

ENVIRONMENTAL STUDIES-I

Course Code	FS-3001 (Common in All Branches of Non Engineering)
Course Title	Environmental Studies-I
Number of Credits	2(L-2 T-0, P-0)
Prerequisites	None

Course Objectives

Environmental study is a subject as per directions of Supreme Court / Govt. of India. Under Act. 51 A (g) of our constitution it is our fundamental duty to protect our environment.

A diploma holder must have knowledge of different types of pollution so that she may help in balancing the eco system and controlling pollution by pollution control measures. She should also be aware of environmental laws related to the control of pollution.

Course Outcomes

After completing the course the Learner will

1. Understand the importance of Environmental cleanliness
2. Gain knowledge about the causes of Water and Air pollution ,their effects and methods to check the same.
3. Have the knowledged of different ttypes of solid waste and their management technices.

COURSE CONTENTS

1.	General :	3	L
	1.1 Biotic and abiotic environment.		
	1.2 Adverse effects of Environmental Pollution		
	1.3 Control strategies		
2.	Water Pollution :	7	
	2.1 Water Quality Standards		
	2.2 Surface and underground water sources		
	2.3 Impurities in water and their removal		
	2.4 Adverse effects of domestic waste water and industrial effluent to surface water sources		
	2.5 Self purification of streams		
3.	Air Pollution :	7	
	3.1 Sources of air contaminants		
	3.2 Adverse effects on human health		
	3.3 Measures to check air pollution		
	3.4 Greenhouse effect		
	3.5 Global warming		
	3.6 Acid rain		
	3.7 Ozone depletion		
4.	Solid Waste Management :	7	
	4.1 Introduction to solid waste		
	4.2 Its collection and disposal		
	4.3 Recovery of resources		
	4.4 Sanitary land-filling		

- 4.5 Vermi-composting
4.6 Hazardous waste management

REFERENCE BOOKS :

- | | | |
|-----|--|--|
| 1. | Patyavaran Shiksha | Dr. A.N. Mathur, Dr. N.S. Rathore & Dr. V.K. Vijay |
| 2. | Patyavaran Adhyayan | Dr. Ram Kumar Gujar Dr. B.C. Jat |
| 3. | Patyavaran Avabodh | Dr. D.D. Ojha |
| 4. | Environmental chemistry
and pollution control : | S.S. Dora |
| 5. | Ecology concepts and
application : | Manuel C. Muller |
| 6. | Environmental protection | Emil T. Chanlett |
| 7. | Environmental science | Cumingham. Saigo |
| 8. | Solid waste management : | C.I.. Mantell |
| 9. | पर्यावरण विनाश के कगार पर | राजीव गुप्ता |
| 10. | पर्यावरण जीवों का आंगन | प्रेमानन्द चंदोला |
| 11. | पर्यावरण (त्रैमासिक) | पर्यावरण एवं वन मंत्रालय, नई दिल्ली |
| 12. | Panda, New letter | WWF-India, New Delhi |

FUNDAMENTALS OF TEXTILES- I

SUBJECT CODE	FS-3002
SUBJECT TITLE	FUNDAMENTALS OF TEXTILES- I
NUMBER OF CREDITS AND HOURS PER WEEK	4.0 (L-4 T-0 P-0)
PRERESQUISITES	NIL

SUBJECT LEARNING OBJECTIVES

Provides a broad overview of textile fabrics and their components- fibres and yarns and how fibres, yarns and fabrics are constructed or produced and processed. It explains the principles formation, details the basic constructions and related terminology of woven, knitted and nonwoven fabrics.

SUBJECT LEARNING OUTCOMES (SLOs)

After studying the learner will gain a positive impact related to:

1. To understand, develop and apply the major concept related to textile in clothing construction.
2. To identify the basic components of fabric and their application.
3. To create a broad awareness of textiles uses in apparel, home and commercial furnishings and industry.

