

(REVISED)

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION, RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME FOR

Diploma I Year FASHION DESIGNING (FD)
ANNUAL SCHEME SESSION 2017-2018 & ONWARDS

Code No.	Subject	Distribution of Time				Distribution of Max. Marks/ Duration						Total Marks	
		Hours per week				Board's Exam.			Sessionals				
		L	T	P	Total	TH	Hrs.	PR	Hrs.	CT	TU		PR(S)
FD 101	TEXTILE SCIENCE-I	2	-	2	4	70	3	50	3	30	-	50	200
FD 102	HISTORY OF FASHION	2	-	-	2	70	3	-	-	30	-	-	100
FD 103	BASIC PATTERN MAKING	2	-	4	6	70	3	50	3	30	-	50	200
FD 104	BASIC DESIGN & FASHION ORIENTATION	2	-	2	4	70	3	-	-	30	-	50	150
*FD105	ENGLISH AND BUSINESS COMMUNICATION-I	2	-	2	4	70	3	50	3	30	-	50	200
*FD106	ENVIRONMENTAL STUDIES	2	-	-	2	70	3	-	-	30	-	-	100
FD107	FASHION ILLUSTRATION-I	-	-	4	4	-	-	50	3	-	-	50	100
FD 108	GARMENT CONSTRUCTION-I	-	-	4	4	-	-	50	3	-	-	50	100
FD109	SURFACE ORNAMENTATION-I	-	-	2	2	-	-	50	3	-	-	50	100
*FD 110	BASICS OF COMPUTER	-	-	2	2	-	-	50	3	-	-	50	100
	*STUDENT CENTRED ACTIVITIES	--	--	2	2	--	--	--	--	--	--	--	--
TOTAL		12	-	24	36	420		350		180		400	1350
GRAND TOTAL													1350

*STUDENT CENTRED ACTIVITIES include expert lectures/ practice sessions on technical topics of common interest, personality development, human values, yoga, industrial visits, art of living, environmental issues, quiz programmes, interview techniques, greening and cleaning the campus etc.

Student Centred Activities will be graded on the basis of attendance, interest and learning of the student.

- | | | | |
|-------|--|----------|--|
| 1. L | : Lecture | 5. PR | : Marks for Board's Examination for Prac |
| 2. T | : Tutorial | 6. CT | : Marks for Class Tests |
| 3. P | : Practical | 7. TU | : Marks for Tutorials |
| 4. TH | : Marks for Board Examination for Theory | 8. PR(S) | : Marks for Practical and Viva |

* FD 105, * FD 106 and* FD 110 Same as HM 105, HM106 and HM 110

TEXTILE SCIENCE-I

CODE:FD- 101

L	T	P
2	-	2

RATIONALE

The knowledge and skills related to textile science is essential to provide a comprehensive insight into the basic knowledge about fibres, yarns and relevant properties affecting the ultimate performance and use of fabrics by the consumer, hence the subject is included in the curriculum

CONTENTS

1. Introduction to Textile Fibre, Yarn and Fabric

- 1.1 Classification of important textile fibres based on their origin and constituents
- 1.2 Important Physical and chemical properties of following fibres
 - 1.2.1 Cotton
 - 1.2.2 Jute
 - 1.2.3 Linen
 - 1.2.4 Wool
 - 1.2.5 Silk
 - 1.2.6 Polyester
 - 1.2.7 Nylon
 - 1.2.8 Acrylic
 - 1.2.9 Spandex
 - 1.2.10 Viscous
 - 1.2.11 Rayon
- 1.3 Need and importance of identification of fibres

2. Yarn Processing

- 2.1 Types of yarn and their properties relevant to fabric behaviour
 - 2.1.1 Simple Yarn
 - 2.1.1.1 Single
 - 2.1.1.2 Ply
 - 2.1.1.3 Cord
 - 2.1.2 Novelty Yarn
 - 2.2.2.1 Slub
 - 2.2.2.2 Boucle
 - 2.2.2.3 Chenille
 - 2.2.2.4 Nubs
 - 2.2.2.5 Corkscrew
 - 2.2.2.6 Grindelle
 - 2.1.3 Textured Yarn
 - 2.1.4. Stretch Yarn, Bulk Yarn, Core spun Yarns
 - 2.1.5 Blended Yarn
 - 2.1.6 Yarn twist, Count/size

2.2 Theory of direct and indirect method of Yarn numbering systems

Assignment for students

1. Prepare a catalogue of fabric samples under following heads:
2. Fibre Composition – Names by which they are available (Trade Names)
3. Yarn Structure – Texture variation

