi, 2001.
4. Srilakshmi, B., Food Science, New Age International Pvt. Ltd., New Delhi.

5. Mudambi, S.R. and Rajagopal M.V., Fundamentals of Food & Nutrition, New Age International (P) Ltd., New Delhi, 1990.
6. Swaminathan, M. Handbook of Food and Nutrition, the Bangalore Printing and Publishing Co., Ltd., Bangalore, 2003.

SEMESTER V

HTF5D02 INTERIOR DECORATION (OPEN COURSE)

Credit: 3 **Theory: 3hrs / Week**

Objectives

1. To make students conscious of aesthetics.

2. To help them understand beauty in design.

3. To develop in them an appreciation of art and design.

Sl No	Course Outcome	Pos/ PSOs	CL	KC	Class Sessions
1	Understand the elements and principles of design to create harmonious and balanced interior	PSO 1	U	F	10
2	Explain the properties of colour and its effects on the intended style	PSO 1	U	F	4
3	Discover the effect of natural and artificial light on colour and surface texture	PSO 3	An	F	2
4	Discover the importance of ensuring quality finishes on floor and walls to create professional and enduring interior space	PSO 3	An	C	6
5	Create striking and functional backdrop for furnishings and window treatments	PSO 2	C	M	6
6	Apply knowledge of design elements to the reality of placing objects in perfect manner	PSO 2	Ap	M	4
7	Create visual ideas about functional aspects of housing	PSO 2	C	M	4
8	Plan creative kitchen design by adapting principles	PSO 2	Ap	M	10
9	Summarise the elements of design in floral arrangement	PSO 2	U	F	8
Total hours of instruction					54

1**. Design (2hrs)**

Definition and types- traditional, decorative, modern designs –

2. Elements of design(4hrs)

Line,texture and light- types and effects, space, colour

3. Principles of design (4hrs)

Proportion, balance, rhythm, emphasis and harmony.

4. Colour theory (4hrs)

Properties, prang's colour system, colour schemes, psychological implication of colours.

5. Furniture selection and arrangement (4hrs)

Principles of furniture selection and arrangement of furnitures in different rooms. Materials used in furniture construction.

6. Window treatments (4hrs)

Types- interior and exterior and curtain styles (Priscilla, cottage set, café, swags, cascade, valances, blinds,)

7. Flower arrangement (2hrs)

Types (mass, line, mass cum line ,miniature and Japanese arrangement(Ikebana,)and principles.

8. Accessories (2hrs)

Classification- functional and decorative.

9. Home lighting (4hrs)

Types(local & general), Methods of lighting (direct, indirect and semi direct), Sources of lighting (Incandescent, fluorescent, structural and portable lamps), merits and demerits of incandescent bulbs and fluorescent tubes.

10. House (6hrs)

Functions, Principles of planning a house.

11. Kitchen (3hrs)

Types (L shaped, U shaped, H shaped ,Island kitchens and one wall). s. Kitchen work triangle.

Related experience _ Types of design-decorative, traditional and modern

_ Elements of design-applications

_ Principles of design-illustrations

_ Colour wheel

_ Colour schemes

_ Curtain styles

_ Accessories

_ Flower arrangement

References

1. Nickel, P and Dorsey, J.M. Management in family living,Wiley Eastern Private Ltd, New Delhi, 1976

2. Gross, I.M & Grandall, D.W Management for Modern Families, 1973

3. Faulkner R & Faulkner S, Inside todays home,Holt Rinchart Winston, Newyork

4. Rutt.A.H, Home furnishing, Wiley Eastern PrivateLtd, New Delhi

5. Varghese.M.A, Ogale, N.N.Sreenivasan,K home Management, New Age International

6. Agan.T, The house-its plan & use, J.P.Lippincott company, Newyork, 1970

SEMESTER V

HTF5DO3 TEXTILES AND APPAREL DESIGNING

HOURS/WEEK: 3 **CREDITS: 3**

Objectives

1. To recognize textile fibers.
2. To acquire ability in selecting textiles and constructing garments.

3. To develop self employment opportunities.

Sl No	Course Outcome	PSO	CL	KC	Class Sessions	Lab/Field study
1	Develop strong knowledge base in the fabric construction	PSO 1	U	F	17	
2	Understand about the various types of weaves	PSO 5	R& Ap	P	10	
3	Identify the traditional embroideries and textiles of india	PSO 1	U	C	13	-
4	Develop the basic skills in sewing	PSO 4	**U**	C	14	
Total hours of instruction					54	

Unit I Fibre, yarn, theory and fabric construction **10 hrs**

Definition, types, spinning, loom, weaving.

Unit II Weaves- Basic weaves and their variations **10 hrs**

Novelty weaves- types, pile, leno, lappet, swivel, dobby, jacquard, double cloth, cut spot, continuous weave, crepe.

Unit III Fashion **8 hrs**

definition, fashion cycle, fashion trends in India.

Unit IV Traditional textiles and embroideries of India **10 hrs**

Unit V Printing and dyeing **10 hrs**

– Types of dyes, printing methods

References

1. Hollen and Saddler; Textiles, Maxmillan.
2. Sushama Gupta, Neeru Garg, Renu Saini, Textbook of clothing and textiles, Kalyani publishers, Ludhiana.
3. Shailaja D Naik, Traditional Indian Textiles.
4. Essay M, Fashion Marketing, Blackwell Sciences Ltd., London.
5. Mary Mathews, Practical Clothing Construction., part I and II.