CONTENTS

- | | | |
|-----------|---|-----------|
| 1. | TEXTILE FIBERS | 24 |
| 1.1 | Meaning and definition of Fibre and Textile | |
| 1.2 | Classification and types of Fibre | |
| 1.3 | Properties of Fibre and fabric | |
| 1.4 | Characteristics, manufacturing process and uses of the listed below Fibres: | |
| | 1.4.1 Natural Fibres | |
| | 1.4.2 Vegetable or CellulosicFibres | |
| | 1.4.2.1 Cotton Fibre | |
| | 1.4.2.2 Linen Fibre | |
| | 1.4.3 Animal or ProteinFibres | |
| | 1.4.3.1 Wool Fibre | |
| | 1.4.3.2 Silk Fibre | |
| | 1.4.3.3 Hair Fibre | |
| | 1.4.4 Mineral Fibre | |
| | 1.4.5 Asbestos Fibre | |
| | 1.4.6 Manmade Fibres | |
| | 1.4.7 Regenerated Fibres | |
| | 1.4.7.1 Viscose Rayon Fibre | |
| | 1.4.7.2 Cuprammonium Rayon Fibre | |
| | 1.4.7.3 Acetate Fibre | |
| | 1.4.7.4 Triacetate Fibre | |
| | 1..4.8 Synthetic Fibre | |
| | 1.4.8.1 Polyamides- Nylon 6 and Nylon 6,6 Fibre | |
| | 1.4.8.2 Polyacrylonitrile - Acrylic and ModacrylicFibre | |
| | 1.4.8.3 Polyester Fibre-Dacron | |
| 1.5 | Identification test of the above listed Fibres: | |
| | 1.5.1 Microscopic test | |

	1.5.2	Physical test	
	1.5.3	Chemical test	
	1.5.4	Burning test	
	1.6	Blending Fibres	
2.	YARN FORMATION		13
2.1	Characteristic of yarn		
	2.1.1	Yarn Twist	
	2.1.2	Direction of twist	
	2.1.3	Amount of twist	
	2.1.4	Types of Yarn	
		2.1.4.1 Simple Yarns	
		2.1.4.2 Complex or Novelty Yarns	
		2.1.4.3 Textured Yarns	
2.2	Yarn Count		
		2.2.1 Fixed Weight Measuring System -Cotton, Linen, Wool and Sil	
		2.2.2 Fixed Length Measuring System	
		2.2.3 Thread or Fabric count Balance, Selvages, Fabric width and Fabric length	
3.	FABRIC		15
3.1	Fabric Structures		
	3.1.1	Woven Fabrics	
		3.1.1.1 Yarn preparation before weaving	
		3.1.1.2 Elementary Weaving Theory	
		3.1.1.2.1 Parts of looms	
		3.1.1.2.2 Weaving process – Primary, Secondary and Auxiliary motions	
		3.1.1.2.3 Basic weaves-Types of Plain weave, types of Twill weave, satin and sateen weave	
		3.1.1.3 Balance, Selvages, Fabric width and Fabric length	
3.2	Knitted Fabrics		
	3.2.1	Types of knitting	
		3.2.1.1 Weft Knitting- Knit Stitch, Purl Stitch	
		3.2.2.2 Warp Knitting- Tricot, Raschel and Milanese knitting	
	3.2.2	Characteristics of knitting	
	3.2.3	Felted and Nonwoven Fabrics	
		3.2.3.1 Felted Fabric	
		3.2.3.1.1 Felting Process and Types of Felt	
		3.2.3.2 Characteristics and Uses of Felt	
		3.2.3.2 Nonwoven Fabrics	
		3.2.3.2.1 Methods of manufacture	
		3.2.3.2.2 Characteristics and Uses of Nonwoven Fabrics	

REFERENCE BOOKS

1. Textiles: Fibre to Fabric by Bernard P. Corbman

2. Essentials of Textiles by Hollen and Saddler
3. Textile Science by E.P.G. Gohl and L.D. Vilensky

SEMESTER SCHEME 2020-21

FASHION THEORIES- I

SUBJECT CODE	FS-3003
SUBJECT TITLE	FASHION THEORIES I
NUMBER OF CREDITS AND HOURS PER WEEK	3.0 (L-3 T- P-0)
PRERESQUISITES	NIL

SUBJECT LEARNING OBJECTIVES

Provides a broad overview of costume traditions of diverse cultures from prehistoric times to the present day, explores various items of human decoration and adornment chronological coverage of the development of costume and fashion.