Note: The teacher may develop master samples to demonstrate various processes. The students may be asked to prepare swatch files. The students should be taken for a visit to spinning mills to show the various processes or relevant video films may be screened

PRACTICAL

- 1.. Physical analysis of fabric composed of different fibres like cotton, Jute, linen, wool, silk, polyester, nylon, acrylic, spandex, viscose and rayon
2. Visual examination of fibres and yarns
3. Identification of fibres in a fabric sample through
 - 3.1 Burning test
 - 3.2 Microscopic test
 - 3.3 Chemical test (solubility test)
4. Visit to spinning mill or show relevant video films to understand the various systems of yarn spinning-Staple, filament and spun filament yarns
5. To analyze and understand fabric texture (appearance and hand) on the basis of yarn used
 - 5.1 Fabrics using simple yarn
 - 5.2 Fabrics using nylon yarn
 - 5.3 Fabrics using filaments-textured, on textured and spun filament
6. To determine amount of twist by twist tester
7. To determine yarn count by simple weighing method
8. Prepare a catalogue of fabric samples made by using different methods of construction
9. Visit to mill units producing woven or non woven to understand type of looms and processes or relevant video film may be shown.
10. To determine the fabric (Yarn) count
11. To identify the woven fabrics for
 1. Warp and weft
 2. Face and back
 3. Prepare a point-paper diagram of basic weaves and their variations.
 4. Prepare a list of fabrics available under each category of weaves
12. Identify types of selvedge, market survey of fabrics composed of different fibres and categorised for
 1. Variation of textures (smooth to rough)
 2. Variation of weight (Light weight to heavy weight)
 3. End uses
 4. Trade names

Assignments for the Students

Prepare a catalogue of fabric samples under following heads:

Fibre Composition – Names by which they are available (Trade Names)

Yarn Structure – Texture variation

Note: The teacher may develop master samples to demonstrate various processes. The students may be asked to prepare swatch files. The students should be taken for a visit to spinning mills to show the various processes or relevant video films may be screened.

REFERENCES

1. Understanding Textiles by Phyllis Tortora
2. Modern Textiles by Rothy Siegert Lyle
3. Encyclopaedia of Textiles, Fibres and Non-woven Fabrics
4. Textiles Fiber to Fabric – P Corbman
5. Fabric Science by Joseph Pizzuto
6. Essentials of Textiles by Marjery Josphe; Holt, Rinehart and Winston, Inc
7. Textile Fibres and their Uses by KP Hes
8. Textiles by Hollen and Sodler
9. Textile by Grace Lovat Fraser
10. Introductory Textile Science by Marjury Joseph
11. Principles of Textile Testing by Booth
12. Clothing, Textiles and Their Care by Dr. Rajwinder K. Randhawa
13. Clothing, Textiles and Laundry by Sushma Gupta, Neeru Garg and Renu Saini
14. Text Book of Home Science by Dr. Neelam Grewal

HISTORY OF FASHION

CODE:FD- 102

L T P

2 - -

RATIONALE

The students of fashion design should be able to appreciate our ancient civilization, the fashion existing in the different periods, their contribution in shaping the present and promoting the future trends in the field of fashion

CONTENTS

1. ORIGIN OF CLOTHING

1.1 Theories – Protection, modesty, Adornment

2. A BRIEF STUDY OF THE ANCIENT INDIAN CIVILIZATIONS

2.1 Indus Valley Civilization

2.1.1 Women's Costumes

2.1.1.1 Dresses

2.1.1.2 Jewellery

2.1.1.3 Hairstyles

2.1.1.4 Footwear

2.1.2 Men's Costumes

2.1.2.1 Dresses

2.1.2.2 Jewellery

2.1.2.3 Hairstyles

2.1.2.4 Footwear

2.2 Mauryan and Sunga Period

2.2.1 Women's Costumes

2.2.1.1 Dresses

2.2.1.2 Jewellery

2.2.1.3 Hairstyles

2.2.1.4 Footwear

2.2.2 Men's Costumes

2.2.2.1 Dresses

2.2.2.2 Jewellery

2.2.2.3 Hairstyles

2.2.2.4 Footwear

2.3 Kushan Period

2.3.1 Women's Costumes

2.3.1.1 Dresses

2.3.1.2 Jewellery

2.3.1.3 Hairstyles

2.3.1.4 Footwear

2.3.2 Men's Costumes

2.3.2.1 Dresses

- 2.3.2.2 Jewellery
- 2.3.2.3 Hairstyles
- 2.3.2.4 Footwear

2.4 Gandhara Period

- 2.4.1 Women's Costumes
 - 2.4.1.1 Dresses
 - 2.4.1.2 Jewellery
 - 2.4.1.3 Hairstyles
 - 2.4.1.4 Footwear
- 2.4.2 Men's Costumes
 - 2.4.2.1 Dresses
 - 2.4.2.2 Jewellery
 - 2.4.2.3 Hairstyles
 - 2.4.2.4 Footwear