SEMESTER V

HTF5D03(P) PRACTICALS - TEXTILES AND APPAREL DESIGNING

1. **Stitches- Basic hand and decorative (embroideries- any 15)**
2. **Samples of mirror work, Kutch work, tatting, smocking.**
3. **Seams and seam finishes.**
4. **Bias and its application.**
5. **Pockets- Set in, pocket in a seam, hip pocket.**
6. **Collars – Chinese, peter pan, full shirt**
7. **Plackets – Continuous bound, faced and bound, broken kurta.**
8. **Construction of garments – Girl's frock, salwar, kameez, choli, nightee, 4 gore skirt.**
9. **Demonstration of block printing, stencil printing, screen printing**

SEMESTER V

HTF6PR-PROJECT

Credit: 2 **Theory: 2hours / week**

Objectives

- To make the students research oriented
- To establish new research to contribute to program planning and evaluation

Content

- Development of research Programme
- Collection of Review
- Conduct Pilot Study in the field
- Conduct of work in the lab/ hospital/ community
- Analysis of Data
- Writing for the thesis and submission

SEMESTER VI

HTF6B09 TEXTILE SCIENCE

HOURS/WEEK: 5 **CREDITS: 4**

OBJECTIVES :

1. To gain knowledge about textiles and their uses.

2. To acquire knowledge about fibre, yarn and fabric science

Sl No	Course Outcome	PSOs	CL	KC	Class Sessions	Lab/ Field study
CO1	Develop a strong knowledge on the properties of different fibers	PSO1	U, An	C,P	8	
CO2	Identify the innovative fibers & organize the basic weaves and fancy weaves	PSO1	Ap	P,F	12	22
CO3	Assume the parts and functions of loom & Explain the different mechanisms of loom	PSO1	A, U	C	11	
CO4	Interpret the general characteristics of textile material	PSO2	U	P	6	
CO5	Apply different fabric construction techniques	PSO3	Ap	C	5	
CO6	Make use of design, draft, and peg plan	PSO1	Ap	P,F	6	16
CO7	Apply the basic finishing technique for fabrics & Classify the different types of dyes and its methods	PSO1	Ap, U	P,C	13	12
CO8	Analyze the environmental impacts of textile industry	PSO4	An	C	5	
Total hours of Instruction					72	72

UNIT -1: FIBRE SCIENCE **12 hrs**

Classification of fibres, manufacturing process-cotton, wool, silk, vicose, rayon, physical and chemical properties , Blends and mixtures. Identification of fibres Subjective tests- Visual and Burning tests

Objective tests- Microscopic test and chemical test for cotton, cotton, linen, wool, silk, rayon acetate, nylon and polyester

UNIT -2: YARN SCIENCE **10 hrs**

Yarn making –spinning count and twist, classification of yarn, simple yarn –cable, ply and double, fancy yarn –slub , flake, spiral ,boucle, ratine, nub or spot yarn.

UNIT-3: FABRIC SCIENCE **14 hrs**

Loom- Parts and functions of a loom (primary and secondary motions), warping and pirn winding, Sizing.
Types of looms- Handloom/Power loom, Shuttle loom/ Shuttle less looms (Projectile, Rapier, Water jet and Air jet looms.
General characteristics of woven fabric- fabric count, grain, balance,
selvedge and its types.
Fabric design- Design, draft, peg plan and denting plan.
Basic weaves –plain, twill and satin and their variations, fancy weaves –pile, double cloth, swivel, lappet, leno, dobby and jacquard.

UNIT -4: OTHER FABRIC CONSTRUCTIONS TECHNIQUES **8 hrs**

crocheting, knotting, felting, braiding, laminating, bonding, netting, knitting and lace making.

UNIT 5 FINISHES **14 hrs**

Finishes • Basic finishes – scouring, bleaching, mercerizing, calendaring, tentering, beetling, napping, sanforizing. Silk weighting, durable press, crabbing, fulling
Special finishes – Water proofing, fire proofing, moth and mildew proofing.

UNIT 6 DYEING **12 hrs**

Classification of dyes – Natural, synthetic dyes
methods of dyeing –Batch and continuous process- jet, jigger, winch, pad, beam, cross, union, vaccum impregnation.
Stages of dyeing - stock, yarn, piece, solution, garment

UNIT 7 PRINTING **10 hrs**

Printing- styles- direct (block, roller, screen-hand, flat bed screen printing and rotary screen printing, stencil, duplex) discharge and resist (tie and dye, batik)

UNIT 8 TEXTILES AND ENVIRONMENT **10 hrs**

Environmental impacts- production, processing, transportation, use and care, child labour Ecofriendly fibers (hemp, jute, ramie, bamboo, pineapple leaf, banana) (novel fibers – spider silk, bacterial cellulose, corn fibers, fortrell ecospun) organic cotton

Eco labeling- aims and types of ecolabels

REFERENCES:

1. Technology of Textile Processing – Shenai, V.A. (1984), Vol.- IX, Sevak Publication

2. Hand Book of Textile Fibers – Cook, J. Gordon, Merrow Publishing Co. Ltd,

England

3. Manmade Fibers – Moncrief: R.W, John Wiley & Sons New York.

4. Dyeing and Chemical technology of Textile Fibers – Trotman, E.R. (1975), Charles

Griffino Company Ltd, London.

5. An Introduction to Textile Finishing – Marsh, J.T. (1979), B. I. Publications.

6. Chemicals after Treatment of Textiles – Mark H., Wooding N.S. & Atlas Smeeds,

(1970), John Wiley & Sons Inc., NY.

7. Handbook of fiber Science and Technology, Vol. II, Chemical Process of I and

Fabrics, Functional Finishes Part A – Lewin, M. and Selio, Stephen B. (1983) Marcel

Deker, Inc, NY and Basel.

8. Introduction to the Chemistry of Dyestuffs-Shenai, V. A (1991):, Sevak Prakashan

9. Natural Dyes and their Application to Textiles, Gulrajani M.L. and Gupta, D. (1982),

IIT Delhi.

10. Natural dyeing process of India-Mohanty, Chandramouli, Naik, (1987), Ahmedabad,

Calico Museum of Textiles.

11. Technology of Finishing-Shenai, V.A. and Saraf, N.M. (1990),Vol. X.II Edition
12. Fundamental Principles of Textile Processing-Shenai.V.A (1984); Vol. IX, I Edition, Sevak Pub
13. Evaluation of Textile Chemicals-Shenai, V.A and Mehra, R.H. (1984); Vol.VIII, Sevak Pub
14. Technology of Dyeing-Shenai, V.A. (1988); Vol. VI, Sevak Pub

SEMESTER VI

HTF6B09(P) PRACTICAL VI- TEXTILE SCIENCE

HOURS/WEEK: 4 **CREDITS: 4**

EXPERIMENTS

1. Collection of fibre studied-Natural and Synthetic
2. Collection of weaves studied-Basic and Novelty
3 Collection of non wovens
4 Identification of fibres
5 Analysis of fabrics- design, draft, denting and lifting plan for plain, twill and satin.
6 Tie and dye and batik printing

RECORD TO BE MAINTAINED.