SUBJECT LEARNING OUTCOMES (SLOs)

After studying the learner will gain a positive impact related to:

1. Personality describing the relatively stable set of characteristics, tendencies and temperaments that have been formed by heredity and by social, cultural and environmental factors. The traits determine to interact with and react to various people and situations.
2. Develop a sense, that cultures are the "residue" of social communication clothing style.
3. Able to demonstrate the culture, mood, level of confidence, interests, age, authority, values and identity.
4. Learning the cultural characteristics such as customs, roles, rules, rituals, laws or other patterns that created and shared.

CONTENTS

1.	CLOTHING PERIODS	13
	1.1 Renaissance era	
	1.2 Grecian era	
	1.3 Victorian era	
	1.4 Roman or Byzantine era	
	1.5 Egyptian era	
2.	HISTORY OF INDIAN CLOTHINGS	13
	2.1 Indus Valley Civilization Period	
	2.2 Ancient and Classical Periods	
	2.1.1 Vedic Period	
	2.1.2 Pre-Mauryan and Mauryan Period	
	2.1.3 Early classical and classical Period	
	2.3 Medieval period	
	2.4 Modern Period	
	2.5 Post-Independence Period	
1.	SOCIOLOGICAL AND PSYCHOLOGICAL IMPACTS AND INFLUENCES OF CLOTHING	
	1.1 INDIVIDUALITY - A SEARCH FOR IDENTITY	13
	1.1.1 Personal appearance and awareness	

- 1.1.2 How personality is expressed with clothing
- 1.1.3 Psychological interpretation of dress
- 1.1.4 Self-concept and Self-image
- 1.1.5 Value, attitudes and interests affecting personality

3. REASONS FOR WEARING CLOTHES

- 3.1 Clothing for protection
- 3.2 Clothing for adornment

4. CLOTHING THE COMMUNICATOR OF CULTURE

- 4.1 Conformity of cultural expression
- 4.2 Clothing communicates-
 - 4.2.1 Economic position
 - 4.2.2 Social status
 - 4.2.3 Gender
 - 4.2.4 Age differentiation
 - 4.2.5 Marital position
 - 4.2.6 Political beliefs
 - 4.2.7 Religious practices
- 4.3 Technical advancement and Industrialization

2. REFERENCE BOOKS

1. INDIVIDUALITY A GUIDE FOR THE CONSUMERS BY MARY KEFGEN AND PHYLILLIS TOUCHIE- SPECHT
2. ANCIENT INDIAN COSTUMES by ROSHEN ALKAZI
3. INDIAN TEXTILES AND CLOTHING BY DR. BHAAU DAJI
4. TEXTILES IN ANCIENT INDIA BY DR. KIRAN SINGH

PATTERN DEVELOPMENT & APPAREL CONSTRUCTION-I

COURSE CODE	FS 3004
COURSE TITLE	PATTERN DEVELOPMENT & APPAREL CONSTRUCTION-I
NUMBER OF CREDITS AND HOURS PER WEEK	3.0 (L-3, T-0, P-0)
PREREQUISITES	NIL

SUBJECT LEARNING OBJECTIVES

In sewing and fashion design, a pattern is an original garment templates from which other garments of a similar style are copied, traced, cut and assembled to convert into Three Dimensionform. Pattern development is used for preliminary patterns drafting and development of the final pattern. Geometrical approximation of the garment is achieved by reshaping the surfaces of the flat pattern. trying mathematically to rectify and overcome the problems occurring in fitting of the individual garment.

SUBJECT LEARNING OUTCOMES [SLOs]:

This will ensure them to discover clear impression about the subject and able to attain by-

1. Learning basic garment pattern design and the development for the standard figure.
2. Learn to describe the general principles of pattern development.
3. Understanding and use of the Drafting and fitting Techniques, layout and estimation on various types fabric.