2.5 Gupta Period

- 2.5.1 Women's Costumes
 - 2.5.1.1 Dresses
 - 2.5.1.2 Jewellery
 - 2.5.1.3 Hairstyles
 - 2.5.1.4 Footwear
- 2.5.2 Men's Costumes
 - 2.5.2.1 Dresses
 - 2.5.2.2 Jewellery
 - 2.5.2.3 Hairstyles
 - 2.5.2.4 Footwear

2.6 Medieval period-Mughal Period

- 2.6.1 Women's Costumes
 - 2.6.1.1 Dresses
 - 2.6.1.2 Jewellery
 - 2.6.1.3 Hairstyles
 - 2.6.1.4 Footwear
- 2.6.2 Men's Costumes
 - 2.6.2.1 Dresses
 - 2.6.2.2 Jewellery
 - 2.6.2.3 Hairstyles
 - 2.6.2.4 Footwear

2.7 British & Independent India Period

- 2.7.1 Women's Costumes
 - 2.7.1.1 Dresses
 - 2.7.1.2 Jewellery
 - 2.7.1.3 Hairstyles
 - 2.7.1.4 Footwear

- 2.7.2 Men's Costumes
 - 2.7.2.1 Dresses
 - 2.7.2.2 Jewellery
 - 2.7.2.3 Hairstyles
 - 2.7.2.4 Footwear

REFERENCES

1. Costumes of India and Pakistan by S. N. Dhar.
2. Costumes of India by Dhar.
3. Ancient Indian Costumes by Roshan Alkazi
4. Man's Costumes – Dresses, jewellery, hairstyles, footwear
5. Fashion Memoir by Yves Saint Laurent, Pieme Berge
6. A History of Costume in the West by Boucher
7. Costume 1066 – 1990's by Peacock
8. Fashion Drawing how to do it by Hazal R. Boteu and Constance
9. Boulard Publishers – Haper and Row, New York.
10. Costume and Fashion – a complete history by Browioyn cosqrsue.
Octopus publishing group Ltd.

BASIC PATTERN MAKING

CODE:FD- 103

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RATIONALE

The students should know various considerations of design in making of garments, scope and importance of drafting and pattern making so that they are able to take measurements, interpret the style of any given design and make the pattern. The subject therefore deals with basics of pattern making and styling of garments.

CONTENTS

1.	Pattern Making Tools: 1.1 Pins and holders 1.2 Scissors 1.3 Measuring tapes 1.4 French curves 1.5 Scales 1.6 Tracing Wheel 1.7 Pattern papers 1.8 Markers	14
2.	Pattern Making Terms: 2.1 Pattern drafting 2.2 Flat pattern making 2.3 Basic pattern set 2.4 Templates 2.5 Working patterns 2.6 Production pattern 2.7 Design specification sheet 2.8 Pattern Chart 2.9 Cost sheet 2.10 Grain 2.11 Wrap 2.12 Weft 2.13 Selvage 2.14 Bias 2.15 True bias 2.16 Apex 2.17 Dart 2.18 Dart legs 2.19 Dart intake 2.20 Turning and blending 2.21 Plumb Line	16

- 2.22 Horizontal, vertical and perpendicular lines
- 2.23 Symmetrical and asymmetrical lines
- 2.24 Pattern Size
- 2.25 Pivotal point
- 2.26 Pattern manipulation

3. Introduction of Standard Measurement: 12

- 3.1 Standard measurement Chart
- 3.2 Methods of taking measurement
 - 3.2.1 Direct measurement
 - 3.2.2 Indirect measurement
 - 3.2.3 Landmark measurement
- 3.3 Classification of measurement
 - 3.3.1 Circumference measurement
 - 3.3.2 Horizontal measurement
 - 3.3.3 Vertical measurement

4. Methods of Developing Pattern: 6

- 4.1 Flat pattern
- 4.2 Draping
- 4.3 Pattern development of basic bodice (front and back)
- 4.4 Pattern development of basic skirt.

