

COMPUTER APPLICATIONS -I

CODE CD 101	L	T	P
BC 101/CA 101/ ID 101/ TD 101	1	--	3

RATIONALE

The course has been designed to provide an introduction to Computer Technology and its tools. The student will be able to understand the basics of Computer and its application. The student will be able to appreciate the role of Computer Technology, more specifically computer hardware, software and its application in the present social and economic scenario.

The course has focus on the following:

- * Computer Organization.
- * Computer Operating System and Software
- * MS Windows, Word Processing
- * Presentation Packages.

CONTENTS

	L	P
1. Computer Appreciation :	2	3
1.1. Characteristics of Computers.		
1.2. Input, Output, Storage units.		
1.3. CPU, Computer System.		
2. Computer Organization :	11	12
2.1 Central Processing Unit.		
2.1.1 Control Unit.		
2.1.2 Arithmetic Unit.		
2.1.3 Instruction Set.		
2.1.4 Register.		
2.1.5 Processor Speed.		
2.2 Memory		
2.2.1 Main Memory.		
2.2.2 Storage Evaluation Criteria.		
2.2.3 Memory Organization.		
2.2.4 Memory Capacity.		
2.2.5 Random Access Memories.		
2.2.6 Read Only Memories.		
2.2.7 Secondary Storage Devices.		
2.2.7.1 Magnetic Disk.		
2.2.7.2 Floppy and Hard Disk.		

	2.2.7.3	Optical Disks CD-ROM.		
	2.2.7.4	Mass Storage Devices.		
2.3		Input Devices		
	2.3.1	Keyboard.		
	2.3.2	Mouse.		
	2.3.3	Trackball.		
	2.3.4	Joystick.		
	2.3.5	Scanner.		
	2.3.6	Optical Mark Reader.		
	2.3.7	Bar-code Reader.		
	2.3.8	Magnetic Ink Character Reader.		
	2.3.9	Digitizer.		
	2.3.10	Card Reader.		
	2.3.11	Voice Recognition.		
	2.3.12	Web Camera		
	2.3.13	Video Cameras.		
2.4		Output Devices		
	2.4.1	Monitors.		
	2.4.2	Printers.		
		2.4.2.1 Dot Matrix Printers.		
		2.4.2.2 Inkjet Printers.		
		2.4.2.3 Laser Printers.		
	2.4.3	Plotters.		
	2.4.4	Computers Output Micro-Film (COM).		
	2.4.5	Multimedia Projector		
2.5.		Computer Software.		
	2.5.1	Relationship between Hardware and Software.		
	2.5.2	System Software, Application Software, Compiler. Interpreter, Names of some high level languages		
	2.5.3	Applications of Computer		
3.		Operating System :	9	12
	3.1	Microsoft Windows		
	3.1.1	An overview of different versions of Windows.		
	3.1.2	Basic Windows elements.		
	3.1.3	File Management through Windows.		
	3.1.4	Using Essential Accessories: Systems Tools- Disk cleanup, Disk defragmenter, Entertainment, Games, Calculator, Imaging-Fax, Notepad, Paint, WordPad, Recycle Bin, Windows Explorer, Creating Folders & Icons		

4.	Word Processing :	5	39
4.1	Word Processing Concepts.		
4.2	Saving, Closing, Opening an Existing Document.		
4.3	Selecting text, Editing text.		
4.4	Finding and Replacing text.		
4.5	Printing Documents.		
4.6	Creating and Printing Merged Documents, Mail merge		
4.7	Character and Paragraph Formatting, Page Design and Layout.		
4.8	Editing and Proofing Tools; Checking and correcting spellings.		
4.9	Handling Graphics.		
4.10	Creating Tables and Charts.		
4.11	Document Templates and Wizards.		
5.	Presentation Package :	3	24
5.1	Creating. Opening and Saving presentations.		
5.2	Creating the look of presentation.		
5.3	Working in different Views, working with Slides.		
5.4	Adding and formatting Text, Formatting Paragraphs.		
5.5	Checking Spelling and Correcting Typing Mistakes.		
5.6	Making Notes, Pages and Handouts.		
5.7	Drawing and Working with Objects.		
5.8	Adding Clip Art and Other Pictures.		
5.9	Designing Slide Shows.		
5.10	Running and Controlling a Slide Show.		
5.11	Printing Presentations.		

REFERENCE BOOKS :

1	Foundations of Computing	P.K. Sinha and P. Sinha, First edition, 2002 BPB publication.
2.	Microsoft office 2000 for Windows	S. Sagman, second Indian print, 2001 Pearson education.

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COMMUNICATION SKILLS IN ENGLISH

CODE CD 102	L	T	P
BC 102/CA 102/ ID 102/ TD 102	1	-	2

RATIONALE

The students seeking admission to the diploma courses do not have the required proficiency in English. It has, therefore, been decided to introduce English and Communication Techniques to help them to attain proficiency in the subject.

CONTENTS

		L
1.	Narration, Voice, Basic Sentence Patterns. (Nine basic sentence patterns)	5
2.	Transformation of Sentences, Determiners, Preposition.	7
3.	Tenses, Common errors (Noun, Pronoun, Articles, Adverb, Punctuation, Preposition etc.)	7
4.	Modals in Conversational Usage, Prefix, Suffix, Idioms & Phrasal verbs :	4
	Modals Can, Could, Should, Will, Would, May, Might, Must, Need not, Dare not, Ought to, Used to.	
	Phrases At all; In stead of; In Spite of; As well as; Set up; Up set; Look up; Call off; Call out; Come across; Set right; Look other.	
	Idioms Work up (excite); Break down; Stand up for; Turn down; Pass away; Pass on; Back up; Back out; Carry out; Done for (ruined); Bring about; Go through; Ran over; Look up (improve); Pick out (selected).	
5.	Composition - 1. Unseen Passage, Precis Writing	2
6.	Letter Writing, Paragraph Writing, Report Writing	3
7.	Essay Writing - Essays on general and topics related to environmental problems.	2

PRACTICALS

We envisage two successive stages for attaining skill in communication ability;

1. Listening
2. Speaking

We can club them together as shown above.

1.	Listening :	6
	1.1 For improving listening skills the following steps are recommended,	
	1.1.1 Listen to Pre-recorded Tapes	
	1.1.2 Reproduce Vocally what has been heard	
	1.1.3 Reproduce in Written form	
	1.1.4 Summarise the text heard	
	1.1.5 Suggest Substitution of Words and Sentences	
	1.1.6 Answer Questions related to the taped text	
	1.1.7 Summarise in Writing	
2.	Speaking :	6
	2.1 Introducing English consonant-sounds and vowel-sounds.	
	2.1.1 Remedial exercises where necessary	
	2.2 Knowing Word stress	
	Shifting word stress in poly-syllabic words	
	[For pronunciation practice read aloud a para or page regularly while others monitor]	
3.	Vocabulary :	10
	3.1 Synonyms. Homonyms. Antonyms and Homophones	
	3.2 Words often confused, as for example,	
	[I-me; your-yours; its-it's; comprehensible-comprehensive; complement-compliment]	
	3.3 Context-based meanings of the words, for example,	
	3.3.1 man[N] man[vb]; step[N] ,step[vb]	
	3.3.2 conflict _____ Israel Palestinian conflict	
	Emotional conflict,	
	Ideas conflict	
	3.3.3 learn _____ I learn at this school	
	I learnt from the morning news	
4.	Delivering Short Discourses :	15
	4.1. About oneself	
	4.2 Describing a Place, Person, Object	
	4.3 Describing a Picture, Photo.	

5.	Group Discussion :	15
	5.1 Developing skill to initiate a discussion [How to open]	
	5.2 Snatching initiative from others [Watch for weak points, etc.]	