1. MEASUREMENT CHARTS FOR LADIES	2
1.1 Body Landmarks	
1.2 To record body measurements in sequence	
1.2.1 General measurements	
1.2.2 Optional measurements	
2. BASIC BLOCKS:	6
2.1 Types of blocks and their characteristics	
2.1.1 Simplified Block	
2.1.2 Standard Block	
2.1.3 Tailored Block	
2.1.4 Trade Block	
2.1.5 Primary and Secondary Block	
2.2 Draft of Ladies Blocks	
2.2.1 Basic Bodice Blocks	
2.2.2 Basic Sleeve Block	
2.2.3 Basic Hip Blocks	
3. CHARACTERISTICS, DERIVATIVES, DRAFTING, LAYOUT AND ESTIMATION OF THE FOLLOWING GARMENTS: -	25
3.1 Top	
3.1.1 Simple Top	
3.1.2 Shirt Top	
3.2 Skirts	
3.2.1 Pleated Skirt	

- 3.2.2 Semi Circular and Circular Skirt
- 3.2.3 A-Line Skirt
- 3.3 Night wear
 - 3.3.1 One piece Nightie
 - 3.3.2 Two pieces Nightie

4. FITTING

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- 4.1 Meaning and Definition of Fit and Fitting
- 4.2 Factors affecting fitting in garment
- 4.3 Principles of fit in clothing
- 4.4 Prepare to fit- equipment required
- 4.5 Fitting Methods
 - 4.5.1 Pattern Tissue Adjustment
 - 4.5.2 Alteration
- 4.6 Evaluation and Comparing of measurements
- 4.7 Minor and Major Fitting problems and their remedies

REFERECE BOOKS:

- | | |
|--|--|
| 1. Cutting & Tailoring Part – 1- 2 | Ishwari&Anwani |
| 2. Pattern Making for Fashion Design | Helen Joseph Armstrong |
| 3. Zarapkar System of Cutting | Zarapkar |
| 4. Basic Pattern Skills for Fashion Design | Bernard Zamkoff |
| 5. Readers Digest- Complete Guide of Sewing. | The Readers Digest Association ltd. London |

FASHION ILLUSTRATION & PRESENTATION TECHNIQUES I LAB

COURSE CODE	FS- 3005
COURSE TITLE	FASHION ILLUSTRATION & PRESENTATION TECHNIQUES -I LAB
NUMBER OF CREDITS AND HOURS PER WEEKS	2.0 (L-0,T-0, P-4)
PREREQUISITES	NIL

SUBJECT LEARNING OBJECTIVES:

This subject is designed to develop the skill of fashion drawing in order to visualize and analyze, observe and communicate ideas and concepts. A fashion sketch consists of the figurative fashion drawing of a slightly exaggerated, idealized and stylized human figure, along with the clothes and accessories adorning it.

SUBJECT LEARNING OUTCOMES [SLOS]:

After completing this subject, the learner will be able to:

1. Draw the fashion figure and communicate apparel design details using a variety of media.
2. Introduction to various medium for stylization of croquis.
3. Refining the student's illustration skills.
4. Learn and be familiar with illustration using computer programs.