SEMESTER VI

HTF6B10 APPAREL PRODUCTION AND QUALITY CONTROL

HOURS/WEEK:5 **CREDITS:4**

OBJECTIVES

1. To give the students an awareness regarding the equipments, their need and views in the garment industry.
2. To provide an insight into the aspects of quality control in the industry.

Sl No	Course Outcome	PSOs	CL	KC	Class Sessions	Lab/ Field study
CO1	Interpret the aspects of fabric department in the garment industry and Outline the international standards	PSO1	U	F	10	
CO2	Develop the knowledge regarding equipments, an work aids in garment industry	PSO1	Ap	P	8	
CO3	Understand various test methods used for yarns and fibers. Understand the artificial fibers and the acceptable quality level in apparel industry	PSO1	U	C	8	
CO4	Awareness on the various categories of menswear, women's wear and Children's wear.	PSO1		P		30
CO5	Develop skills to Work proficiently on the sewing machine and construct a complete garment	PSO3		P,C		42
Total hours of Instruction					72	72

UNIT 1 **20 hrs**

Fabric department – fabric inspection

Cutting and pattern making – spreading, requirement of spreading process, methods of spreading, nature of package, use and importance of marker, methods of marker planning, cutting – types of cutting machine., causes of defects in cutting, bundling and ticketing.

UNIT 2 **24 hrs**

Production – sewing machines – regular sewing machine, overlock, interlock, safety stitching, blind stitching, button hole, button stitching, rivet snap, bar tacking, embroidery.

Work aids – machine bed, machine table, work chairs, bundle clamps, stackers.

Attachments – folders and guides, seam types, stitch types, machine needle – parts and types.

Sewing threads – types & uses

Pressing and fusing.

Finishing- care labeling, ironing & packing.

UNIT 3 **24 hrs**

Quality control – terminology – quality control and quality assurance, quality department, the process of production, apparel testing and quality control – National standards – definition and benefits of standards, various international standards. Quality parameters of yarn/ fabrics/ garment/ accessories, testing – testing laboratories, various tests – yarn/ fiber, testing agency.

UNIT 4 **22 hrs**

Inspection, types of inspection, acceptable quality level. Certification in apparel industry – social accountability- 8000 (S.A 8000), international standard organization (I.S.O), world responsible apparel production (WRAP), total quality management (TQM).

References

1. Introduction to clothing manufacture – Gerry Cooklin – Blackwell Science, Australia
2. Garment technology for Fashion Designers - Gerry Cooklin – Blackwell Science, Australia
3. The technology of clothing manufacture – Harold Carr and Barbara Latham- Blackwell Science, Australia
4. Introduction to clothing production management – A J Chuter - Blackwell Science, Australia
5. An introduction to quality control for the apparel industry – Pradip V Mehta

SEMESTER VI

HTF6B10(P) PRACTICAL VII APPAREL PRODUCTION AND QUALITY CONTROL

HOURS/WEEK: 4 **CREDITS:4**

Drafting and construction of adults garments

1. **Top and skirt**
2. **Traditional wear- salwar kameez/chaniya choli**
3. **Party wear- gown**
4. **Choli**
5. **Trouser**

Record should be maintained.

For examination- drafting and construction of top, skirt, choli and salwar or kameez.

SEMESTER VI

HTF6B11 SOCIOLOGY OF FASHION

HOURS/WEEK: 4 **CREDIT: 2**

Objective:-

To spread the importance of fashion for social life and the role it plays in society

Sl No	Course Outcome	PSOs	CL	KC	Class Sessions	Lab/ Field study
CO1	Categorize the evolution of fashion from medieval to modern period	PSO1	An	C	9	
CO2	Discover the sociological aspects of clothing	PSO1	An	C	6	
CO3	Compare the personality factors and choices of clothing	PSO1	U	F,C	5	
CO4	Develop the consumer profile and Outline the fashion trends	PSO2	Ap	P	5	
CO5	Distinguish the fashion and social visibility and Outlining the theoretical perspectives of fashion	PSO4	An	C	7	
Total hours of Instruction					54	

UNIT 1 **12 hrs**

Factors influencing fashion changes

Role of costumes- status, sex appeal, personality

UNIT 2 **20 hrs**

Fashion cycle- fad cycle and classic cycle, length of cycles, consumer goods in fashion cycle, fashion leaders, fashion innovators, fashion motivators, fashion victim, fashion followers

Adoption of fashion- trickle up, trickle down and trickle across

UNIT 3 **22 hrs**

Sociological aspects of clothing:-

Clothing and wearer- personality factors and choices of clothing- clothing awareness, occupation, status and clothing, fashion as a mechanism of innovation and conservation.

Society and clothing choices- fashion as the mirror of the society, anti-fashion, fashion semiotics, globalization, consumerism and fashion.

UNIT 4 **18 hrs**

Top five Indian and International Designers, Centers of fashion, Market research- Definition and objectives, developing the research design, data collection, analyses of data, presenting the finding.

REFERENCES

1. The Making of Sociology – Ronald Fletcher – Rawath
2. The Dress of Women: A Critical Introduction to the Symbolism and Sociology of Clothing – Charlotte Perkins Gillman – Greenwood Publishing Group.
3. Sociology a Brief Introduction – Richard.T.Schaefer – Tata Mc Graw Hill

SEMESTER VI

HTF6B12(E1) ENTREPRENEURSHIP MANAGEMENT (Elective)

HOURS/WEEK: 3 **CREDIT: 2**

Objectives:

1. Understand the nature of entrepreneurial activities
2. To make students aware of the urgent needs for self employment
3. To develop skills in project identification, preparation of project reports and its implementation.