5. Introduction of Style Interpretation: 4

- 5.1 Explanation of style interpretation
- 5.2 Method of style interpretation
- 5.3 Benefits of style interpretation

6. Principles of Pattern Making: 4

- 6.1 Manipulation
- 6.2 Addition
- 6.3 Contouring

7. Pattern Details: 4

- 7.1 Terminology and classification of following
 - 7.1.1 Collar and its variation
 - 7.1.2 Sleeve and its variation
 - 7.1.3 Yokes
 - 7.1.3.1 Functional
 - 7.1.3.2 Decorative
 - 7.1.4 Empire and princess line
 - 7.1.5 Pockets

PRACTICALS

1. **Measurements:**
 - 1.1 Taking measurements directly from the body
 - 1.2 Locating land marks and taking anthropometric measurements
 - 1.3 Taking measurements from the garments
2. **Practice on use of:**
 - 2.1 Squares and scales
 - 2.2 French Curve-for arm hole, neckline etc.
 - 2.3 Practice on use of other equipments
3. **Analysis of apparel designs from magazines and developing patterns for any one design:**
4. **Drafting of following:**
 - 4.1 Childs Panty
 - 4.2 Bloomer
 - 4.3 Childs bodice block and sleeve block
 - 4.4 Childs skirt block
 - 4.5 A line frock
 - 4.6 Romper

Note: The students may be taken to the nearby garment manufacturing organizations to demonstrate various pattern making and style interpretation processes

REFERENCES

1. Pattern Making for Fashion design by Helen Joseph Armstrong
2. Pattern Cutting and Making up by Martin Shoben
3. The ABC's of Grading by Murray Sachi
4. Basic Pattern Skills for Fashion Design by Bernard Zamko
5. Design Apparel Through the Flat Pattern by Ernestine Ko
6. Pattern Cutting and Making up by Martin Shoben

BASIC DESIGN & FASHION ORIENTATION

CODE:FD- 104

L	T	P
2	-	2

RATIONALE

The knowledge and skill related to basic design is essential for the students of diploma programme of garment technology in order to develop the understanding regarding how to make a design using lines, dot, shape and colour combination.

CONTENTS

- 1. Elements of design**
 - 1.1 Lines
 - 1.1.1 Horizontal lines
 - 1.1.2 Vertical lines
 - 1.1.3 Zig-zag lines
 - 1.1.4 Diagonal lines
 - 1.1.5 Curve lines
 - 1.2 Colour Psychology
 - 1.2.1 Colour wheel
 - 1.2.2 Primary
 - 1.2.3 Secondary
 - 1.2.4 Tertiary
 - 1.2.5 Hue and value
 - 1.2.6 Intensity
 - 1.2.7 Tints
 - 1.2.8 Shades
 - 1.2.9 Tones
 - 1.2.10 Analogous
 - 1.2.11 Achromatic
 - 1.2.12 Mono-chromatic
 - 1.2.13 Complimentary
 - 1.2.14 Split complimentary
 - 1.3 Textures
 - 1.3.1 Factors contributing to texture,
 - 1.3.2 Fibre
 - 1.3.3 Yarn
 - 1.3.4 Weave
 - 1.3.5 Finishes
 - 1.4 Silhouette/shape
 - 1.4.1 Basic types of shapes

2 Principles of Design

- 2.1 Rhythm
- 2.2 Harmony
- 2.3 Proportion
- 2.4 Balance
- 2.5 Emphasis

3. Collage and its Types

- 3.1 Relief
- 3.2 Flat

4. Optical Illusion**5. Replica and Enlargement****6. Fashion orientation**

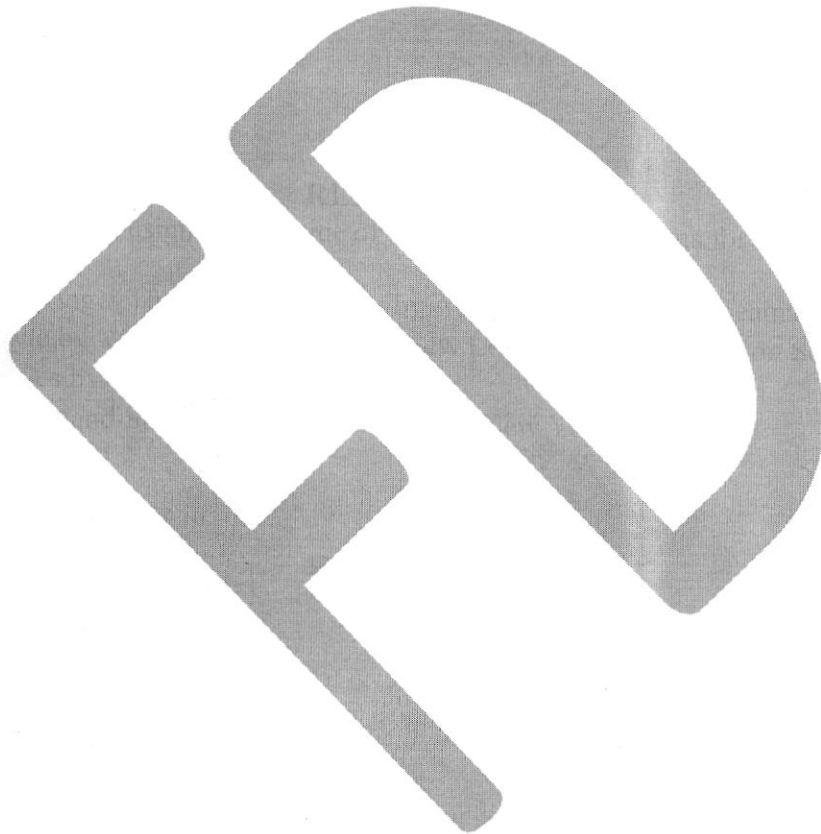
- 6.1 Process of Inspiration: - Printed Media
- 6.2 Fashion Cycles & its Effects
- 6.3. Theory of Fashion
- 6.4 Role of Designer in a unit and custom design
- 6.5 Flat patterns, spec sheets, cost sheets
- 6.6 Parts of Portfolio

