

**BHARATHIAR UNIVERSITY, COIMBATORE – 46**  
**M.Sc TEXTILES AND CLOTHING DEGREE COURSE**  
**WITH COMPULSORY DIPLOMA**  
**(FOR THE STUDENTS ADMITTED DURING THE ACADEMIC YEAR)**  
**2009-2010 ONWARDS (AFFILIATED COLLEGES)**

**SCHEME OF EXAMINATIONS – CBCS PATTERN**

Sem.	Study Components	Course title	Ins. hrs/ week	Examinations				Credits
				Dur.Hrs.	CIA	Marks	Total Marks	
I	Paper I	Research Methodology and Statistics	6	3	25	75	100	5
	Paper II	Textile Science	4	3	25	75	100	4
	Paper III	Indian Textile Industry	4	3	25	75	100	4
	Paper IV	Historic Costumes & Textiles	4	3	25	75	100	4
	Paper V	Fashion Designing	4	3	25	75	100	4
	Practical I	Fashion Designing	4	3	40	60	100	3
	Elect / Dip.	Paper I	4	3	25	75	100	3
II	Paper VI	Advanced Pattern Making	5	3	25	75	100	6
	Paper VII	Apparel Quality Standard and Implementation	5	3	25	75	100	6
	Paper VIII	Computer in Fashion Designing	4	3	25	75	100	6
	Practical II	Computer in Fashion Designing	6	3	40	60	100	3
	Practical III	Advanced Dress Designing	6	3	40	60	100	3
	Elect./Dip.	Paper II	3	3	*	*	100*	3
III	Paper IX	Textile Chemistry	6	3	25	75	100	6
	Paper X	Fabric Structure and Design	5	3	25	75	100	6
	Paper XI	Textile Testing	5	3	25	75	100	6
	Practical IV	Textile Chemistry	5	3	40	60	100	3
	Practical V	Textile Testing	5	3	40	60	100	3
	Elect./Dip.	Paper III	4	3	25	75	100	3
IV	Project Work		-	-	-	-	200*	6
	Project work & Viva voce (150+50)							
	Elective/ Dip.	Paper IV	4	3	*	*	100*	3
		Total					2200	90

\* Includes 25/40% continuous internal assessment marks for theory and practical papers respectively. For Project report - 80%; Viva-voce - 20%

**List of Group Elective/Diploma papers (Colleges can choose any one of the Group/Diploma papers as electives)**

	GROUP A Diploma in Apparel and Fashion	GROUP B Diploma in Entrepreneurship Development	GROUP C Diploma in Textile Management
Paper I/ Sem I	Visual Merchandising	Entrepreneurship Development	Textile Economics
Paper II/Sem II	Garment Care & Labeling-Practical	Beauty Care I	Textile Chemistry
Paper III/Sem III	Home Textiles	Business Organization & Office Management	Principles of Costing
Paper IV/Sem IV	Home Textiles-Practical	Beauty Care II	Computer Applications in Business

**Note :**

1. The Syllabus for the above papers (Except Elective Diploma papers) will be the same as prescribed for the academic year 2007- 08.
2. The syllabus for the Elective Diploma papers are furnished below

**SEMESTER-I GROUP A : DIPLOMA PAPER-I**

**VISUAL MERCHANDISING**

**UNIT I**

Introduction – Elements of Visual Merchandising – Needs – Psychology – Display.

**UNIT II**

Maslows Pyramid – Postive Negative Theory – Visual Signature

**UNIT – III**

Applications of Visual Merchandising – Exterior, Interior, Trade show & Fair, product Package – POP (purchase of product) – Importance of POP.

**UNIT IV**

Mission of Shopping – Meeting Shoppers Mission – Big Shopping – Small Shopping "Store "Multi Brand Store.

## **UNIT V**

Branded, stores 7 International and National Level

## **REFERENCE**

1. Fashion Merchandising & Information, PRISCO
2. Fashion Merchandising, Elaini Store
3. Fashion Merchandising Introduction – Stores & Shoppers
4. Visual Merchandising
5. The business of fashion inside outside Kitty Dickerson

## **SEMESTER-II GROUP A : DIPLOMA PAPER-II** **GARMENT CARE & LABELLING-PRACTICAL**

1. Manufacturing of soap (Hot & Cold Process)
2. Starching Process (Hot & Cold Process)
3. Laundry Blue
4. Principle of washing
5. Landry of different fabric.
6. Dry cleaning
7. Stain removal
8. Study of various care labels.

