

**Raja Mansingh Tomar Music & Arts University, Gwalior, M.P.**  
**Bachelor of Design Fashion Design Syllabus (Four Years)**

**SUBMISSION DETAILS (PRACTICAL)**

**B. DESIGN FASHION DESIGN YEAR I**

**Semester – I**

SUBJECT	SIZE	MIN. ASSIGNMENT	TOPIC & MEDIUM
Sketching	¼	9 6 Total - 15	Pencil, Color Pencil Water Color, Poster Color
Composition	¼	10	Color Pencil, Water Color, Poster Color
Material Study	A4	10	Paper, Clay, Wood, Glass, Glass Beads
Sewing Techniques I	4" X 4"	30	Fabric, Pencil

**SCHEME OF EXAMINATION**

**B. DESIGN FASHION DESIGN YEAR I**

**Semester – I**

Paper	Time	Size	Ext. Marks	C.C.E.	Total
Fundamental of Design	3 Hrs.	-	70	30	100
History of Fashion - Ancient India	3 Hrs.	-	70	30	100
Basics of Fashion	3 Hrs.	-	70	30	100
				Total	300
Practical			Ext. Marks	Internal Assignment	
Sketching	6 Hrs.	¼	60	40	100
Composition	3 Hrs.	¼	60	40	100
Material Study I	3 Hrs.	A4	60	40	100
Sewing Techniques I	3 Hrs.	4" X 4"	60	40	100
				Total	400
				<b>Grand Total</b>	<b>700</b>

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**B. DESIGN FASHION DESIGN YEAR I**  
**SEMESTER – I**

**PAPER – I (THEORY) – FUNDAMENTAL OF DESIGN**

**UNIT 1**

- Line: Definition of Line, Lines and Visual Illusion, Line and Impression, Different Types of Lines and Drawings, Development and Possibilities of Line Drawings, Knowing the Tools and Materials, Drawing – Its Evolution and Possibilities, Line-Visual Kinetics (Flow and Weight), Energy and Lines, Other Values of Line
- Form: Definition of form, Classification, Impression, Visual and Formal Weight and Colours, Forms and Proportion, Form and content, Form and Space
- What is Color? – Physiology, How light gives objects colors, Factors in perception, Local, Optical and Arbitrary Colors, Color Systems and Color Wheels – The Pigment Wheel, The Process Wheel, The Munsell Wheel, The Light Wheel, The Visual Wheel, Coloring Agents – Additive Color Mixing, Subtractive Color Mixing, Dimensions of Color – Hue, Value, Intensity, Temperature, Color in Compositions – Rhythm, Balance, Proportion, Scale, Emphasis, Harmony, Transparency, Volume Color, Film Color, Intensity and Space, Line, Texture, Light, Contrast, Shadows, The Influence of Color – Color Symbolism, How Color Influences Life, Color Association in Language and Emotion, Influences of the Dimensions of Color

**UNIT 2**

- Tone: Definition, Classification, Impression, Tone-Its Importance and Application, Emotional Aspects of Tone, Relation of Tone with Space
- Texture: Meaning and Definition, Classification, Texture and Space, Texture and Principles of composition, Texture Creating Tools and Ways of Creating Texture, Texture Exploration, Texture and Painting, Texture and Sculpture
- Space: Definition, Space Division, Theories/Principles Relating Space, Division, Role Of Space (Negative/Passive, Passive/Active, Neutral/Assisting and Their Importance), Organization Of Form and Its Relation To Space

**UNIT 3**

- What is composition (general meaning and definition)
- Unity: Definition, object, unity and vision, unity and visitor, unity and relativity, unity creation in painting, unity and opposite (discord)
- Harmony: Definition, line-harmony, form-harmony, texture-harmony, conceptual harmony, colour harmony, process of harmony creation

**UNIT 4**

- Balance: definition, balance and visual weight (line, form, colour and tone), principles of balances, etc.
- Dominance: Definition and object, fundamentals, dominance and background, ways to create dominance point of interest in a painting space.
- Rhythm: Definition, different types, ways of creating rhythm, feeling of rhythm.

**UNIT 5**

- Proportion – Definition, Proportion and space division, form and proportion, colour and proportion, human forms and proportion
- Medium and methods – All about painting medium and methods relating to creation
- Drawing and rendering – Definition, problem relating two-dimensional drawing and rendering, and three dimensional effects, do's and don'ts in it.