Presentation on one National and International Designer**PRACTICALS**

1. Examples of design from daily life objects and nature (landscape, trees, leaves, flower, flower pots, draperies etc.) **4 Sheets**
2. Illustrate the basic concepts of drawing and design with the help of pictures, paintings, designs etc. which help the students to create suitable and perfect designs according to requirement **4 Sheets**
3. Illustrate different type of lines (dotted, broken vertical, horizontal, diagonal, zigzag, curved, thick and thin composition **4 Sheets**
4. Corrospounding colour exercise on colours to be carried out such as colour wheel, tints, shades, tones, colour schemes. **4 Sheets**
5. Rendering different textures **4 Sheets**
6. Field visit to market/industry to understand colour in fabrics/nature
7. Practical exercises for texture and silhouette in fabric and other objects/nature and human body. Corresponding exercises with rhythm, harmony, proportion, balance and emphasis explaining principles of a design **5 Sheets**
8. Making collage with waste material Making collage with flat materials Making collage with fabrics. **1 Sheet**
9. Exercises through print silhonitle and textures etc. **2 Sheets**
10. Exercises with the help of swatches of various prints. **2 Sheets**

REFERENCES

1. Fashion Drawing Designs; Magazine of Thailand Pattern Designs for Haute Couture, Volume 1
2. Fashion Drawing – The Basic Principles by Anne Allen and Julion seaman Latest
3. Fashion Style by Winter Hiver Jasmine's New Look, On Indian Fashion Scene Lifestyles: Fashion Styles by Katheryn
4. Samuel Spring and Summer Collection; Tokyo, New York



ENGLISH AND BUSINESS COMMUNICATION -I

CODE:HM/FD- 105

L	T	P
2	-	2

RATIONALE

This course will provide students some uniform essential skills such as general management skills, communication skills, presentation skills, group discussion skills and interpersonal skills. This course will also make them confident and capable of using the knowledge gained while at work.

CONTENTS

1.	INTRODUCTION TO ENGLISH GRAMMER AND COMPOSITION	20
	1.1 Tenses 1.2 Subject, Predicate 1.3 Active and Passive Voice 1.4 Homophones / Common Errors 1.5 Comprehension 1.6 Précis 1.7 Memos and Circulars 1.8 Common Mis-Spelt Words 1.9 Punctuation 1.10 Paraphrasing 1.11 Letter Writing – Formal, Informal	
2	CONCEPT OF COMMUNICATION	12
	2.1. Definition And Meaning 2.2. Purpose Of Communication 2.3. Elements Of Communication 2.4. Source, Message, Channel, Receiver, Effects and Feed Back. 2.5. Barriers Of Communication	
3	BUSINESS COMMUNICATION	18
	3.1. Memos And Circulars 3.2. Letter Writing – Formal, Informal	
4	APPROACH TO COMMUNICATION	10
	4.1. Direct Indirect 4.2. Verbal Non Verbal 4.3. Clarity 4.4. Techniques 4.5. Sensitivity And Observation 4.6. Empathy / Courtesy	

5 LISTENING**10**

- 5.1. Types Of Listening
- 5.2. How To Listen
- 5.3. Poor Listening Habits
- 5.4. Skill Building To Improve Listening Habits
- 5.5. Tips For Effective Listening

6 PERSONAL GROOMING**20**

- 6.1. Posture
- 6.2. Etiquettes And Mannerism
- 6.3. Body Language
- 6.4. Gestures
- 6.5. Personal Hygiene

PRACTICALS

- 1. Punctuation, common errors, comprehensions
- 2. Assignments – role play
- 3. Write internal memos / circulars
- 4. Format, letters
- 5. Techniques, clarity, sensitivity, observation
- 6. G.D
- 7. Mannerism & etiquettes, Body Language Gesture

---- 4 Hrs
 ---- 6 Hrs
 ---- 4 Hrs
 ---- 6 Hrs
 ---- 10 Hrs
 ---- 15 Hrs
 ---- 15 Hrs

REFERENCES

English Grammar --- Wren & Martin

ENVIRONMENTAL STUDIES**CODE : HM/FD - 106**

L	T	P
2	-	-

RATIONALE

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 he/she may help in balancing the eco system and controlling pollution by suitable pollution control measures. He/She should also be aware of environmental laws related to the control of pollution.