## **SEMESTER-III GROUP A : DIPLOMA PAPER-III**

### **HOME TEXTILES**

#### **UNIT – I**

Introduction to home textiles

#### **UNIT – II**

Designing and drafting home textiles

Bed Linens

Table linens

Curtains & Draperies

**UNIT – III**

Interior Decorations for Home

**UNIT – IV**

Collection of different types of layout

- a. living room
- b. Kitchen
- c. Dinning Room
- d. Bed Room
- e. Study Room

**UNIT – V**

Hanging / mats

Wall

Door

**Reference**

1. Interior decorating effects, Stewart and Sally Walton, Lorenz books – 2000.
2. The book of upholstery, Candace Ord Manroe, Pub – 1987 present books.
3. Design and detail, the Practical guide to styling a house, Tricia Guild of Elizabeth Wilhide. 1<sup>st</sup> pub Conran Octopus limit.
4. Sunset slip cover and bed spreads step by step instruction decorating ideas, Editor Christian Barne and Maureen Williams.
5. House keeping management Dr.D.K.Aggarwal Amman publication, New Delhi.

**SEMESTER-IV GROUP A : DIPLOMA PAPER-IV**  
**HOME TEXTILES -PRACTICAL**

1. Designing and Constructing Home Textiles Introduction to Home Textiles  
Bed Linens  
Table linens  
Curtains & Draperies
2. Collection of different types of layout  
a. living room

- b. Kitchen
  - c. Dinning room
  - d. Bed room
  - e. Study room
3. Preparation of samples for hangings / mats
- a. Wall hangings
  - b. Door hangings
  - c. Door mats

**SEMESTER-I GROUP B : DIPLOMA PAPER-I**  
**ENTREPRENEURSHIP DEVELOPMENT**

**UNIT-I**

Definition of entrepreneur - Functions - Types. Concept of women entrepreneur - Functions and problems. Recent trends and development in women entrepreneurship.

**UNIT-II**

Project identification- Classification. Project formulation- Feasibility analysis and report. Selection. Project appraisal - Concept, Methods - cash flows, Pay back period, ARR. Methods of minimizing risk.

**UNIT-III**

Steps for starting a small scale enterprise - Steps to be taken. Preparation of Project report - Guidelines. Procedure and formalities for registration.

Selection of types of organization - Sole proprietorship. Partnership. Joint stock company.

Factors influencing the choice of organization.

**UNIT-IV**

Institutional finance to entrepreneurs - Commercial Banks . Other financial Institutions - IDBI, IFCI, ICICI, IRBI, LIC, UTI, SIDC, SIDBI, EXIM Bank.

**UNIT-V**

Institutional support to entrepreneurs - Need for support - NSIC, SIDO, SSIDC, SISI, SFC, DIC, TCO, TIIC, Kadhi and Village Industries Commission, Industrial Estates.

Introduction to TQM & ISO . WTO and its role in textile industry.

**REFERENCES:**

1. Entrepreneurship development - C.B. Gupta & N.P. Srinivasan
2. Entrepreneurship development - S. Khanka
3. Projects -Planning,Analysis,Selection,Implementation & Review - Prasanna Chandra

**SEMESTER-II GROUP B : DIPLOMA PAPER-II**  
**BEAUTY CARE I**

**UNIT I**

Introduction and importance of Beauty care. Importance of Personal Hygiene. Skin - Types of Skin - Factors affecting skin condition - Skin care.

**UNIT II**

Nail Care- Factors affecting nail growth. Manicure &Pedicure - Hands & feet Types of Manicure & Pedicure. Hand massages step by step procedure.

**UNIT III**

Bleach - Types of Bleaches, Mixing procedure and application on face, neck, hands and other parts.

**UNIT IV**

Facials - according to types of skin. Removal of black head, Massage step-by-step procedure. Pack - Types of pack.

**UNIT V**

Hair - Types of hair, importance of hair care, factors affecting hair growth.

Hair cut- Straight cut, U-cut ,V-cut, Step cut.

Hair Styling - Basic hair styles, Model and party styles.

**References:**

1. Hair, skin & Beauty care(The Complete body Book - Blossom Kochar(2000) VBSPD/VBS publishers Distributors Ltd. NewDelhi.
2. Complete Beautician course - Dr.Renu Gupta(2001) Diamond pocket books PvtLtd, NewDelhi.
3. Practical Guide to Beautician Training - Madhumita Paudwal (2002). Asian publishers, NewDelhi.

**PRACTICALS (To Gain Knowledge about Beauty Care- No Examination)**

1. Threading
2. Types of Bleaching.
3. Manicure & Pedicure ,
4. Waxing - Hands, Legs.
5. Facial - Normal.
6. Basic hair cuts.
7. Basic hairstyles.

**SEMESTER-III GROUP B : DIPLOMA PAPER-III  
BUSINESS ORGANIZATION AND OFFICE MANAGEMENT**

**UNIT -1**

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

**UNIT - II**

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

**UNIT - III**

Stock Exchange - Functions - Procedure of **Trading - Functions of SEBI - DEMAT** of shares- Trade Association- Chamber of Commerce.