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**Suggested Reading**

1. Color by Edith Anderson Feisner
2. Fashion Design by Felicity Everett
3. Art Fundamentals: Color, Light, Composition, Anatomy, Perspective, and Depth by 3DTotal Team (Author), Gilles Beloeil, Aandrei Riabovitchev & Roberto F. Castro

**PAPER – II (THEORY) – HISTORY OF FASHION – ANCIENT INDIA**

**UNIT 1**

- Ancient India Civilizations – Indus Valley Civilization (3000 – 1500 B.C.), Aryan Civilization, Vedic and Epic Periods (1500 – 500 B.C.) – Clothing, Entertainment, Food, Toys, Ornaments, Daily Lives

**UNIT 2**

- Mauryan and Sunga Periods - History and Social Life, Costume Men and Women, Headgear and Hairstyles, Jewellery, Military Costume, Religious Persons, Textiles and Dyes, Style, Illustration of Men and Women Costumes

**UNIT 3**

- Satavahana (andhra) Period (200 B.C. – A.D. 250) - History and Social Life, The Royal Way of Life, Early Satavahana, Late Satavahana (100 B.C –A.D 250), Illustration of Men and Women Costumes
- Kushan Period - Introduction of Kushan Empire, Costume: Men and Women, Headgear and Hairstyles: Men and Women, Jewellery, Military Costume, Religious Persons, Textiles and Dyes, Style, Illustration Of Men and Women Costumes

**UNIT 4**

- Gupta Period - History and Social Life, Costumes: Men and Women, Headgear and Hairstyles, Jewellery, Military Costume, Religious Persons, Textiles and Dyes, Styles, Illustration of Men and Women, Costumes, Age of Empires Daily Life (500 B.C – 647 A.D)

**UNIT 5**

- Mughal Period – Introduction, Hindu Court Clothing, Sultanate Clothing, Textile Trade

**Suggested Reading**

1. Ancient Indian Costume - by Roshen Alkazi

**PAPER – III (THEORY) – BASICS OF FASHION**

**UNIT 1**

- The Language of Fashion - Fashion Today, Fashion and Traditional Costume, Prescribed Clothing and Modern, Democracy, Women Fashion and Men's Fashion
- Fashion Between Art and Commerce, Fashion and Body, Fashion as a Paradigm in our culture
- Fashion Terminology - Introduction, Style, Design, Taste, Classics, Fad, Ford, Fashion Look, Accessories, Fashion Trends, Fashion Season

**UNIT 2**

- The Intangibles of Fashion – Acceptance, Change, the Futility of forcing change, Meeting the demand for change, Components of fashion change, Why fashion change
- Fashion Development and Movement - Retailing doing 19th century, Changes caused by leisure, communications and industry, Effects of World War – I, Importance trend setting designers, Retail expansion in the early 20<sup>th</sup> Century, Effects of depression of fashion, Effects of World War II on fashion, Youth directed 1960s, Anti-fashion late 1960s and 1970s, The acquisitive 1980s, The Value oriented 1990s, the 21st Century

**UNIT 3**

- Fashion Movement – Principles OF Fashion

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**UNIT 4**

- Theories of Clothing Origin - Protection theory, Modesty Theory, Self-Adornment Theory, Combined Need Theory
- Theories of Fashion Adoption - Trickle-down Theory (Traditional Fashion Adoption), Trickle-across theory (Mass Dissemination), Trickle-up Theory or Bottom-up Theory (Reverse Adoption)

**UNIT 5**

- Fashion Cycles –
  1. Stages of the fashion cycle – Introduction, Increase in popularity, Peak of popularity, Decline of popularity, Rejection of popularity.
  2. Length of fashion cycles - Cycles for long-lived fashions, Cycles for short-lived fashions, Breaks in cycles, Cycles within cycles, Recurring cycles
  3. Fashion leaders and followers - Fashion leaders, Fashion motivations, Fashion innovators, Fashion victims, Fashion Followers

**Suggested Reading**

1. Fashion: From Concept to Consumer by Gini Stephens Frings
2. Fashion Design Course: Principles, Practice and Techniques: The Ultimate Guide for aspiring Fashion Designers by Steven Faerm

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**B. DESIGN FASHION DESIGN YEAR I**