CONTENTS

1. GENERAL:	5
1.1 Biotic and Abiotic environment.	
1.2 Adverse effects of Environmental Pollution	
1.3 Control strategies	
1.4 Various Acts and Regulations related to hotel industry	
2. WATER POLLUTION:	10
2.1 Water Quality Standards	
2.2 Surface and underground water sources	
2.3 Impurities in water	
2.4 Introduction of treatment plant	
2.5 De-fluoridation	
3. AIR POLLUTION:	10
3.1 Sources of air contaminants	
3.2 Adverse effects on human health	
3.3 Air quality standards and their permissible limits	
3.4 Measures to check air pollution	
3.5 Greenhouse effect	
3.6 Global warming	
3.7 Acid rain	
3.8 Ozone depletion	
4. SOLID WASTE MANAGEMENT	5
4.1 Introduction to solid waste	
4.2 Collection, segregation and disposal of solid waste of hotels	
4.3 Recovery of resources	
4.4 Sanitary land-filling	
4.5 Vermi-composting	
4.6 Hazardous waste management	

5.	LAND POLLUTION:	5
	5.1 Soil conservation	
	5.2 Land erosion	
	5.3 Afforestation	
6.	ECOLOGY :	5
	6.1 Basics of species	
	6.2 Biodiversity	
	6.3 Population dynamics	
	6.4 Energy flow	
	6.5 Ecosystems	
7.	SOCIAL ISSUES AND ENVIRONMENT:	5
	7.1 Sustainable development and Life style	
	7.2 Urban problems related to energy	
	7.3 Resettlement and rehabilitation of people	
	7.4 Environmental ethics	
	7.5 Consumerism and waste products	
8.	WATER HARVESTING:	10
	8.1 Water harvesting techniques	
	8.2 Septic Tank	
	8.3 Collection and disposal of wastes	
	8.4 Bio-gas	
9.	MISCELLANEOUS:	5
	9.1 Non-Conventional (Renewable) sources of energy	
	9.2 Solar energy, Wind energy, Bio-mass energy, Hydrogen energy	
10.	VISITS TO FIELDS/HOTELS	

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 S.S. Dora and pollution control :
5. Ecology concepts and Manuel C. Muller application :
6. Environmental protection Emil T. Chanlett
7. Environmental science Cumingham. Saigo
8. Solid waste management : C.I.. Mantell
9. Introduction to Environmental Gilbert M Masters Engineering & Science Prentice Hall of India 1995
10. Concept of Ecology, 1991 Edward J Kormondy
11. Ecology 1975 Odum
12. Environmental Engineering Peavy, Rowe, Tehobaniglum

FASHION ILLUSTRATION-I

CODE:FD- 107

L T P
- - 4

RATIONALE

The skill in fashion illustration is essential for the students of garment technology so as to develop in them the creativity and ability to illustrate different types of figures and dresses in different colour media. After going through this subject, the student of fashion designing will be able to illustrate different types of figures and dresses.

PRACTICALS

Note: All sheets will be of A3 imperial sizes

- 1. Maintenance of A Scrap Book/Learning Diary**
- 2. Knowledge of Drawing Equipments and Tools**
 - 2.1 Paper
 - 2.2 Markers and Pencils of different grades (HB,B,2B,4B,6B)
 - 2.3 Drawing Board
 - 2.4 Ruler
 - 2.5 Tape
 - 2.6 Erasers
 - 2.7 Knives
 - 2.8 Different media
 - 2.8.1 Charcoal
 - 2.8.2 Ink
 - 2.8.3 Water Colour
 - 2.8.4 Water proof ink /Dry Pestal/Poster Colour
- 3. Basic Sketching and Drawing Skill**
 - 3.1 Line sketches in pencil and ink
- 4. Drawing of Following**
 - 4.1 Eight head/Ten head figure
 - 4.2 Stick figures
 - 4.3 Block figures
- 5. Front View**
- 6. Side View**
- 7. Behaviour Study of Different Material**
 - 7.1 Glass
 - 7.2 Plastic
 - 7.3 Fibres