**UNIT - IV**

Office - Its functions and significance - Office layout and office **accommodation - Filing and Indexing**

**UNIT - V**

Office machines and equipments - Data Processing Systems - EDP -Uses and Limitations - Office Furniture.

**BOOKS FOR REFERENCE**

1. Y.K.Bhushan - *Business Organisation and Management* - Sultanchand & sons
2. Shukla - *Business Organisation and Management* - S.Chand & Company Ltd.,
3. Saksena - *Business Administration and Management* - Sahitya Bhavan
4. Singh.B.P & Chopra - *Business Organisation and Management* - Dhanpat Rai & sons
5. R.K.Chopra - *Office Management* - Himalaya Publishing House
6. J.C.Deneyer- *Office Management*
7. Chatterjee - *Modern Business*

**SEMESTER-IV GROUP B : DIPLOMA PAPER-IV**  
**BEAUTY CARE II**

**UNIT I**

Skin Treatments - Pimple, Dark circles, Pigmentation, preparation and importance of each treatments.

**UNIT II**

Skin treatment - Mature skin, sun tan, open pores, preparation and importance of each treatment.

**UNIT III**

Art of Make up - Importance of Make up.

Tools used in make up, Cosmetics used for face make up. Types - Foundation, Gel, Moisturizer, Face powder. Face compact, Concealer, Blusher, Eye shadow And lipstick.

Selection application and different methods used.

**UNIT IV.**

Hair treatment - Hair falling, Hair coloring, Dandruff treatment, Henna treatment, Dye application, Hair Conditioning.

**UNIT V**

Hair styles - Bridal hairstyles, Party hairstyles with make up, Hairstyles suitable for fashion show. Mehendi cone preparation and application.

**Reference:**

1. Complete Beautician course- Dr.Renu Gupta(2001) Diamond pocket books PvtLtd, NewDelhi
2. Classic make up and beauty Book Maureen Barry more Dave king (1996)
3. Dorling Kindersley, London. 3. 388 Great Hair style Margit Rudiger and Renate Von Samson (2002) Sterling Publishing Co., Inc, Newyork.
4. 4.Hair,skin & Beauty care(The Complete body Book) - Blossom Kocher(2000) VBSPD,VBS publishers Distributors Ltd., NewDelhi.
5. Practicals Guide to Beautician Training - Madhumita Paudwal(2002). Asian Publishers. New Delhi.

**Practical (To Gain Knowledge about Beauty Care- No Examination)**

1. Pimple, Under eye, Pigmentation
2. Mature skin, Sun tan, open pores
3. Make up - Bridal /Party
4. Hair falling, Hair coloring, Dandruff, Henna treatment
5. Dye application, Hair Conditioning
6. Mehendi Application.



## **SEMESTER-I GROUP C : DIPLOMA PAPER-I**

### **TEXTILE ECONOMICS**

#### **UNIT I**

SCOPE OF METHODOLOGY : Definition of Economics – Nature and Scope of Economics – Utility analysis – Law of diminishing utility – Law of Equi ..... Marginal utility – Indifference curve – Approaches of Economic Analysis – Methodology of Economics maximization and other objectives – Marshall's utility Analysis – Law of Diminishing Marginal Utility – Social Responsibilities.

#### **UNIT II**

THEORY OF CONSUMER BEHAVIOUR : Demand Analysis – Demand Schedule – Law of Demand – Demand Curves – Elasticity of Demand – Consumer's surplus – Analysis Schedule.

#### **UNIT III**

Production – Factors of Production – Law of diminishing Returns – Law of variable proportions – Return to scale – scale of production – Law of supply – Cost and Revenue – concepts and Curves – THEORY OF PRODUCTION . Production Function – Factors of Production Enterprise as a Factor.

#### **UNIT IV**

PRODUCT PRICING : Market Definition – Types – Equilibrium under perfect competition of Firm and Industry – Pricing – Pricing under perfect competition. Monopoly – Price Discrimination – Pricing under Monopolistic competition – Pricing under Oligopoly.

#### **UNIT V**

FACTOR PRICING – Marginal Productivity theory – Theories of wages, rent, interest and profit.

#### **BOOKS FOR REFERENCE**

1. Principles of Economics - Seth M.L.
2. A Text Book of Economic Theory - Stonier and Hague
3. Macro Economics - Jhingan

## **SEMESTER-II GROUP C : DIPLOMA PAPER-II**

### **TEXTILE CHEMISTRY**

#### **UNIT I**

Introduction Process sequence - singeing, shearing, designing, scouring, bleaching and mercerizing - objectives, types, process parameters, operations and machines. Evaluation of fabrics - absorbency, whiteness, chemical change and degradation.