Sl No	Course Outcome	PSO	CL	KC	Class Sessions	Lab/Field study
1	Understand the concept of entrepreneurship	**PSO1**	**U**	C	15	
2	Develop entrepreneurial skills for economic development	**PSO3**	**U**	C	15	
3	Identify the entrepreneurial agencies and awareness on incentives to women	**PSO1**	U	C	12	
4	Develop project proposal	**PSO5**	**C**	P	12	
Total hours of instruction					54	

Unit-1 Entrepreneurship: **9hrs**

Definition, scope, characteristics, factors affecting entrepreneurial development, entrepreneur vs intrapreneur, classification of entrepreneur, entrepreneur motivation, difference from a manager, role of entrepreneur in economic development.

Unit II Women entrepreneurs: **9 hrs**

Definition, present status in India, steps taken for the promotion of women entrepreneurs, problems faced by women entrepreneurs

Unit III EDP: **9 hrs**

Ddefinition, need, Objectives, steps, agencies conducting EDP, Role of government in organizing EDP.

Unit IV Agencies for entrepreneurial support – **9 hrs**

KITCO, SIDCO, KVIC, DIC, STED, SIDO, NSIC, TCO, SISI, SIDBI

Unit V Small scale industries: **9 hrs**

Definition, types, role in modern economy, steps for starting SSI, problems faced by SSI, supporting mechanisms – incentives and facilities from government.

Unit VI Project: **9 hrs**

Definition, types, steps in identification, project life cycle, scope and importance, project objectives

References

1. Desai, N. Entrepreneurial development- Principles, programmes, Policies(Vol.1) Formulation Appraisal and Financing (VOL.II) and Programmes and Performance

   (VOL III) Himalaya Publishing House, Bombay, 1996

2. Vinod A, Entrepreneurship Management
3. Winze.M.D Women Entrepreneurs in India, Mital publications, New Delhi 1987.
4. Jose Paul, Entrepreunership Development
5. Jayan, Entrepreneurship Development

SEMESTER-VI

HTF6B12(E2) QUANTITY FOOD PREPARATION TECHNIQUES

HOURS/WEEK: 3 **CREDIT: 2**

objectives

1. To enable students to Understand the objectives of different types of Food Service Institutions.

2. Gain knowledge in menu planning, preparation of recipes in large scale and serving and in food costing.

Sl No	Course Outcome	Pos/PSOs	CL	KC	Class Sessions	Lab/ Field study
CO1	Identify the scope of food service industry	PSO1	Ap	C	4	
CO2	Using different types of menu	PSO1	Ap	C	2	2
CO3	Analyze menu pricing and evaluation	PSO1	An	P	3	2
CO4	Apply different techniques in food purchasing	PSO1	Ap	P	4	2
CO5	Identify and develop receiving procedure and storage of food items	PSO1	Ap	P	7	2
CO6	Build standardized recipes and portion control techniques	PSO1	C	P	4	3
CO7	Understand the product standards for purchasing and selling food items	PSO1	U	C	11	
CO8	Construct different styles of food service system	PSO1	Ap	P	5	2
CO9	Evaluate budget, food cost control and interpret financial data	PSO1	E	C	7	
CO10	Ensure the patients receive their best possible nutritional intake whilst in hospital	PSO1	An	C	7	
Total hours of Instruction					54	13

Unit I –Food Service Industry ***6 hrs***

Scope of hospitality industry, different categories of hotels and their objectives.

Unit II - Menu planning-The primary control of food service ***6 hrs***

Types of menu – A la carte, Table d'hote & cyclic Factors affecting menu planning, menu presentation menu presentation, pricing and evaluation.

Unit III –Purchasing ***6 hrs***

Procurement, qualities of an institutional buyer, product selection, specification, methods of purchasing and purchasing process.

Unit IV –Receiving and storage ***6 hrs***

Receiving - delivery methods, delivery procedure and receiving procedure. Storage –types (dry storage and cold storage)

Unit V –Standardization of Recipes ***6 hrs***

Standardization and portion control

Unit VI –Quantity Food production and quality control ***6 hrs***

Objectives of food production, methods of production, product standards and product control – HACCP

Unit VII -Distribution and service of Food ***6 hrs***

Types of food service – waiter service, self service and vending

Unit IX Budget ***6 hrs***

Steps in budget planning, budgeting concept, break even analysis food budget, food costing, and food cost control.

<u>Related Experience:</u>

Standardization of 10 selected recipes used in food service Institutions and quantity food production of any two items.

REFERENCES:

1.Mohini Sethi and Surjeet, M. Malhan, " Catering Management an Integrated approach", Wiley Eastern Limited, Mumbai, II edition reprinted, 1996.

2. Marian C. Spears; Food Service Organization; III Edition, Prentice Hall Inc., usa.1995.

3.West and Woods, Introduction to Food Service, Macmillan Publishing Company, New York, 7 th edition, 1994.

4. Odder Cesarani and David Fosket, Theory of Catering, Odder and Stoughton, London, x th edition, 2003.

5. Odder Cesarani and David Fosket, Food and beverage service, Odder and Stoughton, London, x t h edition, 2003.

SEMESTER-VI

HTF6B12(E3) EXTENSION AND COMMUNICATION

HOURS/WEEK: 3 **CREDIT: 2**

Objectives

To enable the students to:

1. Understand the principles and objectives of extension and community development in our country.
2. Acquire knowledge and skill in using communication techniques.
3. Prepare for higher studies in Extension Education

Sl No	Course Outcome	Pos/ PSO	CL	KC	Class Sessions	Lab/Field study
1	Understand the objectives of extension education	**PSO 1**	**U**	C	8	
2	Develop a social commitment for community	**PSO 6**	**U**	P	8	
3	Understand the rural sociology in India	**PSO 6**	U	C	12	
4	Develop good communication skills to aid community service	**PSO 6**	**Ap**	P	8	
5	Build leadership qualities	**PSO 7**	Ap	P	9	
6	Identify the scope of Home Science extension education	**PSO 1**	**An**	C	9	
Total hours of instruction					54	

Unit I *Community* Development **27 hrs**

1. **Extension** –Meaning, principles, concepts, scope and objectives of extension education in India
2. **Community development in India**: Objectives, principle, philosophy, Types of communities-Rural and Urban, community development programmes in India-origin and history, Basic rural Institutions-school, panchayat, co-operatives; other institutions-mahila mandals, youth clubs, rural youth programmes-4-H clubs, YFA
3. **Leadership** –Concepts, definition, characteristics, types, selection and training of leaders, methods of identifying professional and lay leaders.