REFERENCES

1. Fashion Drawing Designs
 2. Fashion Drawing – The Basic Principles
 3. Fashion Illustration
 4. Drawing from Anatomy
 5. 20,000 Years Of Fashion, The History of Costume and Personal Adornment.
 6. Individuality in Clothing selectiob and persinal appearance
 7. The complete book of fashion Illustration
 8. Human Figures
- Magazine of Thailand
 Anne Allen and Julion Seaman
 Bina Abling
 VictorPerard(GraceParkashan
 Bombay)
 Franchosis Boucher,Harry
 N. Abrama-Inc Publishers
 Mary Kefgan and Phyllis
 Tpuchie-Sphet-Mav
 millan Publishing Co. New York
 Sharon Lee Tale and Mona Shafer
 Happer and Row Publishers,
 New York
 A.K.Dhawan

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GARMENT CONSTRUCTION-I

CODE:FD- 108

L	T	P
-	-	4

RATIONALE

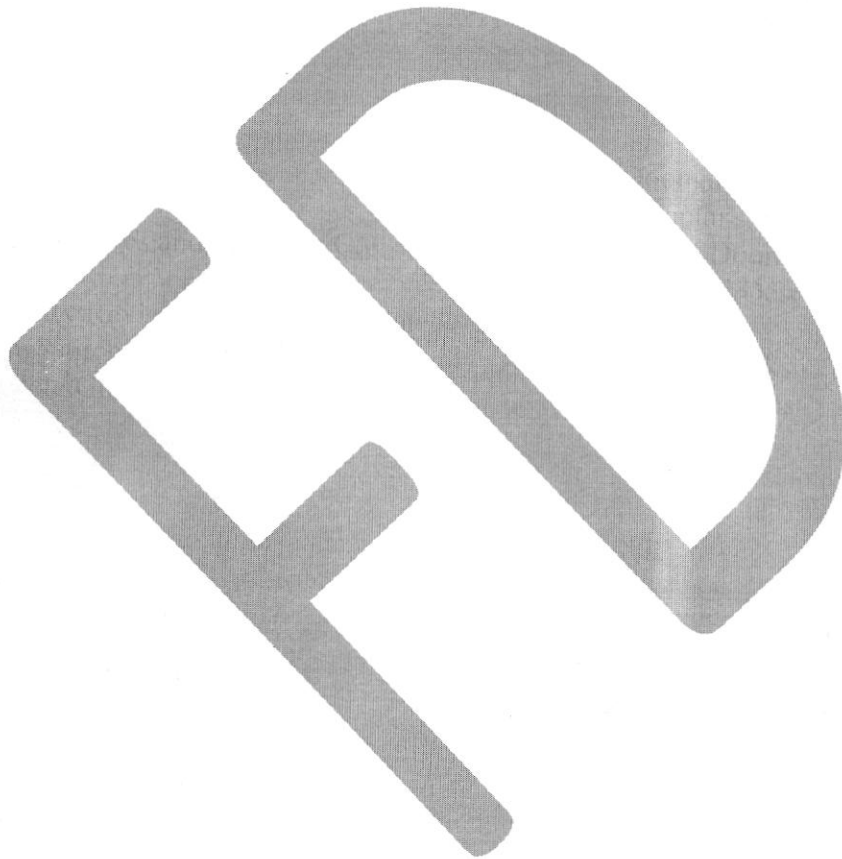
The diploma holders in garment technology are supposed to fabricate various components of garments such as pleats and gather, darts, tucks etc., as per measurements and go for mass production for all ages and size. Hence this subject has been included in the curriculum to develop such competencies in the students. The subject deals with basics of garment construction technology.

PRACTICALS

S.N	Instructions for Practicals	Practical Exercises
1	Tools and equipments used in measuring, cutting, sewing and finishing of garments	Study of various Tools and equipments used in measuring, cutting, sewing and finishing of garments.
2	Parts of sewing machine and its operation, its defects and remedies	Machine control exercises on speed control, paper exercises, fabric exercises
3	Straight line, square, concentric square, curved, circle	Different exercises on Straight line, square, concentric square, curved, circle
4	Classification of seams- Flat, raised, decorative, flat and fell, bound and French	Practice on various samples of machine seams- Plain, run and fell, French, lapped seam, top seam, slot seam and bending
5	Variation of Pleats and gathers	Preparation of Pleats and gathers
6	Darts, tucks samples	Preparation of darts and tucks samples
7	Gathers and Shirrings	Preparation of samples of gathers and shirrings
8	Finishing different necklines- Bias bending, bias facing, shaped facing	Preparation of samples of different necklines using bias bending, bias facing, shaped facing
9	Construction of basic bodice block (front and back)	Preparation of samples of different basic bodice block (front and back)
10	Attachment of sleeve and its variation on basic bodice	Preparation of samples of different attachment of sleeve and its variation on basic bodice