6.	Expand a topic-sentence into 4-5 sentence narrative.	8
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- Note :**
1. The Medium of teaching and examination will be English.
 2. The Question on Essay Writing (Unit-7) will be compulsory. The student will have to attempt one essay out of two, touching the given points on general/ local topic related to environmental problems.
 3. At least one question will be set from each unit.
 4. No theory question will be set from syllabus of practicals.

REFERENCE BOOKS

1. Intermediate English Grammar	Raymond Murphy, Pub: Foundation Books, New Delhi
2. Eng. Grammar, usage & Composition	Tickoo & Subramanian Pub: S.Chand and Co.
3. Living Eng. Structure	Stannard Alien. Pub: Longman
4. A Practical Eng. Grammar (and its Exercise Books)	Thomson and Martinet. Pub : ELBS
5. High School English Grammar and Composition	Wren & Martin.

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THEORY OF FASHION - I

CODE CD 103	L	T	P
	3	2/2	--

RATIONALE

This subject provides a basic idea of Fashion traditional craft to the students of designing. The contents of the subject are such that the students are able to understand the basic contents and will be able to solve problem on garments production.

CONTENTS

		L	T
1.	Fashion as an Art and Industry.	6	2
2.	Art Elements and Principles :	18	6
	2.1 Definitions		

2.2	Types		
2.3	Importance in Fashion Illustration		
3.	Measurement Charts :	6	2
3.1	Applicability and Importance		
3.2	Standardization for Garment Industry, (I.S.I. standards)		
4.	Technical Terms Related to :	9	3
4.1	Dress Designing		
4.2	Drafting and Cutting		
4.3	Stitching and Finishing		
5.	Tools for Clothing Construction :	12	4
5.1	Measuring Tools		
5.2	Marking Tools		
5.3	Cutting Tools		
5.4	Pressing Tools		
5.5	General Tools		
6.	Paper Patterns :	6	2
6.1	Introduction		
6.2	Definition		
6.3	Types		
6.4	Importance		
6.5	Consideration while making Paper Pattern.		
7.	Marking to the Fabrics :	6	2
7.1	Tracing Wheel and Carbon Paper		
7.2	Tailor's Chalk		
7.3	Thread Tacking		
7.4	Tailor's Tack		
7.5	Clip Marking		
8.	Precautions to be taken while working with different kinds of fabric :	15	5
8.1	Layout - (Plain, Printed, Striped, Checks)		
8.2	Marking - (Cotton, Synthetic, Woollen, Pile)		
8.3	Cutting - (Cotton, Synthetic, Woolen, Pile)		
8.4	Stitching - (Silk, Pile, Denim, Synthetic, Woollen)		
8.5	Finishing - (Light Weight, Medium Weight, Heavy Weight, Knitted Fabrics)		

9.	Preparation of Material Before Cutting :	12	4
9.1	Checking the Grain of the Fabric		
9.2	Straightening		
9.3	Shrinking		
9.4	Pressing		
9.5	Identification of warp weft and selvedge		

REFERENCE BOOKS :

1.	Treasure of Indian Textiles	Marg Publication Bombay
2.	The Encyclopedia of World Fashion	Bonza Books N, York
3.	Vogue-History of 20th Fashion	Bloom Bury Books
4.	Traditional Indian Textiles	Thomas and Hudson

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SURFACE ORNAMENTATION - I

CODE CD 104	L	T	P
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RATIONALE

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

		P
1.	Study of Basic Hand Embroidery Stitches :	40
1.1	Flat	
1.2	Looped	
1.3	Crossed	
1.4	Knotted	
2.	Articles Based on Above Mentioned Stitches :	44
2.1	Hankies	
2.2	Dressing table mats	
2.3	Table covers	
3.	File based on hand embroidery stitches.	6

REFERENCE BOOKS :

- | | |
|----------------------------------|---|
| 1. Embroidery | Ksynia Marko |
| 2. Teachaing Needle Craft | Wan Nostrand Remhold Co. |
| 3. Embroidered Textile | Thomas Hudson Lts. London |
| 4. The Complete Book of Knitting | Crokhet and Embroidery
Marshall Canvendish |
| 5. Needle Worker's Dictionary | Pammela Clayburn. |
| 6. Decorative Needle Craft | Arco Publishing Int. N. York |
| 7. Embroidery | William Collins & Sons &
Coltd London. |

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FASHION ILLUSTRATIONS - I

CODE CD 105	L T P
	-- -- 6

RATIONALE

Drawing is the language of a designer. A student should be able to read and understand human sketches and this has great importance and relation to the garment construction.

CONTENTS

	P
1. Line Sketches in Pencil and Ink :	24
1.1 Boys and Girls	
1.2 Ladies	
1.3 Gents	
2. Brief idea about Drawing Tools and Materials.	6
3. Colour and Colour Schemes (Charts only).	12
4. Sketches of :	36
4.1 Flowers and Twigs	
4.2 Trees and Foliage	
5. Sketches Related to Boys / Girls/ Ladies / Gents :	48
5.1 Necklines	
5.2 Collars	
5.3 Sleeves	
5.4 Yokes	
5.5 Bows and Ties	
5.6 Caps and Hats	
5.7 Pockets	
5.8 Belts	
6. Sketches of Boys / Girls/ Ladies / Gents Garments in Pencil, Wax, Crayon, Ink Water and Poster Colours.	54

- 6.1 Casual Wear
- 6.2 Formal Wear

REFERENCE BOOKS

- | | |
|-----------------------------------|---------------------|
| 1. The Art of Costume Design | Marilyn Sotto |
| 2. How'to Draw and Paint Fashions | Walter T. Faster |
| 3. Children's Clothes | Conran Actopus |
| 4. Kiddys Fashion | Wongs Wary Press |
| 5. Men's Hi Fashion | Poineer Books Co. |
| 6. Women's Hi Fashion | Poineer Books Co. |
| 7. Mccall's Vogue and Simplicity | (Monthly Magazines) |
| 8. Kiddy Vol - 1 to 25 | |
| 9. Fashion Magazines | |

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MARKET TRENDS & STUDY

CODE CD 106	L T P
	-- -- 3

RATIONALE

The student after studying the subject will be able to prepare estimate of particular garment with the help of this survey. Student can create new styles according to changes in fashion.

CONTENTS

	P
Brief theoretical knowledge should be included during the practical survey itself.	
1. Prepare a sample file and survey report according to the following topics and write its identifications such as nature, suitability with cost, general care and identification tests of the fabrics :	
1.1 Different types of Cotton Fabrics	9
1.2 Different types of Synthetic Fabrics	9
1.3 Different types of Woollen Fabrics	12
1.4 Different types of Sheer Fabrics	12
1.5 Different types of Silk Fabrics	12
1.6 Different types of Lining and Interlining with its proper utility.	9
1.7 Collection of various types of accessories	12
1.8 Different types of Jute, Velvet, Canvas, Brocade, Lace (net), Namda and Pile fabrics.	15

REFERENCE BOOKS :

- | | |
|-------------------------------------|----------------------------|
| 1. Soft Furnishing | Manga Books |
| 2. Ready Set Sew | The Butterick Sewing Books |
| 3. Fabric Source & Marketing Bombay | (Monthly Magazine) |
| 4. Textile Fiber & Their Care | Dhuntyagi |
| 5. Furnishing Fabrics | Thomas & Hudson London |
| 6. The Dictionary of Needle Work | Blaketon Hall England |

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BASIC SEWING TECHNIQUES

CODE CD 107	L	T	P
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RATIONALE

The subject may be considered as the backbone for the students of fashion. Sewing is related with basic garment construction which will be taught to students through this subject. Apart from these construction aspects. Student will know the different decorative techniques. After going through this subject, the students will be capable in understanding all other stitching related subjects.