4. **Programme planning in Extension**- Definition, principle, criteria for good programme planning, scope, steps involved in programme development, plan of work, calendar of work, types of evaluation in extension.
5. **Rural Sociology:** Characteristics, comparison between rural and urban society, Panchayat Raj-3 tier system, kudumbasree.
6. **Agencies and programmes for community development:** SWB, urban and rural co-operative banks, District Rural Development Agency, Employment Training and Poverty Alleviation-IRDP, JRY, TRYSEM, DWCRA, NAEP

Unit II Communication ***27 hrs***

1. **Communication:** Definition and importance, elements of communication- leagen's model, problems in communication, motivation- methods of motivating people
2. **Methods of approaching people**-Classification of extension teaching methods-individual, group and mass methods, scope, advantages and limitations of methods.
3. **Audio-Visual Aids-** Importance of audio-visual aids in communication, cone of experience, factors to be considered in selection, preparation and use of audio visual aids, their merits and demerits
4. **Home Science Extension Education:** Needs and methods, vocationalization of Home Science in India, self-employment and Entrepreneurship through Home Science.

References

1. O.P.Dahama, O.P.Bhatnagar, Education and communication for Development, 2nd edition, Oxford and IBH publishing Co., Pvt.Ltd.New Delhi.
2. S.V.Supe. An Introduction to Extension Education, Oxford and IBH publishing Co., Pvt.Ltd.New Delhi.
3. A.Advivi Reddy, Extension Education, Sreelakshmi press, Baptla.
4. Dale.E, Audio Visual methods in teaching, The Dryden Press, New York.
5. Kulendaivel.K, Audio Visual Education, Sri Ramakrishna Mission Vidyalaya, Coimbatore.
6. Dey.S.K, Panchayat Raj, Asia publishing house, Bombay, 1961.
7. Waghmore.S.K, Teaching Extension Education, Prasant publishers, Vallabha, Vidhyanagar, 1980.

VIMALA COLLEGE (AUTONOMOUS)

THRISSUR

(Affiliated to University of Calicut)

B.Sc. DEGREE PROGRAMME IN

HOME SCIENCE

(TEXTILES AND FASHION TECHNOLOGY)

UNDER CHOICE BASED CREDIT AND SEMESTER SYSTEM

QUESTION PAPER

2019 ADMISSION ONWARDS

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FIRST SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF1B01- HISTORIC COSTUMES

Time: 2 Hours Maximum Marks: 60

SECTION A

Answer all questions. Each question carries 2 marks.

1. What is Upavita?
2. Describe Buffont.
3. Write short note on Palla.
4. What are the basic functions of clothing?
5. What is Nishka?
6. What all are the foot wears used in Ancient Rome?
7. What is Antarya and Uttariya?
8. What is modesty?
9. What is insignias?
10. What are the specialities of American Costume?
11. What are the specialities of Guptas?
12. Describe Vedic age.

ceiling marks=20

SECTION B

Answer all. Each question carries 5 marks.

13. Describe about Traditional Dyed textiles in India.
14. Explain about Romen man and women costumes.
15. Write a brie note on the costumes of Guptas.
16. Describe about Satavahanas costumes.
17. Describe about Japanese costumes.
18. Explain briefly about the textiles and dyes in Mauryan Period.
19. Write a note on Indus Valley Civilization.

Ceiling marks=30

SECTION C

Answer any one. Each question carries 10 marks

20. Explain in detail about the origin of clothing.
21. Describe in detail about Egyptian costumes.

10x1=10

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SECOND SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF2B02- FASHION MARKETING AND SHOP FLOOR MANAGEMENT

Time: 2 Hours Maximum Marks: 60

Section A

Answer all questions. Each question carries 2 marks.

1. What is fashion forecasting?
2. What is line?
3. Write a short note about Merchandising Calender
4. What is Lead Time?
5. What is merchandising?
6. What are the 4 types of fashion season?
7. What is fashion marketing?
8. What is ready-to wear?
9. What is long term fashion forecasting?
10. Describe about sources of fashion forecasting.
11. Write a brief note on costing.
12. Explain store window display.

ceiling marks=20

Section B

Answer all questions. Each question carries 5 marks.

13. Describe about advertising.
14. Write a short note on promotional activities of government organization.
15. Describe on store management.
16. Explain role of merchandiser.
17. Write a short note on retail management.
18. Describe about store interior planning.
19. Explain on product development and product cycle.

ceiling marks= 30

Section C

Answer any one. Each question carries 10 marks

20. Explain in detail fashion marketing
21. Write a detailed description on shop floor management and terminologies.

1x10=10

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

THIRD SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF3B03 COMPUTER AIDED FASHION DESIGN

Time: 2 Hours Maximum Marks: 60

Section A

Answer all. Each question carries 2 marks.

1. Define computerized embroider.
2. Expand CAD and CAM.
3. What is 3D modeling?
4. Name the software used in industries.
5. What is computer application in designing?
6. What is fashion studio?
7. Define grading.
8. Explain CAD, CAM and CIM.
9. State the difference between 2D and 3D system.
10. Explain grading.
11. Give a note on working principles of printer.
12. Describe marker planning.

ceiling marks=20

Section B

Answer all questions. Each question carries 5 marks.

13. What are the important inputs and outputs devices now a day's used in CAD?
14. Briefly explain grading, marker planning, laying, cutting.
15. What all are the Photoshop work areas? Explain.
16. What are laso tools and name them and explain their uses.
17. How to create a transparent background in Photoshop?
18. Briefly explain Adobe Photoshop and Adobe Illustrator.
19. Explain how you can create a table in Illustrator.

ceiling marks=30

Section C

Answer any one. Each question carries 10 marks

20. What is the main difference between Illustrator and Photoshop?
21. How can you create a art board in Adobe Illustrator? Explain.