REFERENCES

- | | | |
|----|---|-------------------|
| 1. | Clothing Construction | Doongaji |
| 2. | System of Cutting | Zaraplar |
| 3. | Basic Processes and Clothing Construction | Sherie, Doongaji |
| | | Raushini Despande |
| 4. | Simplicity Revised ABC of Shortcut | |
| 5. | Sewing Stitch | Tarstar books |
| 6. | Complete Guide to Sewing | Readers digest |



SURFACE ORNAMENTATION-I**CODE:FD- 109**

L	T	P
-	-	2

RATIOALE

Embroidery gives creative, decorative and ornamental effect on dress. The student learns a variety of stitches and can decorate the costume using them.

It give knowledge about appropriate tools, equipments and suitable fabrics for embroidery to create designs through various transferring methods.

CONTENTS

1. **Study of Basic Hand Embroidery Stitches:**
 - 1.1 Flat
 - 1.2 Looped
 - 1.3 Crossed
 - 1.4 Knotted
2. **Articles Based on Above Mentioned Stithes :**
 - 2.1 Hankies
 - 2.2 Dressing table mats
 - 2.3 Table covers
3. **File based on hand embroidery stitches.**

REFERENCES

- | | |
|----------------------------------|-------------------------------|
| 1. Embroidery | Ksynia |
| 2. Teachaing Needle Craft | Wan Nostrand Remhold Co. |
| 3. Embroidery | Thomus Hudson Lts. London |
| 4. The Complete Book of Knitting | Crokheth and Embroidery |
| | Marshall Clavendish |
| 5. Needle Workers Dictionery | Pammela Clayburn |
| 6. Decorative Needle Craft | Acro Publishing Inst. N. York |
| 7. Embroidery | William Collins & Sons and |
| | Coitd. London |

BASICS OF COMPUTER

CODE:HM/FD- 110

L T P
- - 2

Computers are now-a-days necessary in human routine life. At each and every stage, we find its importance. An attempt is made to generate different skills like report writing through M.S. word and to generate worksheets, data manipulation, graphs, for decision support system through EXCEL, to prepare presentation through Power Point and to gather information through Internet practice.

RATIONALE

After completing this course, the student will be able to.

- Understand computer applications and its software requirements.
- Know operating system and its use.
- Use operating system commands.
- Identify the main Menu and other Menu options of Window, Word, Excel, Power point .
- Print report, letter.
- Operate computer system.
- Relate different data
- Select the software according to use requirement.
- Print the table/report/drawing
- Transfer the document to other computers using media.
- Identify the menu/toolbar/dialog box/settings.
- Identify different hardware of the computers.
- Modify reports as per requirements.

PRACTICALS

1. Introduction to the computer System, parts, Devices Input/Output and computer software
2. Introduction to the operating system, file identification, extension, directory.
3. Introduction to GUI concepts, control panel. Demonstration and use file manager, programme manager, clipboard, icons, dialog boxes
4. Use of all menu options.
5. Introduction to word processor, data entry, Demonstration and use of save, quit, retrieve.
6. Basic settings such as left & Right margin
7. Footnotes, headers, justification, tabulation
8. Editing text using detailing character, word, line, search and replace, dictionary
9. Cut, paste, move, copy, sort, file read, file write
10. Mail merge, print, index, book mark, tables of content using paragraph.
11. Introduction to worksheet, workbook, cell, row.
12. Editing data, clean, insert, delete cell, row, column.
13. Formula and function for data entry
14. Worksheet settings, width of column, , Colour, heading, hide & display, align data, bold, align data, bold, italics, orientation.
15. Freeze rows, columns, spilt, sort, filter, sub total.
16. Chart sheet, save, Colour types, legend.

17. Multiple worksheets, Copy, move, linking data between worksheets
18. Prepare a worksheet to print, page break
19. Print a worksheet, work book
20. Power point sample template selection
21. Power point sample presentation Demonstration
22. Power point slide layout selection Demonstration and Use
23. Prepare a slide, insert new slide
24. Use of animation styles, sound effect for presentation
25. Internet awareness
26. Different types of internet browsers, Searching of Internet
27. Connecting different WWW sites
28. Creating and sending emails
29. e-Payment method, Card and e wallets
30. E-commerce sites and payment Catalogue

REFERENCES

1. MS Office Instant Reference
2. Windows Inside Peter Norton
3. Teach Yourself WINDOWS Al Stevens