CONTENTS

	P
Note : Brief theoretical knowledge should be given before practical.	
1. Introduction of Sewing Machine with Hand, Tradle and Electric motor :	6
1.1 Basic Parts and Attachments	
1.2 Functions	
1.3 Defects and Remedies	
2. Basic Hand Stitches :	6
2.1 Temporary Stitches : Basting even, Uneven, Diagonal & Slip basting.	
2.2 Permanent Stitches : Running stitch, Hemming, Slip stitch, Back stitch, Run and Back stitch, Over casting, Over handing, Whipstitch.	
3. Seams and Seam Finishes :	9
3.1 Seams - Types of seams working of common seams Plain seam, Top stitched seam Welt seam, Lapped seam, Slot seam, Flat fell seam, French seam, Mantua maker's seam, Piped seam.	
3.2 Seam Finishes : Pinked, Edge stitched, Double stitched, Over cast, Herring bone stitch, Bound seam	

4. Introducing Fullness :	24
4.1 Darts : Decorative and Functional darts	
4.2 Pleats : Knite Pleats, Box Pleats, Inverted Pleats, Kick Pleats, Fan Pleats, Cartridge Pleats, Pinch Pleats.	
4.3 Tucks	
4.3.1 Pin Tucks - Piped or Corded tucks, Cross Tucking	
4.3.2 Wide tucks - Blind Tucks, Spaced Tucks, Shell or Scalloped Tucks, Group Tucking with Scalloped effect.	
4.4 Gathers	
4.4.1 Gathering by Hand	
4.4.2 Gathering by Machine	
4.4.3 Gathering by using Elastic	
4.4.4 Shirring and Gauging	
4.5 Frill or Ruffles	
4.5.1 Double Ruffle	
4.5.2 Circular Ruffle	
4.5.3 Flounces and Waffles	
5. Facing and Bindings :	6
5.1 Facing - Bias facing, Shaped facing, Decorative facing.	
5.2 Bindings - Single Bias Binding, Double Bias Binding, (Preparation and uses of True Bias, Cutting and Foaming Bias Strips)	
6. Plackets and Openings :	9
6.1 Continuous Bound Placket	
6.2 Bound and Faced Placket or Two Piece Placket	
6.3 Zipper Placket	
6.4 Tailored Placket or Shirt Sleeve Placket	
6.5 Bound Neck Opening	
6.6 Centre Front Opening	
7. Pockets :	9
7.1 Patch Pockets	
7.2 In seam Pockets	
7.3 Cut Pockets	

8. Fasteners :	6
8.1 Button & Button holes	
8.2 Hooks & Eyes	
8.3 Snaps	
8.4 Zip	
8.5 Velcro	
9. Trimmings : Laces, Braids, Ribbon, Piping.	9
10. Hem Finishes :	6
10.1 Stitched and Turned hem	
10.2 Seam Binding Hem Finish	
10.3 Catch Stitches Hem	
10.4 Narrow Machine Stitched Hem	
10.5 Rolled or Whipped Hem	
10.6 Shell Edged Hem for Circular or Flared Skirts.	

Note : Samples file should be prepared as listed above.

REFERENCE BOOKS :

1. Sew it	Nancy Bruning
2. Sewing of Golden Hands	Marshall Cavendish
3. Sewing	Jean Kimmod
4. Singer Sewing Book	Singer Sewing Company
5. Sewing	Ana Ladbury
6. Introduction to Dress Making	Marshall Cavendish
7. The Art of Sewing	Anna Jaqueb

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DRAFTING AND GARMENT CONSTRUCTION - I

CODE CD 108	L	T	P
	2	--	8

RATIONALE

Fashion always changes but the principles of garment cutting remains the same. With the help of these principles, hundreds of new styles and designs can be created according to change in fashion.

CONTENTS

Note :	All Contents are related to children wear.	L	P
1.	Measurement charts for children wear	2	6
2.	Definition, Scope, Elements, Methods & Importance of Drafting	8	12

3. Types of measurements :	4	12
3.1 Direct		
3.2 Indirect		
4. How to take and record body measurement.	4	12
5. Preparation of Child's basic Bodice Block, Sleeve Block and Hip Block.	6	18
6. Fitting Problems & Alterations in Children's Garments.	2	5
7. Making Drafts and Samples of the following :		
7.1 Sleeves	10	35
7.1.1 Set - in	7.1.7 Bishop	
7.1.2 Raglon	7.1.8 Petal	
7.1.3 Megyar	7.1.9 Circular	
7.1.4 Puff	7.1.10 Batwing	
7.1.5 Bell	7.1.11 Kimono	
7.1.6 Leg o'motton		
7.2 Collars :	10	40
7.2.1 Peter pan	7.2.5 Roll	
7.2.2 Shirt	7.2.6 Shawl	
7.2.3 Stand	7.2.7 Sailor	
7.2.4 Swinging	7.2.8 Tie stand	
8. Drafting, Pattern Making, Estimation and Layout cutting of all the garments :	14	100
8.1 Jhabla with Panty		
8.2 Baba Suit		
8.3 Frock (different types)		
8.4 Dungarees		
8.5 Night Suits		

REFERENCE BOOKS :

1. Metric Pattern Cutting for Children Wear	Winifud Aldrish
2. Dress Fitting	B.S.P. Profession
3. Vogue Fitting	Harpner & Raw
4. Singer Sewing Book	Singer Company
5. Make your Own Dress Pattern	Brenda Redmile
6. The Art of Sewing	Anna Jacqued.

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COMPUTER APPLICATION - II

CODE CD 201 L T P
 BC 201/CA 201/ID 201/TD 201 1 -- 3

RATIONAL

The course has been designed to provide an introduction to Computer Networks, Internet and Internet Accesses, Electronic mailing system, Worksheets concepts, Branch related software application. The student will understand the basic Web terminology. The students will be able to access Internet, send & receive emails, searching and managing data on worksheet.

CONTENTS

	L	T	P
1. Branch Related Applications and Softwares :	5		15
1.1 Only for Costume Design & Dress Making Students			
• Corel Draw / Photoshop			
1.2 Only for Textile Design Students			
• Corel Draw / Photoshop			
1.3 Only for Commercial Art Students			
• Corel Draw / Photoshop			
1.4 Only for Beauty Culture Students			
• Cosmopolitan/ Photoshop			
1.5 Only for Interior Decoration Students			
• 3D- Home / Autocad			
2. Computer Networking :	4		8
2.1 Need of networks.			
2.2 Types of Network-LAN, WAN, MAN etc.,			
2.3 Topologies of LAN - Ring, Bus, Star, Mesh and Tree topologies,			
2.4 Components of LAN -Media, NIC, NOS, Bridges, HUB, Routers, Repeater and Gateways,			
2.5 Modem - Working and characteristics,			
2.6 Types of Connections - Dialup, Leased Lines, ISDN,			
3. Internet Basic :	5		15
3.1 Evolution.			
3.2 Protocols.			
3.3 Interface Concepts.			
3.4 Internet Vs Intranet.			
3.5 Growth of Internet.			
3.6 Internet Service Provider.			
3.7 URLs and Domain names.			
3.8 Portals and Applications.			

4. Electronic Mail (E-mail) :	5	20
4.1 Concepts		
4.2 POP and WEB Based E-mail		
4.3 Merits.		
4.4 Address.		
4.5 Basics of Sending & Receiving.		
4.6 E-mail Protocols.		
4.7 Mailing List.		
4.8 Free Email services.		
5. World Wide Web (WWW) :	4	14
5.1 History and Working.		
5.2 Web Browsers, and Its functions.		
5.3 Concept of Search Engines.		
5.4 Searching the Web.		
5.5 Web Servers.		
5.6 Web Protocols.		
6. Spreadsheet Package :	7	18
6.1 Spreadsheet Concepts.		
6.2 Creating, Saving and Editing a Workbook.		
6.3 Inserting, Deleting Work Sheets.		
6.4 Entering data in a cell / formula.		
6.5 Copying and Moving data from selected cells.		
6.6 Handling operators in formulas.		
6.7 Functions; Mathematical, Logical, Statistical Text, Financial. Date and Time Functions, using Function Wizard.		
6.8 Formatting a Worksheet: Formatting cells changing data alignment, changing date, number, character, or currency format, changing font, adding borders and colors.		
6.9 Printing worksheet.		
6.10 Charts and Graphs- Creating, Previewing, Modifying Charts.		
6.11 Integrating word processor, spread sheets, web pages.		