**SEMESTER – I**

**PRACTICAL**

**PRACTICAL I – SKETCHING**

- Still Life - Study of various objects in pencil and color (cube, sphere, cone, etc.)
- Study of drapery, pots, jugs, glass, random objects.
- Study of various forms of nature – leaves, flowers, plants, fruits, etc.
- Texture Study
- Mannequin with Proportions – Male and Female
- Front, Profile, Side and Back View

**Suggested Reading**

1. Light, Shade and Shadow (Dover Art Instruction) by E. L. Koller
2. How to Draw What You See (Practical Art Books) by Rudy De Reyna
3. Bridgman's Complete Guide to Drawing from Life by George B Bridgiman

**PRACTICAL II – COMPOSITION**

- Color Study – The Pigment Wheel, The Process Wheel, The Munsell Wheel, The Light Wheel, The Visual Wheel
- Study of Figures – Human, Animals, Birds, Use of organic and geometrical combination forms in two-dimensional space.
- Creative Composition with Natural and Man Made Forms (line, texture)
- Development of Textures, Understanding to Illustrate Different Types Of Textures

**Suggested Reading**

1. Color by Edith Anderson Feisner

**PRACTICAL III – MATERIAL STUDY I**

- To develop an understanding of behavior, characteristic, properties, dimensionality, physical and visual potential of the basic materials (Solid, Plainer, Linear and Granular)
- To educate and create an interest for material and their potentials through manipulations
- Orientation of basic hand tools, cutting tools and techniques to manipulate following materials
  1. Wood
  2. Plastic
  3. Metal
  4. Glass
- To be able to manipulate specified materials –
  1. Paper
  2. Clay
  3. Textiles
  4. Leather
  5. Wax

**Suggested Reading**

1. Sculpture: Tools, Materials and Technique by Wilbert Verhelst

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**PRACTICAL IV – SEWING TECHNIQUES I**

- Classification of Sewing Machines and their applications
  - Sewing machine bed types
  - Basic sewing machines
  - General Sewing
  - Over locking machine
  - Blind Stitching machine
  - Button hole machine
  - Button Sewing machine
  - Bar tacking machine
  - Needle basic structure and types
- Thread sizing - Seam Properties, Appearance and performance, Classification of Finishing Equipment's and its applications.
- Introduction to Sewing Machines attachments and their applications.
  - Edge Guides
  - Compensating foot / specialized presser foot
  - Stitching Jig
- Folders and Binders
- Make Hand Samples of the following –
  - ❖ Paper exercise - To be able to construct various parts of garments
  - ❖ Introduction to hand and machine seams and seam finishes on woven fabric.
  - ❖ Seams and seam allowance (Woven and Knit Fabrics) - Plain, Press open, Felt / Edge stitch, Welt Seam (Feed of Arm) Double Top stitch, Tuck seam, Slot, French, Lapped, Piped, Cord, Fagotted.
  - ❖ Seam and Hem Finish (Woven and Knit Fabrics) - Over-lock, Stitch and cut, fold and stitch, Hong Kong bound, Bias Bound seam, Hemming (Visible and Invisible)
  - ❖ Facings – Fused, Un-fused and Bias.
  - ❖ Waistband - Fused, Un-fused, Elasticized – Shaped Waist Band, Straight Waist Band
  - ❖ Seam types – Class 1, 2, 3, 4, 5, 6. Their basic diagrams and usages
  - ❖ Fasteners – Zippers (Visible, Invisible) – Central Zip and Fly Zip, Button and Button Hole, Hook and Eye, Press button, Rivets, Eyelets and Draw Strings, Velcro

**Suggested Reading**

1. The Sewing Book (Dk) by Alison Smith
2. Complete Book of Sewing by Alison Smith

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**SUBMISSION DETAILS (PRACTICAL)**

**B. DESIGN FASHION DESIGN YEAR I**

**Semester – II**

SUBJECT	SIZE	MIN. ASSIGNMENT	TOPIC & MEDIUM
Introduction To Fashion Illustration	A3	15	Pencil, Pencil Color, Water Color, Other Mediums
Computer Applications I	-	30	On Computer
Technical Drawing	A3	15	Pencil
Sewing Techniques II	4" X 4"	45	Fabric