1. FASHION DRAWING: ANALYZING PROPORTION & POSE (Manual drawing Female) 8

1.1 Figure Drawing in 8 head, 9 ½ head and 10 ½ head

1.1.1 Stick Figure

1.1.2 Block Figure

1.1.3 Flesh Figure

1.2 Three-Dimensional Figure in Perspective

1.2.1 Front View

1.2.2 Profile or side View

1.2.3 Three quarter View

1.2.4 Back View

EXPLORE AND ILLUSTRATE THE “TYPES OF FOLDS” FORMED WHILE DRAPING VARIOUS TYPES OF FABRIC 24

2.1 Types of Folds

2.1.1 Spiral Folds

2.2 Trap and Closure or Half Lock Folds

2.1.2 Radial Folds

2.1.3 Direct Thrust Folds

2.1.4 Flying and Organ Pipe Folds

2.1.5 Compressed and Fine Folds

2.1.6 Fragmented, Angular and Crossing Folds

2.1.7 Draped or Diaper Folds

2.2 Prepare a sheet of two Swatches of Fabric Prints fulfilling the mentioned criteria:

2.2.1 Identify and paint the number of colours in a fabric print

2.2.2 Enlarge the fabric print in 4”x4” size swatch and reducing the fabric print in 1”x1” size swatch

2.2.3 Illustrate the Fabric print swatches size 2”x2” in various medium to identify the effect of Black pencil, Ink pen, wax crayons, colour pencil crayons, poster colours and water colours

- 2.3 Prepare a Collage of Illustrated garment on a croquis
 - 2.3.1 Abstract Collage
 - 2.3.2 Three-dimensional collage
- 2.4 Illustrate the mentioned garments on a fashion figure in different perspective
 - 2.4.1 Casual or Informal wear- Leisure wear, Night wear and Bathe wear etc.
 - 2.4.2 Semi Formal and Formal wear- Day and Evening wear

3. INTRODUCTION TO COREL DRAW

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- 3.1 Introduction to Corel DRAW program, Menu Bar and Tool Box
- 3.2 Overview of Drawing Tools.
- 3.3 Editing Objects
- 3.4 Transformation of Objects.
- 3.5 Color Fill
 - 3.5.1 Fill Color
 - 3.5.2 Fountain Fill
 - 3.5.3 Pattern Fill

4. DESIGNING, PRINTS AND TEXTURE DEVELOPMENT

8

- 4.1 Design a logo and create a Visiting Card and Brochure of your own label
- 4.2 Create prints and textures and their repeat and color ways.

REFERENCE BOOKS:

- | | |
|--|---------------|
| 1. Fashion Design Illustrations | Ritu |
| 2. Foundation in fashion design and illustration | Julian Seaman |
| 3. Fashion Illustration Techniques | ZeshuTakamura |
| 4. Corel DRAW | Ramesh Bangia |
| 5. Computer Aided Drafting and Design- Concept and Application | Veisinet DD |

SURFACE EMBELLISHMENT I LAB

COURSE CODE	FS 3006
COURSE TITLE	SURFACE EMBELLISHMENT I LAB
NUMBER OF CREDITS AND HOURS PER WEEK	2.5 (L-0, T-0, P-5)
PREREQUISITES	NIL

SUBJECT LEARNING OBJECTIVES

This subject provides an insight about how-to enhance the look of the fabric/garment by decorating it, using Traditional & Fancy embroidery & design innovative garments with supplements inspired from ornaments and colours of traditional embroidered handicrafts. The purpose of this subject to give students an opportunity to explore a variety of surface decoration techniques from creating the design up to finishing the embellishments.

SUBJECT LEARNING OUTCOMES [SLOS]:

After completing this subject, the learner will be able to achieve -

1. Acquire knowledge about significance of ornamentation of fabrics.
2. Be familiar with tools and techniques of use of different methods of traditional embroidery.
3. Explain the scope of value addition of fabric for fashion and apparel products.
4. To develop a skill to create contemporary styles of embroideries for fashion garments.
5. To understand the fabric manipulation techniques.

CONTENTS

1. **PREPARE A SAMPLE OF THE FOLLOWING EMBROIDERIES OF THE WORLD** 30
 Brief knowledge of the Embroidery such as Introduction, origin, material used, transferring method, techniques and uses
 - 1.1 White Work
 - 1.1.1 Cut work
 - 1.1.2 Drawn thread work
 - 1.1.3 Drawn or Pulled work
 - 1.1.4 Shadow work
 - 1.1.5 Swiss Embroidery
 - 1.2 Ribbon Work
2. **PREPARE A SAMPLE OF THE FOLLOWING TRADITIONAL EMBROIDERIES OF INDIA** 30
 Brief knowledge of the Embroidery such as Introduction, origin, material used, transferring method, techniques and uses
 - 2.1 NORTH ZONE
 - 2.1.1 Kashidakari of Jammu and Kashmir
 - 2.1.2 ChambaRumal of Himachal Pradesh
 - 2.1.3 Phulkari of Punjab
 - 2.1.3.1 Bagh Phulkari
 - 2.1.3.2 Chope Phulkari
 - 2.1.3.3 Sanchi Phulkari
 - 2.1.3.4 Shishedar Phulkari
 - 2.1.4 Chikankari of Lucknow