NOTE:

- Above concept may be illustrated using internet. Student should practice on internet for needful searching, text & voice chatting etc. Student are required to practice on MS-Excel and branch related software's.

2. From topic no.1 "Branch Related Applications & Software" No question will be asked in theory paper. The Questions from this topic will be incorporated in practical examinations of respective branches.

REFERENCE BOOKS :

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. O level Module -M 1.2- Internet & web page designing 2. Internet for Everyone & Mat hews Lean, 3. Microsoft office 2000 for Windows Pearson education | <p>V.K.Jain,
BPB Publications.
Alexis Lean
Vikas Publishing
House, New Delhi.
S. Sagman</p> |
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ENVIRONMENTAL STUDIES

CODE CD 202	L T P
BC 202/CA 202/ ID 202/ TD 202	2 -- 2/2

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 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.

CONTENTS

1.	General :	L	
		5	
	1.1 Biotic and abiotic environment.		
	1.2 Adverse effects of Environmental Pollution		
	1.3 Control strategies		
	1.4 Various Acts and Regulations		
2.	Water Pollution :	10	
	2.1 Water Quality Standards		
	2.2 Surface and underground water sources		
	2.3 Impurities in water and their removal		
	2.4 De-fluoridation		
	2.5 Adverse effects of domestic waste water and industrial effluent to surface water sources		
	2.6 Eutrophication of lakes		
	2.7 Self purification of streams		

3.	Air Pollution :	10
	3.1 Sources of air contaminants	
	3.2 Adverse effects on human health	
	3.3 Measurement of 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 Its collection and disposal	
	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 the 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 and Rural Sanitation :	10
	8.1 Water harvesting techniques	
	8.2 Different schemes of Rural Water Supply in Rajasthan	
	8.3 Rural Sanitation	
	8.4 Septic Tank	

- 8.5 Collection and disposal of wastes
- 8.6 Bio-gas
- 8.7 Community Awareness and participation

- 9. Miscellaneous : 5**
- 9.1 Non-Conventional (Renewable) sources of energy
 - 9.2 Solar energy, Wind energy, Bio-mass energy, Hydrogen energy

- Practical work : P**
- 1. Visit to local air polluted site 6
 - 2. Visit to local water polluted site 6
 - 3. Visit to local area to document environmental assets-mountain / desert / river / forest 6
 - 4. Study of local birds, plants, insects 3
 - 5. Plantation work 3
 - 6. Environmental awareness campaign through exhibitions 6

Note : After visits/ study, the students will prepare posters , charts , reports for exhibitions / presentations.

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. Introduction to Environmental Engineering & Science	Gilbert M Masters Prentice Hall of India, 1995
10. Concept of Ecology, 1991	Edward J Kormondy
11. Ecology 1975	Odum
12. Environmental Engineering	Peavy, Rowe, Tehobaniglum
13. Environmental Impact Assessment	Mc Graw Hill, NewYork, 1977
14. Environmental Technologies for Sustainable Development	Dr. Upendra Pandel Dr. M.P. Poonia
15. Environmental Pollution & Management	V.K. Kohli & Vikas Kohli

- 16. पर्यावरण विनाश के कगार पर राजीव गुप्ता
- 17. पर्यावरण जीवों का आंगन प्रेमानन्द चंदोला
- 18. पर्यावरण (त्रैमासिक) पर्यावरण एवं वन मंत्रालय, नई दिल्ली
- 19. Panda, New letter WWF-India, New Delhi

Recommended faculty for teaching the subject: Faculty of Civil Engineering or M.Sc. in Environment or PG Diploma in Environment and Sustainable Development.

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THEORY OF FASHION – II

CODE CD 203	L T P
	3 2/2 --

RATIONALE

This subject provides a basic idea of human anatomy and role of a designer to the students of Fashion. The contents of the subject are such that the students are able to understand the basic concept of art selection of garments, care and storage etc and will be able to solve the problems related to the field.

CONTENTS

	L	T
1. History of Indian Dresses :	21	7
1.1 Ancient		
1.2 Medieval		
1.3 Modern		
2. Anatomy for Designer :	8	3
2.1 Joints and Muscles		
2.2 Growth and Development		
2.3 Eight Head Theory		
2.4 Types of human figures		
3. Traditional Indian Textiles and Costumes :	21	7
3.1 Rajasthan		
3.2 Bengal		
3.3 Punjab		
3.4 Uttar Pradesh		
3.5 Gujarat		
3.6 Himachal Pradesh		
3.7 Jammu and Kashmir		
4. Selection of Dress According to :	15	5
4.1 Occasion		
4.2 Occupation		
4.3 Climate		

- 4.4 Personality
- 4.5 Age and Sex

5	Selection of Special Fabrics :	9	3
	5.1 Bed sheets and Bed cover		
	5.2 Pillow cover		
	5.3 Table cover		
	5.4 Table Napkins		
	5.5 Towel		
	5.6 Curtains and draperies		
	5.7 Blanket		
	5.8 Carpet		
	5.9 Upholstery		
6	Care and storage of cotton, Linen, Wool, Silk, and Synthetic fabrics :	10	3
	6.1 Brushing and Airing		
	6.2 Clean Storage		
	6.3 Stain Removal		
	6.4 Immediate Repairing		
	6.5 Appropriate laundry procedure (above mentioned fabrics)		
7.	Readymade Garments :	6	2
	7.1 Introduction		
	7.2 Basis of Selection of Ready-made Garments		
	7.3 Merits and Demerits		

REFERENCE BOOKS :

1. Paushak Nirman Ke Siddhant Pramila Verma
2. Indian Costumes and Textiles Jagdish Mittal
3. History of Indian Dress Longman
4. Vogue Fitting Harpes & Raw Publisher New York

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SURFACE ORNAMENTATION - II

CODE CD 204 **L T P**
-- -- 3

RATIONALE

Traditional and Typical Embroidery gives an insight to the traditions and cultural aspects of one country and the student gets knowledge of the subject which they can use to create new patterns. This holds a great importance in the field of fashion.

CONTENTS

P

Brief theoretical knowledge should be given of all the following topics by Hand Embroidery.

1.	Traditional Indian Embroidery :	24
	1.1 Kashida Kari	
	1.2 Phulkari	
	1.3 Chiken kari	
	1.4 Kantha	
	1.5 Kasuti	
	1.6 Kutch	
	1.7 Chamba Rumal	
2.	Typical Embroidery :	30
	2.1 Smocking	
	2.2 Shadow work	
	2.3 Assisi work	
	2.4 Black work	
	2.5 Cut work	
	2.6 Drawn and pulled thread work	
	2.7 Ribbon work	
	2.8 Patch work	
	2.9 Applique work Zordugi	
	2.10 Zardozi	
3.	Preparation of sample file as listed above.	9
4.	Articles (Minimum three) :	27
	4.1 Dupatta	
	4.2 Sofa back	
	4.3 Cushion Covers	
	4.4 Baby bed sheet	
	4.5 Wall picture	

REFERENCE BOOKS :

- | | |
|---------------------------------|-------------------|
| 1. The Dictionary of Needlework | Sophia Carlfield |
| 2. Teaching Needle Craft | Thomes Hudson |
| 3. The Art of Kantha Embroidery | Niaz Zaman |
| 4. Chamba Rumals | A.K. Bhattacharya |

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FASHION ILLUSTRATIONS - II

CODE CD 205 **L T P**
-- -- 5

RATIONALE

Creativity is the life of a Designer. This subject reflects the students Capabilities in the field of Fashion. Special knowledge of ladies garments will be effective with proper practice.