**SCHEME OF EXAMINATION**

**B. DESIGN FASHION DESIGN YEAR I**

**Semester – II**

Paper	Time	Size	Ext. Marks	C.C.E.	Total
History of Fashion - Modern India	3 Hrs.	-	70	30	100
Introduction to Textiles	3 Hrs.	-	70	30	100
Principles of Management	3 Hrs.	-	70	30	100
				Total	300
Practical			Ext. Marks	Internal Assignment	
Introduction to Fashion Illustration	3 Hrs.	A3	60	40	100
Computer Applications	3 Hrs.	-	60	40	100
Technical Drawing	3 Hrs.	A3	60	40	100
Sewing Techniques II	3 Hrs.	4" X 4"	60	40	100
				Total	400
<b>Grand Total</b>					<b>700</b>

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**PAPER – I (THEORY) – HISTORY OF FASHION – MODERN INDIA**

Study the history of fashion, costumes, Socio Physical Aspects of Clothing & lifestyles in the following states –

**UNIT 1**

- East – Jammu & Kashmir, Punjab, Rajasthan, Gujarat, Maharashtra

**UNIT 2**

- West – Orissa, Bihar, Arunachal Pradesh

**UNIT 3**

- Central – Madhya Pradesh, Chhattisgarh

**UNIT 4**

- North - Himachal Pradesh, Assam, Manipur, Meghalaya, Sikkim, Nagaland

**UNIT 5**

- South – Tamil Nadu, Andhra Pradesh, Kerala

**SUGGESTED READING**

1. Traditional Indian Costumes and Textiles by Parul Bhatnagar
2. Indian Costumes II - Patkas : A Costume Accessory - In the Collection of the Calico Museum of Textiles by B.N. Goswamy

**PAPER – II (THEORY) – INTRODUCTION TO TEXTILES**

**UNIT 1**

- Introduction to Fiber Theory, Properties and Classification - What is fiber, their properties, and classification
- Cellulose Fibers - Areas Of Production, Processing (From soil to mill), Fiber Properties, Waste Fibers Processing, Properties Of Linen
- Protein Fibers – Wool, Types and kinds of Wools, Fiber Properties, Specialty Wools, Silk, Types of Silk
- Mineral Fibers – Asbestos, Man – Made Mineral Fibers: Glass Fiber
- Man Made Fiber - Manufacture of Man Made Fiber, Synthetic Fibers, Types of Nylon, Polyester, Acrylic, Spandex
- Man - Made Regenerated Rayon, Viscose, Cuprammonium, Man-Made Cellulosic, High Wet Modulous Rayon, Cuprammonium Rayon, Lyocell, Accetate, Triacetate – Production, Azlon, New Fibers
- Burning Characteristics of Fibers

**UNIT 2**

- Yarns: Introduction, Types-ply yarns, novelty yarn, textured yarn. Manufacturing process- spinning systems, Properties- yarn twist, yarn numbering, yarn hairiness, yarn diameter and its application in apparel.

**UNIT 3**

- Fabric forming methods: Weaving, knitting, netting and non-woven's and its application in apparel.

**UNIT 4**

- Introduction to basic weaves: plain, twill and satin, Classification, introduction, advantages and disadvantages

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- Introduction to basic knits: warp and weft knitted, Classification, Introduction, Advantages and disadvantages.

**UNIT 5**

- Comparison between knits and woven

**Suggested Reading**

1. Understanding Textiles: United States Edition by Billie J. Collier and Martin Bide
2. Understanding Fabrics: From Fiber to Finished Cloth (Language of Fashion Series) by Debbie Ann Gioello
3. Fabric for Fashion: The Complete Guide: Natural and Man-made Fibers by Clive Hallett (Author) & Amanda Johnston
4. Fabric Reference Paperback by Mary Humphries
5. Textiles: Fiber to Fabric by Bernard P. Corbman

**PAPER – III (THEORY) – PRINCIPLES OF MANAGEMENT**

**UNIT 1**

- Management - Concept of Management, Nature and Characteristics of Management, Principles of Management, Purpose and Social Responsibility of Management, Evolution of Management, Ethics and Social responsibilities in management

**UNIT 2**

- Planning – Definitions, Nature or Characteristics of Planning, Six P's of Planning, Needs for Planning, Principle of Planning, Characteristic of a Good Plan, Types of Planning, Advantages of Planning, Limitation of Planning, SWOT Analysis