1x10=10

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY

(CBCSS-UG)

Core Course- HTF4B04- GARMENT CONSTRUCTION AND PATTERN MAKING

Time: 2 Hours Maximum Marks: 60

Section A

Answer all. Each question carries 2 marks.

1. What is size charts?
2. Write a short note?
3. What is flat pattern technique?
4. What is seam finishes?
5. What is French seam?
6. What is the purpose of grading?
7. Write a note on grain.
8. Explain the importance of body measurement in garment construction?
9. Explain any four seam finishes?
10. Explain any types of fullness in garment construction?
11. What is pattern layout?
12. Explain procedure for cutting of fabric?

ceiling marks=20

Section B

Answer all. Each question carries 5 marks.

13. Describe the elements and functions of clothing?
14. Explain methods for garments construction?
15. Explain the principles of taking body measurements?
16. Describe the purpose and importance of grading?
17. Explain drafting and draping?
18. Describe about seam finishes?
19. Explain pattern layout and transferring?

ceiling marks=30

Section C

Answer any one. Each question carries 10 marks

20. Describe about Grain in fabric cutting?
21. Definition and purpose of Grading

10x1=10

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FOURTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF4BPL2 –PRACTICAL II - GARMENT CONSTRUCTION AND PATTERN MAKING

Time: 3 Hours Maximum Marks: 80

1. Adapt the given pattern and submit the pattern pieces in different stages of adaptation.
2. Draft and construct the following garment.

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF5B05- GARMENT COSTING

Time: 2 Hours Maximum Marks: 60

Section A

Answer all. Each question carries 2 marks.

1. What is direct labour?
2. Define cost ratio.
3. What do you mean by fixed variables and semi variables?
4. Define marketing cost standard.
5. What are the elements of cost?
6. Define break even analysis.
7. What is contribution margin?
8. What are the four Ps of marketing?
9. Explain two types of pricing.
10. Write 4 functions of a retailer.
11. What are the effects of value change?
12. Define price elasticity of demand and supply.

ceiling marks=20

Section B

Answer all questions. Each question carries 5 marks.

13. Explain the patterns in the apparel industry.
14. Explain sales mix by garment style.
15. Explain marketing cost.
16. Explain the effect of volume change.
17. Brief out the capacity level concepts.
18. Explain direct labour and direct material.
19. Briefly explain cost behavior.

ceiling marks=30

Section C

Answer any one. Each question carries 10 marks

20. Explain elements of cost, direct material and direct labour.
21. Explain the following:
    a) Fixed variable b) variable c) cost ratio.

1x10=10

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF5B06- FASHION PRESENTATION

Time: 2.5 Hours Maximum Marks: 80

Section A

Answer all. Each question carries 2 marks.

1. What is the difference between velvet and velveteen

2. Write any two nature based theme for fashion show

3. Any 4 decorative materials used for “belts”

4. What is mood board

5. What is ramp?

6. Role of make up in fashion show

7. Importance of vertical lines in costumes.

8. Explain any four eco friendly mediums which can be use for jewellery making

9. Explain qualities of diamonds

10. What is theme based illustration?

11. What is client board?

12. What is surface ornamentation?

13. Explain any two types of displays.

14. Describe the types of models.

15. Define visual merchandising and bring out its importance.

ceiling marks=25

Section B

Answer all questions. Each question carries 5 marks.

16. What are the uses of swatch board in surface texture of the designed costumes?

17. Write a note on colash work.

18. Write a note on designing head gears.

19. Bows and ties add attraction to a garment. Justify

20. What are different types of foot wear?

21. Use of macrine in fashion accessories.

22. Write a note on fashion forecasting

23. Explain the importance of creating a portfolio.

ceiling marks=35

Section C

Answer any two. Each question carries 10 marks

24. Accessories are important in fashion. Justify

25. Explain the different types of line in fashion industry

26. Explain the role of design studio in a fashion show

27. What are theme boards? What is this relation to creating designs of costumes

2x10=20

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF5B07- TRADITIONAL INDIAN TEXTILE AND SURFACE ORNAMENTATION

Time: 2.5 Hours Maximum Marks: 80

Section A

Answer all. Each question carries 2 marks.

1. Write a note on French knot
2. Write a note on Bead work
3. Write a note on Tatting
4. Write a note on Ikat
5. Write a note on fish bone
6. Write a note on cut work
7. Write a note on pressor foot
8. What is shaded embroidery?
9. Explain long and short embroidery
10. What is eyelet work
11. What is costing and marketing?
12. What is carding?
13. Explain the stitches of chikankari.
14. Differentiate between bagh and chope.
15. Explain pitamber.

ceiling marks=25

Section B

Answer all questions. Each question carries 5 marks.

16. Explain any 4 special attachments to sewing machine for embroidery
17. Different methods of crochet
18. Explain the care and maintenance of articles

19. Write a short note on marketing of finished embroidery goods
20. Write a short note on brocades
21. Write a short note on drawn thread work
22. Explain mate ni pachedi.
23. Describe the textiles of kerala.

ceiling marks=35

Section C

Answer any two. Each question carries 10 marks

24. Explain the general rules of hand and machine embroidery
25. Explain any four traditional textiles and embroidery of Gujarat
26. Explain any 2 traditional textiles of south India
27. Write a short note on the following traditional embroideries
    a) Chikankari b) Bandhini c) Phulkari d) Chamba

2x10=20

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF5B08- CONCEPTS OF FASHION DESIGN

Time: 2.5 Hours Maximum Marks: 80

Section A

Answer all. Each question carries 2 marks.

1. What is a color?
2. What is Fad and classic?
3. What is Pret-A-Porter?
4. What is a high fashion?
5. What is Haute Couture?
6. What are shades in color?
7. What are warm and cool colors?
8. Explain fashion.
9. What is a mass fashion?
10. Explain custom made
11. What is split complementary color scheme?
12. Explain texture.
13. Explain the related colour schemes.
14. Describe the types of figures.
15. Explain the types of textures.

ceiling marks=25

Section B

Answer all. Each question carries 5 marks.