CONTENTS

Sketch the following garment design for ladies according to different age groups in different suitable mediums, according to theme and fashion with special features of the dresses, coordinating the designs with drafting and garment construction :

- | | |
|--|-----------|
| 1. Casual Wear- No of sketches-15 | 21 |
| 2. Formal Wear- No of sketches-15 | 30 |
| 3. Prepare two Posters of Collage on Fashion Figures According to Suitable Material. | 12 |
| 4. Design and Paint Dresses on Fashion Figures According to Fabric Swatches. | 18 |
| 5. Illustration of different types of Fabrics:- Plain, Printed, Checks, Dots, Striped and Textured in Suitable Medium. | 24 |
| 6. Computer Aided Dress Designing and Application of Fashion of Different Poses Using Illustrator, Photoshop or other Related Software. | 40 |

REFERENCE BOOKS :

- | | |
|--|-----------------------|
| 1. How to Draw & Paint Fashion | Walton T. Foster |
| 2. Women's Hi Fashion | Pioneer Books Company |
| 3. Hi Fashion | Hema Malini |
| 4. Fashion Design Illustration Women | Patric John Ireland |
| 5. Advance Fashion Sketch Book Vol. I | Bina Abling |
| 6. Advance Fashion Sketch Book Vol. II | Bina Abling |

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KNITTING

CODE CD 206 **L T P**
-- -- 4

RATIONALE

Knitting is a very effective and versatile method of knitted garments. The major advantages of the knitted garments to the wearer are comfort and neatness. Comfort in clothing is based on the ability of the garments to adopt to the body movements. Hence knowledge of Knitting is essential to CDDM students.

CONTENTS

- | | |
|---|----------------------|
| 1. Introduction and Importance of Knitting Yarns. | P
3 |
| 2. Measurement charts for Children, Ladies and Gents. | 3 |
| 3. Make sample file of the following by Machine : | 30 |
| 3.1 Basic Stitches | |
| 3.2 Figure Knitting | |
| 3.3 Different types of Borders | |
| 3.4 Different types of Sleeves | |
| 3.5 Different types of Plackets | |
| 3.6 Different types of Necklines | |
| 3.7 Different types of Pockets | |
| 3.8 Different types of Collars | |
| 3.9 Letter Knitting | |
| 3.10 Fancy Stitches (Slip, Cable, Lace, Cross, Loops and Bubbles) | |
| 4. Knit the following Articles by Machine : | 84 |
| 4.1 Socks and Booties | |
| 4.2 Caps and Hats | |
| 4.3 Muffler | |

- 4.4 Frock
- 4.5 Pullover and Cardigan
- 4.6 Furnishing items (any two)

REFERENCE BOOKS

- 1 Knitted Clothing Technology Bracken buty
- 2. The Harmony Guide to Colourful Machine Knitting Harmony

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FASHION ACCESSORIES

CODE CD 207	L	T	P
	---	--	3

RATIONALE

This subject is essential for a CDDM student. Fashion accessories are related to the fashion garments which the student creates in the field of Fashion.

CONTENTS

		P
1. Head Gears (Cap and Hat)		12
2. Scarf		9
3. Fashion Jewellery		24
4. Tie and Bow		12
5. Belts		12
6. Bags and Purses		12
7. Hand Gloves		9

Use different types of materials as Beads, Cords, Crochet threads, Fur, Leather, Jute, Canvas, Ribbons, Sequins and Felt etc.

REFERENCE BOOKS :

- 1. The Fairchild Encyclopaedia of Fashion Accessories Phyllis Tortora
- 2. The Fairchild Dictionary of Fashion Calasi Bella
- 3. Creative Craft Jerry Lacy
- 4. Designed Craft Hodder

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DRAFTING & GARMENT CONSTRUCTION – II

CODE CD 208	L	T	P
	2	--	8

RATIONALE

For a garment to be truly attractive, it should fit well. To achieve a good fit for ladies garments it is necessary to go through the drafting details.

CONTENTS

	L	P
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Note : All contents are related to Ladies Garments :

1. Measurement Chart for Ladies.	2	3
2. Drafting for Ladies Garments with Instructions :	6	9
2.1 Basic Bodice block		
2.2 Sleeve Block		
2.3 Hip Block		
3. Drafting pattern making of all the following garments according to fashion :	12	48
3.1 Casual wear	3 to 5	
3.2 Formal wear	3 to 5	
List of Garments :		
1 Nightie		
2 Skirts of different types		
3 Tops		
4 Salwar suits		
5 Gowns		
6 Jeans		
7 Churidar		
8 Saree , Blouse (Plain, Choli Cut, Bais Cut)		
4. Estimation and layout, cutting, stitching, finishing of all the above listed garments.	24	150
5. Fitting problems and alterations in ladies garments.	6	6
6. Dart manipulation by Slash and Pivot method.	6	6
7. Define and explain the following terms :	2	12
7.1 Mending		
7.2 Darning		
7.3 Patching		
7.4 Renovation		
8. Practice of any one garment with draping method.	2	6

REFERENCE BOOKS :

- 1. Cutting & Tailoring – Part – 1- 2 Ishwari & Anwari
- 2. Encyclopaedia of Dress Making Raul Jewel
- 3. The Art of Fashion Draping Connie Amaden
- 4. The Technology of Clothing Manufacture Harlod Carr

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**PROFESSIONAL MANAGEMENT AND
ENTREPRENEURSHIP**

CODE CD 301 **L T P**
CA 301/ ID 301/ TD 301 2 2/2 --

RATIONALE

To achieve the targets and goals in an organisation, it is essential to co-ordinate the entire system. For this process the knowledge of principles of management, personnel management, material management and financial management is required.

As the opportunities for wage employment are reducing day by day, Govt. of India realised for the development of entrepreneurship. To make aware the students of different branches of diploma courses, can be learn how to equip themselves for setting up a small scale industry of their own area of study. This course includes the procedure for how to select, proceed and start the small scale industry.

CONTENTS

	L	T
1. Meaning and Scope of Business :	2	1
1.1 Definition		
1.1.1 Profession		
1.1.2 Trade		
1.1.3 Industry		
1.2 Objectives of business and profession.		
2. Types of Business Organisation :	6	3
2.1 Brief description		
2.2 Advantages and disadvantages of		
2.2.1 Individual		
2.2.2 Partnership		
2.2.3 Cooperative, private		
2.2.4 Public limited organisations		
2.3 Characteristics of small business		
2.4 Business ethics		
2.5 Organisaton charts.		
3. Management Techniques :	3	1
3.1 Leadership		
3.2 Authority		
3.3 Responsibility		
3.4 Functions of Management.		

4. Quality Control:	4	3
4.1 Meaning		
4.2 Importance of keeping standard		
4.3 Factors, responsible for deviation from standards.		
4.4 ISO and ISO-9000 to 9006		
4.5 Total quality management.		
5. Financial Management :	5	3
5.1 Sources of finance		
5.2 Brief idea of		
5.2.1 Cash and credit		
5.2.2 Cheques		
5.2.3 Drafts		
5.2.4 Bill of exchanges		
5.2.5 Promissory note.		
6. Marketing :	6	3
6.1 Basic concept		
6.2 Market research		
6.3 Market promotion		
6.4 Branding		
6.5 Packaging		
6.6 Pricing		
6.7 Planning and development		
6.8 Advertisement media and effectiveness.		
6.9 Sales forecasting		
6.10 Marketing mix		
6.11 Pricing policy		
6.12 Sales promotion and salesman ship.		
6.13 After sales services		
6.14 Complaints and their redress		
7. Material Management :	4	1
7.1 Function and duties of purchase department		
7.2 Purchase order		
7.3 Contracts		
7.3.1 Legality of contracts		
7.3.2 Types of contracts		
7.4 Tenders		
7.4.1 Types of tenders		
7.4.2 Tendering procedure		
7.4.3 Earnest money		
7.4.4 Security money.		