**UNIT 3**

- Motivation - Types of Motivation, Importance of Motivation, Techniques to Increase Motivation, Financial Motivators, Non-Financial Motivators
- Delegation of Authority - Theories of Authority, Definition of Delegation, Characteristics of Delegation, Elements of Delegation, Types of Delegation, Difficulties involved in Delegation of Authority

**UNIT 4**

- Leadership - Characteristics of Leadership, Leadership Functions, Importance of Leadership in Management, Techniques of Effective Leadership
- Departmentation – Need and Significance of Departments, Advantages of Departmentation, Limitations of Departmentation, Factors Influencing Assigning Of Activities

**UNIT 5**

- Communication - Meaning and Definition, Characteristics: Nature of Communication, Elements of Communication, Need or purpose of Communication, Importance of Communication
- Controlling – Definition, Characteristics of Control, Requirements of a control system, Importance of Control, Limitation of Control
- Finance- Functions, goals, source, break- even analysis and profitability.

**Suggested Reading**

1. Essentials of Management: An International and Leadership Perspective by Harold Koontz and Heinz Weihrich
2. Principles of Management by P C Tripathi and P N Reddy

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**B. DESIGN FASHION DESIGN YEAR I**

**SEMESTER – II**

**PRACTICAL**

**PRACTICAL I – INTRODUCTION TO FASHION ILLUSTRATION**

- Different Color Medium and Presentation of Illustration
- Drawing of Male, Female and Kids fashion figure.
- Different views such as Front, Back, Side and 3/4th.
- Drawing body details with different movements - Multiple Poses
- Drawing arms, legs, feet, palm, and different positions.
- Drawing different face positions such 3/4th, front, side.
- Facial details like eyes, nose and lips.
- Drawing various Fashion elements to form a garment such as, types of sleeves, necklines, pockets, cuffs, collars, yokes, waist bands, bows and ties, frills and flounces, etc.
- Drawing and combining different Fashion elements on a Fashion figure to make a good Design.

**Suggested Reading**

1. Fashion Illustration: Inspiration and Technique by Anna Kiper
2. Fashion Illustration Art: How to Draw Fun and Fabulous Figures, Trends and Styles by Jennifer Lilya
3. Figure Drawing for Fashion Design (Pepin Press Design Books) by Elisabetta Drudi and Tisiana Paci
4. 9 Heads: A Guide to Drawing Fashion by Nancy Riegelman
5. Advanced Fashion Sketch Book by Bina Abling
6. Illustrating Fashion: Concept to Creation by Steven Stipelman

**PRACTICAL II – COMPUTER APPLICATIONS**

• **VECTOR BASED SOFTWARES**

➤ **COREL DRAW**

1. Introduction to CorelDraw Interface, Starting and opening drawings, Undoing, Redoing, and repeating actions, Saving and Closing Drawings, Importing and exporting files
2. Specifying the page layout, drawing various Shapes, working with lines, outlines and brush strokes,
3. Selecting objects
4. Zooming and Panning, Transformations, Different types of Fills, Arranging Objects, Shaping Commands
5. Editing Nodes, Different Views, Working with Text, Adding Effects to Objects
6. Introduction about Elements of Fashion(Digital)
7. Image editing – Background Changing, Garment Exchange, Body Tracing, Body Rendering, Garment Tracing, Garment Rendering
8. Development and rendering of fashion garment with details