2.1.4.1 Surface Chikankari

2.1.4.2 Shadow with Jalli work Chikankari

2.1.4.3 Applique Chikankari

3. PREPARE A SAMPLE FILE OF EMBROIDERIES MENTIONED ABOVE WITH A SPECI AINDICATION OF: 5

- 3.1 Material required for each Embroidery
- 3.2 Stitches used in each Embroidery
- 3.3 Collection of relevant motifs and Patterns of each Embroidery

REFERENCE BOOKS:

- | | | |
|----|--|------------------------------|
| 1. | Beginner's Guide to Crewel Embroidery | Jane Rainbow |
| 2. | The Encyclopaedia of Embroidery Techniques | Pauline Brown |
| 3. | Encyclopaedia of Needlework | Therese de Dillmont |
| 4. | Beginner's Guide to Silk Ribbon | Ann Cox |
| 5. | Paisleys | R.M. Lehri |
| 6. | Phulkari from Punjab | Anu H. Gupta & Shalina Mehta |

SEMESTER SCHEME 2020-21

FUNDAMENTALS OF DRAPING I LAB

SUBJECT CODE	FS-3007
SUBJECT TITLE	FUNDAMENTALS OF DRAPING I
NUMBER OF CREDITS AND HOURS PER WEEK	1.5 (L-0 T-0 P-3)
PRERESQUISITES	NIL

SUBJECT LEARNING OBJECTIVES

The goal of the subject is to provide draping for the fashion design a comprehensive, timeless volume that describes efficiently the various techniques essential to deal with recurring fashion. Though fashion is constantly changing therefore generic approach is extracted reducing fashion components to their basic principles.

SUBJECT LEARNING OUTCOMES (SLOs)

Beginners will be able to learn and acquire:

1. Time tested methods to fit the needs of today's designers.
2. Brush up their skills in draping, to let it be a spring board the creativity and to provide unlimited potential and success in their work.

CONTENTS

- | | |
|---|--------------------|
| <ol style="list-style-type: none"> 1. INTRODUCTION TO DRAPING- 1.1 HISTORY OF DRAPING 1.2 INTRODUCTION <ol style="list-style-type: none"> 1.2.1 Definition 1.2.2 Equipment and material required 1.2.3 Importance of Fabric grain 1.2.4 Preparation of muslin for draping 1.2.5 Seam allowances 1.2.6 Preparing the dress form for Draping 2. PREPARE THE BASIC PATTERNS- 2.1 Basic Bodice- Front <ol style="list-style-type: none"> 2.1.1 Preparing the muslin 2.1.2 Draping steps 2.1.3 Marking 2.1.4 Trueing 2.2 Basic Bodice- Back <ol style="list-style-type: none"> 2.2.1 Preparing the muslin 2.2.2 Draping steps 2.2.3 Marking 2.2.4 Trueing 2.3 Basic Sleeve <ol style="list-style-type: none"> 2.3.1 Preparing the muslin 2.3.2 Draping steps 2.3.3 Marking 2.3.4 Trueing 2.4 Basic Skirt <ol style="list-style-type: none"> 2.4.1 Preparing the muslin 2.4.2 Draping steps 2.4.3 Marking | <p>6</p> <p>20</p> |
|---|--------------------|

- 2.4.4 Trueing
3. **THE BODICE PATTERNS** - - 13
- 3.1 Pleats and tucks
- 3.2 Tucks and gathers
- 3.3 Dart manipulation
- 3.3.1 Waistline dart
- 3.3.2 Dart at waistline and Centre front
- 3.3.3 French dart
- 3.3.4 Double French dart
- 3.3.5 Neckline dart
- 3.3.6 Front dart
- 3.3.7 Armhole dart
- 3.4 Neckline variation
- 3.4.1 Halter
- 3.4.2 Surplice front