7.5	Function and duties of store department		
7.5.1	Receipt and issue procedure of materials		
7.5.2	Physical verification of store safety in stores.		
8.	Human Relations :	6	3
8.1	Motivating the employees		
8.2	Inter personnel relations		
8.3	Grievances and their handling		
8.4	Staff requirement		
8.5	Training monitoring		
9.	Foreign Trade :	4	2
9.1	Export procedure		
9.2	Channels of distribution in export trade		
9.3	Export promotion		
9.4	Registration of firm/factory in R.B.I, AEPC or others.		
10.	Need and Scope of Entrepreneurship :	8	4
10.1	Need, Scope and characteristics of entrepreneurship.		
10.2	Assistance of small scale industries from national level organisations like SIDO, SIS, NSIC, NRDC, KVIC		
10.3	Assistance of small scale industries from State level organisation like DOI, DIC, RSEB, RFC, SISI, RHDC, pollution control board, Rajasthan khadi & village industries board, commercial banks etc.		
10.4	Facilities to women entrepreneurs.		
10.5	Special to demand based, resource based, service based, import substitute, export promotion, trading at consultancy ventures.		
11.	Project Formulation Process :	12	6
11.1	Steps in planning a small scale industry		
11.2	Structure of a project report		
11.3	Analysis of sample project reports		
11.4	Preparation of project report		
11.5	Techno-economic & feasibility of the project.		
11.6	Financial sources for SSI-Loan from State Govt. by RFC,		
11.7	Credit facilities by banks.		
11.8	Rules & Regulations :		
11.8.1	Licensing & registration procedure		
11.8.2	Important provisions of Factory Act		

	11.8.3	Shop & commercial Establishment Act
	11.8.4	Sale of goods Act
	11.8.5	Partnership Act
11.9		Income tax, Sales tax & Excise rules -
	11.9.1	Municipal bye laws
	11.9.2	Insurances coverage.

Note : Entrepreneurship awareness camp should be arranged for 3 to 4 days at a stretch. No question will be asked in the examination from the topics under Entrepreneurship Awareness Camp.

Entrepreneurial Awareness Camp : Topics to be covered in the camp

1. Who is an entrepreneur ?
2. Need for entrepreneurship, entrepreneurial career and wage employment.
3. Scenario of development of small scale industries in India.
4. Entrepreneurial history in India, Indian values and entrepreneurship.
5. Assistance from District Industries Center, Commercial banks, State Financial Corporation, Small Industries Service Institutes, Research and Development laboratories & other financial and development corporations.
6. Considerations for product selection.
7. Opportunities for business, service & industrial ventures.
8. Learning from Indian experiences in entrepreneurship (Interaction with successful entrepreneurs).

The camp can be arranged by the institution itself with the help of other agencies such as RIICO, Science & Technology Department, Rajcon, DOI etc.

REFERENCE BOOKS :

1.	Hand Book of Small Scale Industry	P.M. Bhandari
2.	Hand Book on Entrepreneurship Development	O.P. Harkut
3.	Entrepreneurial Development	S.S. Khanka
4.	Statistical Quality Control	Mahohar Mahajan
5.	ISO : 9000 Quality System-2000	S. Dalela
6.	ISO :14000	
7.	Organization & Management of Small Scale Industries	Desai J.V. Himalaya, Bombay,1985
8.	Management of Small Scale Industries	3rd, Himalaya, Bombay, 1986
9.	The Story of an Entrepreneur	M. Nath, IMT Monograph

10. Small Industry Entrepreneurs Hand book Services International Mohan K.R., Bombay Productivity
11. Hand Book of Entrepreneurship Learning System 1978 Rao & Pareek, New Delhi,

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TEXTILE FABRICS

CODE CD 302 **L T P**
3 2/2 --

RATIONALE

This subject is essential for a Costume Design student. Textile is related to "Fibre", "Yarn" and "Fabric" which may be taught to the student through this subject. With the help of this knowledge, use of textile design is helpful in costume design & the student will be able to handle the fabric in a better way.

CONTENTS

- 1. Textile Fibres :** **L T P**
15 6
- 1.1 Meaning and Definition of Textile Fibres.
 - 1.2 History & Development of Fibres.
 - 1.3 Classification of Fibres:-
 - 1.3.1 Natural Fibres
 - 1.3.1.1 Animal Fibres
 - 1.3.1.2 Vegetable Fibres
 - 1.3.1.3 Mineral Fibres
 - 1.3.2 Man made Fibres
 - 1.3.2.1 Rayons
 - 1.3.2.2 Polyester (terelene, dacron)
 - 1.3.2.3 Acetate & Triacetate
 - 1.3.2.4 Polyamides (Nylon 6.66)
 - 1.3.2.5 Acrylic (Orlon)
 - 1.4 Characteristics / Properties of above mentioned fibres
 - 1.5 Identification of Textile Fibres:
 - 1.5.1 Visual Inspection
 - 1.5.2 Microscopic Examination
 - 1.5.3 Burning Test
 - 1.5.4 Chemical Test
 - 1.5.5 Elementary knowledge of Blends.
 - 1.6 Uses of different Textile Fibres.

- 2. Yarn Construction :** **18 6**
- 2.1 Elementary processing of different types of Fibre to Yarn:
 - 2.1.1 Cellulosic
 - 2.2.2 Protein
 - 2.2.3 Synthetic
 - 2.2 Characteristics of Yarn
 - 2.2.1 Twist
 - 2.2.2 Size or Count
 - 2.2.3 Count measuring system
 - 2.3 Types of Yarns
 - 2.3.1 Simple
 - 2.3.2 Complex
- 3. Fabric Manufacturing:** **18 6**
- 3.1 Yarn Preparation
 - 3.2 Elementary Weaving Theory
 - 3.3 Fabric Structure
 - 3.3.1 Woven Fabric
 - 3.3.2 Knitted Fabric
 - 3.3.3 Non-Woven Fabric
- 4. Types of Finishes:** **15 6**
- 4.1 Need for fabric processing
 - 4.2 Detailed study of few finishes like bleaching mercerization, calendering, tentering shrinking etc.
 - 4.3 Elementary knowledge of different finishes applicable to different fabrics.
- 5. Dyeing (Elementary Study) :** **12 3**
- 5.1 General Introduction of Dyeing
 - 5.2 Classification of Dyes
 - 5.2.1 Natural Dyes
 - 5.2.1.1 Animal
 - 5.2.1.2 Vegetable
 - 5.2.1.3 Mineral
 - 5.2.2 Synthetic Dyes
 - 5.2.2.1 Direct
 - 5.2.2.2 Acid
 - 5.2.2.3 Basic
 - 5.2.2.4 Sulphur
 - 5.2.2.5 Vat
 - 5.2.2.6 Naphthol
 - 5.2.2.7 Disperse or Acetate

- 5.2.2.8 Premetalised dyes
 - 5.2.2.9 Pigments
 - 5.2.2.10 Mordant
 - 5.5.2.11 Reactive and others
 - 5.3 Factors which Affects Fading of Dyed Fabrics :
 - 5.3.1 Light
 - 5.3.2 Washing
 - 5.3.3 Perspiration
 - 5.3.4 Gas Fumes
 - 5.3.5 Humidity
 - 5.4 Importance of colour fastness for textiles.
- 6. Printing : 12 3**
- 6.1 Meaning of Printing, Difference between Dyeing and Printing.
 - 6.2 Styles of Printing
 - 6.2.1 Direct
 - 6.2.2 Resist
 - 6.2.3 Discharge
 - 6.3 Methods of Printing
 - 6.3.1 Block
 - 6.3.2 Screen
 - 6.3.3 Roller
 - 6.4 Brief knowledge of Batik & Tie and Dye.