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➤ **ILLUSTRATOR**

1. Vector Graphics and Bitmap Images
2. Colour Modes
3. Create, Save and Customize a New File
4. Open File with Open Palettes
5. Tools , Type Tool
6. Create A New File – Page Setup
7. Scan In, Place, Trace and Expand Image of Child Croquies
8. Set Up, Create and Lock Layers, Guide Lines
9. Drawing A Dress
10. Export The Technical Drawing To JPEG Format
11. Croquis – Child
12. Croquis – Toddler
13. Creating Silhouettes – Female Youth Croquis
14. Creating A Library Of Basic Garment Shapes
15. Technical Drawing
16. Brush Strokes
17. Masking A Brush Stroke
18. Expanded Brush Strokes and Trims
19. Female Garment Symbols
20. Male Garment Symbols
21. Croquis – Adults
22. Croquis – Youth
23. Rib Top: Pattern Fills with Scanned Fabrics, Opening A Saved Brush Library, Binding, Beading Trim
24. X-Over Top: Opening A Swatch Palette, Pattern Swatch Colour Change and pencil Tool
25. Yarn-dyed Stripe Top: Creating A Pattern With A Scanned Image, Rotating A Pattern Swatch In A Garment
26. Skirt: Creating A Webbing Brush Stroke, Creating An Embroidery Brush Stroke
27. Jacket: Two Colour Brush Stroke, Gradient Colour Change, Masking The Badge
28. Shorts: Denim Wash and Mesh Tool
29. Dress: Broderie Anglaise Pattern Fill and Brush Stroke, Scallop Edge Brush Stroke
30. Background Flowers – Masking
31. Background Flowers – Luminosity and Type
32. Final Story Board
33. Male Croquis Development
34. Story Board 1: Layers and Composition, Rasterize and Grayscale, Masking, Tee Shirt Layers, Scribble Effect, Text, Stylised, Colour Swatches
35. Story Board 2: Tee Shirts and Placement Prints, Pencil Tool, Arranging and Copying Layers, Downloading Fonts and Clipart
36. Story Board 3: Denim Colour Change and Wash Effects, Gradient Mesh, Transparency Palette, Grayscale and Adjusting colours
37. Female Croquis Development
38. Story Board 4: Adobe Photoshop, Adobe Illustrator, Technical Drawing – Pattern Fill, Pattern Brush, Drop Shadow, Digital Photograph Editing
39. Story Board 5: Layers and Composition, Digital Photo and Scanned Photo, Edit Garment, Stylise Croquise, Colour Swatches and Details

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40. Story Board 6 – Corporate Hospitality Wear
41. Story Board 7 – Corporate Resort Wear
42. Male Croquis Development: Computer Drawing, Pose Variation, Reflect Pose, Dress Figure
43. Story Boards 8 and 9 – Underwear: Pattern Fabric Repeats, Pucker and Bloat Tool
44. Female Croquis Development: Creating A Cartoon Figure, Silhouette and Detail, Face and Hair

**Suggested Reading**

1. Fashion Designer's Handbook for Adobe Illustrator by Marianne Centner
2. Corel DRAW X7 in Simple Steps by Kogent Learning Solutions Inc.
3. Corel Draw: Graphics Suite X4 by M.C. Sharma

**PRACTICAL III – TECHNICAL DRAWING**

- Introduction of Technical Drawing. Concept of drafting and geometrical nomenclature
- Proportion Systems. – Geometrical study of the environment
- Geometrical Construction–Division of lines and Angles, Arcs and Continuous Curve, Tangents, Conic Sections, Regular Polygon, Spirals, Proportion Systems.
- 2 Dimensional Figures and 3 Dimensional figures
- Orthographic and Metric Projections
- Perspective Sketching - Fundamentals of perspective, One point and Two Point Perspective, Eye Level and Vanishing Point

**Suggested Reading**

1. Technical Drawing for Fashion: A Complete Guide by Basia Szkutnicka
2. Fashion Illustration Techniques: A Super Reference Book for Beginners by Zeshu Takamura
3. Flats: Technical Drawing for Fashion (Portfolio Skills) by Basia Szkutnicka
4. Perspective Drawing Handbook (Dover Art Instruction) by Joseph D Amelio
5. Perspective Drawing: A Designer's Method by Robert Philip Gordon
6. Fashion Illustration: Inspiration and Technique by Anna Kiper

**PRACTICAL IV – SEWING TECHNIQUES II**

- Make Machine Samples of The Following -
  - Facings – Fused, Un-fused and Bias.
  - Waistband - Fused, Un-fused, Elasticized
  - Seam types – Class 1, 2, 3, 4, 5, 6. Their basic diagrams and usages
  - Fasteners – Zippers (Visible, Invisible), Button and Button Hole, Hook and Eye, Press button, Rivets, Eyelets and Draw Strings, Velcro
  - Facing, Plackets and Openings - Slit, Button and Button Hole, Continuous, T shirt, Kurta plackets.
  - Tucks, pleats, gathers, Pockets–Patch, Flap, Box, Fasteners – Zippers (Visible, Invisible), Button, Hook and Eye, Press button, Rivets, Eyelets and Draw Strings, Velcro.

**Suggested Reading**

1. The Sewing Book (Dk) by Alison Smith
2. Complete Book of Sewing by Alison Smith