16. Explain elements used in creating a design.
17. What are the principles of design?
18. Explain color dimensions.
19. Explain structural element of fabric.
20. Explain about color wheel with a neat diagram.
21. Explain the dimensions of colour.
22. What are the steps in wardrobe planning?
23. Write a note on rhythm.

ceiling marks=35

Section C

Answer any two. Each question carries 10 marks

24. Describe fashion terminology.
25. Illustrate a party wear on a croqui and mention the details used.
26. Explain elements of design.
27. Describe in detail about texture.

2x10=20

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Open Course- HTF5D01- FOOD SCIENCE AND BASIC COOKERY

Time: 2 Hours Maximum Marks: 60

Section A

Answer all. Each question carries 2 mark

1. What is dextrinisation?
2. Explain enzymatic browning.
3. What are the pigments in vegetables?
4. Explain poor man's milk.
5. What all are the importance of breakfast cereals?
6. Describe the effects of germination on pulses.
7. Name any five pigments present in vegetables.
8. Write down the different proteins in egg white and egg yolk.
9. Write any three nutritional importance of meat.
10. Explain sugar crystallization.
11. Explain the role of egg in cake making.
12. What are leavening agents?

ceiling marks=20

Section B

Answer all. Each question carries 5 marks.

13. Explain rancidity in detail.
14. Objectives of cooking.
15. Describe browning reaction.
16. Explain caramilization of sugar
17. Importance of food preservation.
18. Give the functions of oils and fat.
19. Describe the nutritional importance of beverages.

ceiling marks=30

Section C

Answer any one. Each question carries 10 marks.

20. Explain the different methods of cooking with suitable examples.
21. Explain nutritional composition and importance of fish cookery.

1x10=10

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Open Course- HTF5D02- INTERIOR DECORATION

Time: 2 hours Maximum marks: 60

Section A

Answer all questions. Each question carries 2 marks

1. Explain Japanese arrangement.
2. What is intermediate colour?
3. Functional accessories
4. What is monochromatic colour scheme?
5. What are decorative accessories?
6. Differentiate between tint and shade.
7. Explain the types of line.
8. Illustrate café curtain.
9. Draw a kitchen layout for a studio apartment.
10. What are miniature arrangements.
11. What is radial balance?
12. Explain work triangle.

(ceiling marks=20 Marks)

Section B

Answer all questions . Each question carries 5 marks

13. Explain the types of window treatment?
14. What are the materials used for flower arrangement?
15. Explain rhythm and harmony
16. Explain formal and informal balance
17. Explain psychological impact of blue colour?
18. Classify and explain colour schemes.
19. Describe the various curtain styles.

(ceiling marks=30 Marks)

Section C (essay questions)

Answer any one Question. Each question carries 10 marks.

20. Explain flower arrangement under the following heading

a)Types b) Materials used c) Mass arrangement

21. Explain colours with the help of Prang's colour wheel.

(10 x1=10 Marks)

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Open Course- HTF5D03- TEXTILES AND APPAREL DESIGNING

Time: 2 Hours Maximum Marks: 60

Section A

Answer all. Each question carries 2 marks.

1. What is a fiber?
2. What is jacquard loom?
3. What is Chamba Rumal?
4. Explain kalamkari.
5. What is screen printing?
6. Comment on ecofriendly dyes.
7. Define a yarn.
8. Classify dyes.
9. What is fad aand classic
10. Explain dobby weave.
11. What is a bagh?
12. Why is chikankari termed as white embroidery?

ceiling marks=20

Section B

Answer all. Each question carries 5 marks.

13. Explain jacquard.
14. What is fashion?
15. Describe on any two types of printing.
16. Explain kashida embroidery.
17. Write a brief note on hand embroidery and machine embroidery.
18. Explain fashion cycle.
19. Explain types of phulkari

ceiling marks=30

Section C

Answer any one. Each question carries 10 marks.

20. Describe about traditional textiles and embroideries of India.
21. Explain types and methods of printing.

1x10=10

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF6B09- TEXTILE SCIENCE

Time: 2.5 Hours Maximum Marks: 80

Section A

Answer all. Each question carries 2 marks.

1. What is fiber?
2. What is yarn?
3. Define grain.
4. Define loom.
5. What is fabric design?
6. What is selvedge?
7. What is fancy weaves?
8. Describe any two basic weave.
9. Explain water jet.
10. Write a short note on spinning count and twist.
11. Explain shuttleless looms.
12. Differentiate between hand loom and power loom.
13. Explain the chemical spinning methods.
14. Describe dobby weave.
15. What are the effects of mercerization?

ceiling marks=25

Section B

Answer all. Each question carries 5marks.

16. Explain classification of fibers.
17. Describe classification of yarns.
18. Explain parts and functions of a loom.
19. Explain manufacturing process of cotton.
20. Describe chemical test for wool fabric.
21. Write in detail about water proof and fire proof
22. What the styles of printing?
23. Discuss vat dyeing.

ceiling marks=35

Section C

Answer any two. Each question carries 10 marks

24. Explain differ types of dyeing and printing.
25. Describe on basic finishes in textiles.
26. Explain classification of fibers and manufacturing process of wool and silk.
27. Explain characteristics of woven fabrics.

2x10=20

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF6B09(P)– PRACTICAL VI- TEXTILE SCIENCE

Time: 3 Hours Maximum Marks: 80

1. Identify the following fibres and and draw its L.S. and C.S. microscopic view.
2. Identify the following weaves and write 2 uses each (10)
3. Analyse the following fabric sample for its weave construction and draw the design, draft and lifting plan.
4. Calculate the ends and picks per inch of the given samples.

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF6B10- APPAREL PRODUCTION AND QUALITY CONTROL

Time: 2.5 Hours Maximum Marks: 80

Section A

Answer all. Each question carries 2 marks.