REFERENCE BOOKS

- | | |
|---|------------------------|
| 1. Textile Design and colour | Watsons. |
| 2. Fundamental of Textiles & their care | Susheela Dantyagi |
| 3. Costumes and Textile of India | Jamila Brijbhusan Shah |
| 4. Fibre to Fabric. | Carbman. |
| 5. Hand Book of Textiles | Barken |
| 6. Fibre Science | Murphy |
| 7. Textile Fibre | Kaplan |

THEORY OF FASHION - III

CODE CD 303

L T P
3 2/2 --

RATIONALE

This subject tells how the level of the fashion industries, designers and merchandisers work in sequential order from concept to consumer and how all the processes are interrelated.

There is a concentration on fashion, costumes, clothing fundamentals and projects to aid in reviewing the subject matter.

CONTENTS

	L	T
1. Fashion and Style :	9	2
1.1 Definition		
1.2 Classification and Types of Fashion		
1.3 Principles of Fashion		
1.4 Fashion Forecasting Methods and Techniques		
1.5 Influence of Fashion on Personality		
2. Fashion Merchandising :	12	4
2.1 Pre-buying Activities		
2.2 Local and export market analysis		
2.3 Process & Documentation		
2.4 Scope and Concept of Merchandising		
2.5 Quality control		
3. Career in Fashion :	8	2
3.1 Fashion Expert / Designer		
3.2 Consultant		
3.3 Educational		
3.4 Industry		
4. Wardrobe Planning :	12	6
4.1 How to select and wear the clothes.		
4.2 How to select Colours and Patterns		
4.3 To develop good Taste in Clothes.		
4.4 Dressing According to Personality		
4.5 Psychology of Colours		
5. Brief Knowledge of the Following :	14	6
5.1 Fashion Trends		

5.2	Fashion / Trade Fairs		
5.3	Fashion Shows		
5.4	Boutique		
5.5	Garment Production Unit		
6.	Leaders of Fashion :	8	3
6.1	Designers		
6.1.1	High Fashion Designers		
6.1.2	Stylish Designers		
6.1.3	Free -Lance Designers		
6.2	Role of Designer		
6.3	Intuition and Insight		
6.4	Sources of Design Inspiration		
7.	Fabric Design :	9	2
7.1	Types of Motifs		
7.2	Combination of Motifs		
8.	Design for Individual Application for Men and Women.	9	2
9.	Construction Features to Check When Buying :	9	3
9.1	Shirt, Sports Jacket, Trousers, Slacks, Men's Suit, Sports Coat and Children Garments.		
9.2	Safety and Comfort features.		

REFERENCE BOOKS

1.	Treasure of Indian Textiles	MARG.Publication, Bombay
2.	The Encyclopedia of Word Fashion	Banza Books N.York
3.	Vogue- History of 20th Fashion	Bloom Bury Books
4.	McCall's Sewing in Colours	Paul Hamlyn London
5.	History of Indian Textiles	Thomas and Hudson
6.	One World of Fashion	Anna Lee Gold
7.	Costumes of India and Pakistan	S.N.Oar
8.	Traditional Indian Textiles	Thomas and Hudson
9.	Vogue Fitting	Harper and Row Publication, New York
10.	Fashion Merchandising	Elaine Stone, Mc Grawhill book

11.	Clothing Construction and Wardrobe Planning	Lous Macmillan & Co. New York
12.	Fashion Marketing	Mike Easy Black well's Science Ltd.
13.	Fashion Buying	Go Worek
14.	Inside the Fashion Business	Dickers on

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SURFACE ORNAMENTATION - III

CODE CD 304

L T P
-- -- 3

RATIONALE

Embroidery gives creative, decorative and ornamental effect on dress. With the help of this technique the student can give a new look to dress. It has a great value in the market.

CONTENTS

1.	Knowledge of the Appropriate Tools, Machines and Materials for Machine Embroidery.	P
		9
2.	Prepare a file of the following Machine Embroidery Samples with their Characteristics, Special Features and their Uses.	
2.1	Basic Stitches :	24
2.1.1	Running Stitch	
2.1.2	Round Stitch	
2.1.3	Eyelet Stitch	
2.1.4	Cording Stitch	
2.1.5	Satin Stitch	
2.1.6	Raised Satin Stitch	
2.1.7	Long and short Stitch	
2.1.8	Couching	
2.2	Fancy Embroidery :	24
2.2.1	Cut work	
2.2.2	Wool work & Ribbon work	
2.2.3	Applique work	
2.2.4	Patch work	
2.2.5	Imitation Velvet work	
2.2.6	Letters and Monogrames	
2.2.7	Quilting	
2.2.8	Bead and Sequin work	

- 2.3 Prepare the following Articles by using Machine Stitches (minimum three). 33
 - 2.3.1 Cushion Covers
 - 2.3.2 Bed Cover
 - 2.3.3 Wall Hanging / Picture
 - 2.3.4 Dinning Mats
 - 2.3.5 T.V. Covers / Pillow Covers
 - 2.3.6 Any one Dress

Note : 1. **Application of the above according to fashion trends.**
 2. **The Essential Theory should be taught during the Practicals.**

REFERENCE BOOKS

1. The WI Creative Guide to Machine Embroidery	Enid Gratten Guinness
2. The Dictionary of Needle Craft	S.F.A Caultfield & B.C. Saward
3. Quilts Patchwork Samples	Emma Callery
4. Quilts	Susan Kenkin & Linda Seward
5. Machine Embroidery	Clare Carter
6. Reader's Digest for Embroidery	Reader's Digest
7. Picture it in Machine Appliqué	Sure Simmons
8. Traditional Quilting	Isabel Stanley & Jenny Watson
9. Quilting Around the World	Isabel Stanley & Jenny Watson
10. Machine Patchwork	Dorothy Osler

FASHION ILLUSTRATIONS - III

CODE CD 305 **L T P**
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RATIONALE

Fashion signifies changes. The subject presents an overview of what is involved in studying and becoming a designer in the contemporary fashion industry. This shows how the creativity is being processed, innovated and practiced.

CONTENTS

P

Sketch the following garment design for Gent's according to

different age groups in different suitable medium according to fashion with special features of the dress co-ordinating the design with drafting and garment construction.

- 1. Casual Wear- No of sketches -15 18
- 2. Formal Wear -No of sketches -15 23
- 3. Prepare two Posters with Collage of Fashion Figures According to Suitability. 12
- 4. Illustration of different types of Fabrics Suiting, Shirting and Hosiery in Suitable Medium. 24
- 5. Design and Paint Dress on Fashion Figures According to Fabric Swatches. 18
- 6. Computer Aided Dress Designing & Application of Fashion on different Poses using Illustrator, Photoshop or other related software. 40
- 7. Portfolio & Presentation. 15

Note :- 1. **All sheets should be of 1/4 Imperial Size.**
 2. **The Essential Theory should be taught during the Practicals.**

REFERENCE BOOKS

1. The Art of Costume Design	Marilyn Sotto
2. How to Draw and Paint Fashion	Walter T
3. Children Clothes	Conran Octopus
4. Kiddy's Fashion	Wongs Wary Press
5. Men's Hi Fashion	Pioneer Books Co.
6. Mc'calls Vogue & Simplicity	Monthly Magazine
7. Chirag	Mahesh N Bhakta
8. Impression	Sharad Shah
9. CAD in Clothing and Textiles	Winfred ALdrich
10. Computer's in the Fashion Industry	Taylor P

GRADING

CODE CD 306	L	T	P
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RATIONALE

This subject communicates how to prepare the commercial paper pattern which are used in manufacturing unit. It also tells how to prepare graded paper pattern in various methods.