REFERENCE BOOK

1. Draping for Fashion Design by Hilde Jaffe and NurieRelis
2. The Art of Fashion Draping by Connie Amaden- Crawford
3. Draping Techniques for Beginners by Francesca Sterlacci

PATTERN DEVELOPMENT & APPAREL CONSTRUCTION- I LAB

COURSE CODE	FS 3008
COURSE TITLE	PATTERN DEVELOPMENT & APPARELCONSTRUCTION- I LAB
NUMBER OF CREDITS AND HOURS PER WEEK	3.5(L-0, T-0, P-7)
PREREQUISITES	NIL

SUBJECT LEARNING OBJECTIVES

The essentials of pattern making and its development is vital and crucial stage in garment construction obtained through skilled practice, the detail and technique behind each pattern ensure that garments are made to specification with a minimum margin of error. Draft needed to turned into technical drawings before pattern is created.

SUBJECT LEARNING OUTCOMES [SLOs]:

This will ensure them to discover clear impression about the subject and able to achieve by-

1. Learning the development of a garment comprises of different processes.
2. Learn to modify and adapt the foundation pattern, used as the basis for the design.
3. Understanding the stages in development will help to visualize the fit and decide on the size ranges of clothing.
4. Contributing fashion accessories as a embellishing item that supplements one's outfit.

1. PREPARE A PAPER PATTERNS OF THE MENTIONED GARMENT IN FULL SCALE WITH TWO ADAPTATION OF EACH	30
1.1 Top	
1.1.1 Simple Top	
1.1.2 Shirt Top	
1.2 Skirts	
1.2.1 Pleated Skirt	
1.2.2 Circular Skirt	
1.2.3 A-Line Skirt	
1.3 Night wear	
1.3.1 One piece Nightie	
1.3.2 Two pieces Nightie	
2. LAYOUT, CUT, STITCH AND FINISH GARMENT MENTIONED BELOW	50
2.1 Top	
2.2 Skirts	
2.3 Night wear	
3. FASHIONACCESSORIES	11
3.1 Prepare the following accessories in different materials	
3.1.1 Scarf	
3.1.2 Waist Belt	

REFERECE BOOKS:

- | | |
|---|---|
| 1. Cutting & Tailoring Part – 1- 2 | Ishwari&Anwani |
| 2. Pattern Making for Fashion Design
Armstrong | Helen Joseph |
| 3. Zarapkar System of CuttingZarapkar | |
| 4. Basic Pattern Skills for Fashion Design | Bernard Zamkoff |
| 5. Readers Digest- Complete Guide of Sewing. | The Readers Digest Association
ltd. London |

ENVIRONMENTAL STUDIES-I LAB

Course Code	FS-3009 (Common in All Branches of Non Engineering)
Course Title	Environmental Studies-I Lab
Number of Credits	1.0 (L-0, T-0, P-2)
Prerequisites	None

Course Objective

Environmental study is a subject as per directions of Supreme Court / Govt. of India. Under Act. 51 A (g) of our constitution it is our fundamental duty to protect our environment.

A diploma holder must have knowledge of different types of pollution so that she may help in balancing the eco system and controlling pollution by pollution control measures. She should also be aware of environmental laws related to the control of pollution.

Course Outcomes

After completing the course the Learner will

- 1.1 Understand the extent of Air pollution in their city.
- 1.2 Understand the extent of Water pollution in their city.
- 1.3 Know about the Ph value of water , hardness and TDS of water, their importance method of determination .
- 1.4 Have knowledge of solid waste management of their city

PRACTICALS

1. Visit to the important circles and measurement of Air Quality Index
2. Determination of Ph Value of tap Water
3. Determination of Hardness of tap Water by EDTA Method
4. Determination of TDS of tap Water
5. Visiting the local agency to Prepre the report of solid waste management of the city .
6. Plantation