## **UNIT II**

Dyeing - Theory of dyeing -Classification of colourants -fastness properties of dyes- direct, reactive, vat surphur, azoic, acid, basic, disperse and natural dyes -properties and application on suitable material.

Dyeing machines - fibre, yarn, hank and package. Fabric - Jigger, winch, soft flow, HPHT, Jet, Continuous dyeing and garment dyeing machines.

Dyeing defects, causes and remedies.

Enzymatic Dyeing

## **UNIT III**

Printing - Ingredients - styles of printing - direct discharge and resist. Stencil, block, flock, batick, transfer, foam, screen, Capsule printing and tie-dye printing.

Printing machines - roller, flat bed, rotary screen and garment printing. Printing defects, causes and remedies.

## **UNIT IV**

Wool carbonizing - degumming of silk, weighting of silk, Finishing -calendar, shrinkage, control, heat-setting, anti creasing, water proof and repellency, fire retardants, soil release, softening, stiffening, moth proof, stone wash anti microbial and enzyme wash. Non-slip finishes, Anti static finishes, Antipilling finishes, Electrometric finishes, UV protection finishes, Insect resist and mite protection finishes. Enzymes finishes, Anti odour and fragrance finishes.

## **UNIT V**

Pollution - types-land, water, air and noise - causes and remedies

Effluent treatment - methods - colour removal - bio degradation

Eco friendly textiles

Field visit to processing unit.

## **Reference**

1. Technology of textile processing - Volume, I, II, III, IV, VI, VIII, IX & X - V-A Shenai.
2. Dyeing and chemical technology of textile fibres - E.R. Erotman
3. Technology of Textile printing - Prayag R.S
4. Pollution in textile industry, K.B. Krishnakumar, SSM ITT Staff and students co operative stores.
5. Treatment of textile processing effluents sakthi publications, Coimbatore
6. Chemical finishing of textiles - W.D. Schidler and P.J. Hauser, woodhead publishing and Textiles Cambridge England
7. Chemical Technology in the pretreatment processes of Textiles by S.R. Karmakar (1999) Edition Elsevier Science E.V., Amsterdam, The Netherlands.

### **SEMESTER-III GROUP C : DIPLOMA PAPER-III**

#### **PRINCIPLES OF COSTING**

##### **UNIT I**

Cost Accounting - Definition - Meaning and Scope - Concept and Classification - Costing an aid to Management — Types and Methods of Cost - Elements of Cost Preparation of Cost Sheet.

##### **UNIT II**

Material Control: Levels of material Control - Need for Material Control - Economic Order Quantity - ABC analysis - Perpetual inventory - Purchase and stores Control: Purchasing of Materials - Procedure and documentation involved in purchasing - Requisition for stores - Stores Control - Methods of valuing material issue.

##### **UNIT III**

Labour: System of wage payment - Idle time - Control over idle time - Labour turnover.

##### **UNIT IV**

Overhead - Classification of overhead - allocation and absorption of overhead.

##### **UNIT V**

Reconciliation of Cost and Financial accounts.

**NOTE : Distribution of marks : Theory 40% and Problems 60%**

##### **Books for Reference:**

1. S.P.Jain and KL. Narang, "Cost Accounting", Kalyani Publishers, New Delhi. Edn. 2005
2. R.S.N. Pillai and V. Bagavathi, "Cost Accounting", S. Chand and Company Ltd., New Delhi. Edn. 2004.

### **SEMESTER-IV GROUP C : DIPLOMA PAPER-IV**

#### **COMPUTER APPLICATIONS IN BUSINESS**

##### **UNIT I**

Computer : Introduction - Meaning - Characteristics - Generations - Types of Digital Computer - Components of Computer - Input, Storage and Output Devices - Uses of Computers in Modern Business.

## **UNIT II**

Software: Meaning - Types of Software - Operating Systems: Meaning - Functions - Types - Programming Language - Compilers and Interpreters.

## **UNIT III**

Database Processing: Data Vs. Information - Database Management Systems: Meaning - Components - Uses - Limitations - Types.

## **UNIT IV**

Management Information System: Meaning - Characteristics - Functional Management Information Systems: Financial - Accounting - Marketing- Production - Human resource -Business Process Outsourcing.

## **UNIT V**

Networking - Meaning - Types - Internet : Meaning - Internet Basis - World Wide Web - Internet Access - Internet Addressing - Search Engines - Electronic Mail.

### **Books for Reference:**

1. Fundamentals of Information Technology - Alexis Leon & Mathews Leon
2. Information Technology for Management - Henry C. Lucas
3. Computers and Commonsense - Roger Hunt and John Shellery
4. Management information System - Dr. S.P. Rajagopalan