CONTENTS

		P
1. Introduction to Grading :		6
1.1 Definition		
1.2 Importance		
1.3 Uses		
1.4 Methods		
2. Grading of Different Types of Sleeves :		12
2.1 Set in Sleeve.		
2.2 Kimono Sleeve		
2.3 Raglon Sleeve		
3. Grading of Different Types of Collars :		24
3.1 Flat Collar		
3.2 Stand Collar		
3.3 Rolled Collar		
4. Grading and Measurement Charts of Following Garments in three Different Sizes :		48
4.1 Frock		
4.2 Skirt		
4.3 Top		
4.4 Shirt		
4.5 Pants		
4.6 Kalidar Kurta		
5. Practice of Drafting & Grading with Computers (Related Software eg. Tuka CAD)		21

- Note :**
1. Prepare a drafting file of all the above listed topics.
 2. The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS :

1. Metric Pattern Cutting for Children's Wear	Winifred Aldrich
2. Metric Pattern Cutting for Women's Wear	Winifred Aldrich
3. Metric Pattern Cutting for Men's Wear	Winifred Aldrich
4. Sizing Pattern Construction & Grading for Women's & Children's Garments	Philps Kunick Ltd. London.
5. Computer Aided Drafting and Design- Concept and Application	Veisinet D D
6. Pattern Grading for Children Clothes	Gerry Cooklin
7. Pattern Grading for Women's Clothes	Gerry Cooklin
8. Pattern Grading for Men's Clothes	Gerry Cooklin

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APPLIED CRAFT

CODE CD 307	L	T	P
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RATIONALE

This subject is endeavored to introduce in one volume most of the crafts & their techniques. Depicting the historical development and its step by step procedure.

CONTENTS

Brief theoretical knowledge should be given of all following topics:-	P
1. Fabric Painting	9
2. Printing :	27
2.1 Block Printing	
2.2 Stencil Printing	
2.3 Screen Printing	
3. Dyeing :	21
3.1 Tie & Dye	
3.2 Batik	
4. Crochet - Laces & Patterns.	12
5. Macramé Work.	12
6. Soft Toys.	9

- Note :**
1. Prepare a Sample file
 2. Prepare one article from each topic
 3. The Essential Theory should be taught during the Practicals.

REFERENCE BOOKS :

1. Fabric Painting	Slamandin Book, London
2. Textile Printing & Dyeing	Renold Publication, London
3. Tie and Dyed Textiles of India	Mapen Publishing Ahmedabad
4. The Craft Tradition of India	Jaya Jaithley
5. Handicrafts of India	Kamla Devi Chattopadhyay
6. Batik Design	Pipin Van Roojan
7. Soft Toys	Hamlyn
8. Soft Toys	Sharon Welch's
9. Soft Toys	Gail Attwell
10. Treasury of Crochet Techniques and Patterns	Marshall Cavendish
11. Crochet	Ed. of ladies home Journal Needle Craft
12. The Techniques of Macramé	Bonny Schurid Barlson

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DRAFTING AND GARMENT CONSTRUCTION - III

CODE CD 308	L	T	P
	2	--	8

RATIONALE

This subject of sewing is compared to the classic art of sculpture. The sculptor involves himself in his medium, sewing demands the same involvement with a medium touching, appraising and working with fabric, mouldes and shapes into a three dimensional design. Men's wear consist of fine, intricate and technical sewing

CONTENTS

1. Measurement Charts for Gent's.	L	P
	2	3
2. Drafting of the following Gent's Basic blocks :	6	9
2.1 Bodice block		
2.2 Hip block		
2.3 Sleeve block		
3. Trying, Fitting and their Methods :	6	6
3.1 Importance of Trying on		
3.2 Methods of Trying on		
3.3 Use of Dummy		
4. Pressing :	8	6
4.1 Definition & Meaning of Pressing		
4.2 Pressing equipments and aids		
4.3 Points to be considered while pressing		
4.4 Pressing, Folding and Packing of various garments.		
5. Fitting problems and alterations in Gent's garment.	6	6
6. Drafting & Pattern Making of all the following garments according to fashion :	9	48
6.1 Causal Wear- 3 to 5		
6.2 Formal Wear -3 to 5		
List of Garments		
1. Pyjama (Plain & Aligarhi)		
2. Kurta (Plain & Kalidar)		
3. Night Suit		
4. Gown		
5. Shirt (Half & Full Sleeve)		
6. Pants		
7. Jacket		
8. Sherwani		

7. **Estimation and Layout, Cutting, Stitching & Finishing of all the above Listed Garments.** 21 156
8. **Practice of any one Garment with Draping Method. 2** 6

REFERENCE BOOKS :

- | | |
|--|----------------------------|
| 1. Metric Pattern Cutting for Men's Wear | Winifred Aldrich |
| 2. Dress Fitting | B.S.P. Professional London |
| 3. Vogue Fitting | Harper & Row |
| 4. Singer Sewing Book | Singer & Row |
| 5. Make Your own Dress Pattern | Prende Red smile |
| 6. Cutting and Tailoring (Vol-I) | Ishwar Anwani |
| 7. Introduction to Clothing Manufacture | Cooklin Gerry |
| 8. Men's Hi Fashion | Pioneer Book Company |

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PROJECT

Project work shall be assigned to the student at the start of III year classes, registered as per B.T.E.R. Rules & Regulation and will be carried out after the final Examination for 3rd year, for twenty four continuous working days.

The project can be assigned to the students individually or in groups. Project work shall consist of the actual task and the report writing. The actual task may be of different nature like designing, fabrication, survey and studies in market / organisation, etc. Some other problems may be given as per the need and local conditions. Facilities of computer may be utilized for the project work.

It is further advised that the topics of the project may be decided at the beginning of the IIIrd year. The students may also be encouraged to collect material and do preparatory work during the year of study.

At the end of the project, a project report should be submitted by each student before the final assessment. The assessment of the project should be of continuous nature through out the project duration. The final assessment will be done immediately after completion of project by examiners on the basis of project report, work done during the project and viva - voce.

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JOB OPPORTUNITY FOR COUSTUME DESIGN & DRESS MAKING

The field of costume design and dress making is very vast and compels and incorporates many parts of related industries. This field mainly deals with the design, production distribution and making of clothing and accessories for children, men and women. It employs millions of workers and needs the talents of creative, fashion minded people who have the necessary training. Hence positions and career opportunities are varied as follow:-

1. **Fashion Designer** : Fashion designer create ideas for new styles of clothing and accessories.
2. **Assistant Designer** : Is responsible for following through on the designer's ideas by supervising every detail of production.
3. **Sketcher** : Sketchers may be asked to meet customers, assist with presentation of new collections and deals with buyers.
4. **Pattern Makers and Graders** : Pattern makers and graders are able to visualize from the design sketch or sample the shape , size and number of pattern-pieces needed for a design, so job opportunities are very vast in this field also.
5. **Fashion Merchandiser** : The opportunity is direct by responsible for beyers and functions as a consultant, teacher, director, guidance conselor and mentor.
6. **Fashion Co-coordinator** : This field many focuses job opportunities in advising and sales promotion departments and handles fashion shows.
7. **Lectures, Instructors, Lab Technicians** : in many government and non-government institutes give new horizons to this field by teaching and endancing the skill of their students in respective fields.
8. **Entrepreneurs** : Why not ? more and more men and women are becoming entre premenas. You can become a successful entreprencure in your field by a were organised and good detail by a well organized and good detail knowledge of job, distributions choosing and buying from manufactures and getting started your business after obtaining solid experience in this field and to give employment to other trainees also.