1. What is spreading?
2. What is machine bed?
3. Describe inspection.
4. What is bundling?
5. What is labeling?
6. What is ISO?
7. What is total quality management?
8. Explain different types of hand embroidery
9. Describe about production process.
10. Explain methods of spreading.
11. Explain Inspection.
12. Write a short note on marker planning.
13. Explain the tree main parts of a sewing machine.
14. Types of sewing threads
15. Explain the functions of marker planning.

ceiling marks=25

Section B

Answer all. Each question carries 5 marks.

16. Describe different types of seams.
17. Explain machine needles.
18. Difference between bundling and ticketing.
19. Explain quality control and quality assurance.
20. Describe the uses and importance of marker.
21. Explain the causes of defects in cutting.
22. Describe the types sewing machines.
23. Write a note on work aids. ceiling marks=35

SectionC

Answer any two. Each question carries 10 marks

24. Describe the types of cutting machine.
25. Explain quality control and terminology.
26. Describe inspection and types of inspection.
27. Types and uses of sewing threads.

2x10=20

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF6B10(P) – PRACTICAL VII- APPAREL PRODUCTION AND QUALITY CONTROL

Time: 3 Hours Maximum Marks: 80

1. Draft and construct the following garment

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF6B11 SOCIOLOGY OF FASHION

Time: 2 Hours Maximum Marks: 60

Section A

Answer all. Each question carries 2 marks.

1. Personality factors in selection of clothing. Describe.
2. Definition of market research.
3. What is market survey?
4. Write any two sociological acceptance of clothing.
5. Latest fashion trends among a adolescent.
6. Describe the sources of fashion.
7. Describe any two personality factors affecting clothing.
8. Write short note on occupation and fashion.
9. What are retarding factors of fashion cycle?
10. What is anti fashion?
11. Write a short note on data collection market research.
12. What is semiotics?

ceiling marks=20

Section B

Answer any four. Each question carries 5 marks.

13. Explain the role of fashion as a mechanism in innovation.
14. Explain factors favouring fashion cycle.
15. Explain the objectives of market research.
16. Describe globalization in fashion industry.
17. Explain the sources of fashion.
18. Explain trickle down theory.
19. Explain the Thurston Veblen's theory of leisure class.

ceiling marks=30

Section C

Answer any one. Each question carries 10 marks

20. Explain the custom from medieval to modern period

21. Fashion is the mirror of the society .Explain.

1x10=10

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF6B12(E1)- ENTREPRENEURSHIP MANAGEMENT

Time: 2 Hours Maximum Marks: 60

Section A

Answer all. Each question carries 2 marks.

1. What is Entrepreneurship ?
2. What is EDP ?
3. What is KITCO?
4. What is women Entrepreneur?
5. Define SSI
6. What is entrepreunuer?
7. What is project formulation?
8. Compare the function of NSIC and KVIC
9. What are chacteristics of an entrepreneur ?
10. Distinguish between entrepreneur and entrepreneurship.
11. Give the classification of projects.
12. What is project planning?

ceiling marks=20

Section B

Answer all. Each question carries 5 marks.

13. Explain supporting mechanism incentives and facilities from government.
14. Explain Project Life cycle.
15. Compare the function of NSIC and KVIC.
16. Give the classification of projects.
17. Write about the remedies to solve th problem faced by women entrepreneur
18. Write the characteristics of SSI.
19. Write down the problems faced by women entrepreneur.

ceiling marks=30

Section C

Answer any one. Each question carries 10 marks

20. What do you mean by EDP? Explain the objectives of EDP
21. Entrepreneurship Development holds the key for rapid economic and social development of India

1x10=10

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SIXTH SEMESTER B Sc DEGREE EXAMINATION, (CBCSS-UG)

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

HTF6B12(E2)- QUANTITY FOOD PREPARATION TEXCHNIQUES (Elective)

Time:2 Hours Maximum Marks: 60

Section A

Short answer questions.
Answer all questions.
Each question carries 2 marks.

1. Explain transport catering
2. Write on menu presentation
3. Give a note on Purchase order
4. Write about dry storage
5. List out portion control equipments
6. List out Objectives of food production
7. Give a note on Agmark
8. What is vending?
9. What is over head cost?
10. Explain delivery procedure
11. Give a short note on mode of purchase
12. What is cyclic menus? (ceiling marks=20 Marks)

Section B

Answer all questions in a paragraph
Each question carries 5 marks

13. Give a note on Catering segments
14. Explain the difference between A la carte and Table d' hote menu
15. Detail the different methods of food purchasing
16. Explain different types of cold storage method
17. Give a note on methods of food production
18. Explain the factors responsible for losses in food cost
19. Explain the behavior of food cost

(ceiling marks=30 Marks)

Section C (Essay Questions)

Answer any one Question.

Each question carries 10 marks.

20. Explain Menu under the following headings

a) Factors affecting menu planning b) Menu Pricing

21. Elaborate the styles of service

(1x10=10 Marks)

Model Question Paper

VIMALA COLLEGE (AUTONOMOUS), THRISSUR

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION

HOME SCIENCE (TEXTILES AND FASHION TECHNOLOGY)

(CBCSS-UG)

Core Course- HTF6B12(E3)- EXTENSON AND COMMUNICATION

Time: 2 Hours Maximum Marks: 60

Section A

Answer all. Each question carries 2 marks.

1. What is extension?
2. What is philosophy?
3. Describe rural and urban.
4. What is JRY?
5. What is NAEP?
6. Define communication.
7. Define leadership.
8. Explain the importance and definition of communication.
9. What is classification of extension teaching method?
10. Describe needs and methods of home science extension.
11. Describe community development in india.
12. Breifly explain the scope and objectives of extension. ceiling marks=20

Section B

Answer any four. Each question carries 6 marks.

13. Describe on the types of communities on rural and urban.
14. Explain audio visual aids.
15. Decribe about the program planning in extension.
16. Explain IRDP,JRY,NAEP,DWCRA.
17. Describe on the origin and history of community development programs.
18. Explain the objective of extension education in India.
19. Explain rural sociology.

ceiling marks=30

Section C

Answer any one. Each question carries 10 marks

20. Explain importance and elements of communication
21. Explain about self-empolyment and entrepreneurship through Home Science.

2x10=20