OUTLINES OF TESTS SYLLABI AND COURSES OF READING

FOR

Bachelor of Vocation (Fashion Technology and Apparel Design)

Session 2017-18

(1st to 6th Semester)
**SCHEME OF B.Voc.(Fashion Technology and Apparel Design)**

*(SEMESTER SYSTEM)*

<table>
<thead>
<tr>
<th>Paper Code</th>
<th>Title</th>
<th>Generic/ Skill Component</th>
<th>Theory/ Practical</th>
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<td>*GEN-101</td>
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<td>Basic Elements of Design</td>
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<td>Basic Sewing Techniques</td>
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**SEMESTER II**

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<td>Soft Skills and Personality Development</td>
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<td>Pattern Making and Draping</td>
<td>Skill</td>
<td>Theory &amp; Practical</td>
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<td>Concepts of Fashion and Apparel Design</td>
<td>Skill</td>
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<td>FTD-205</td>
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*Refer to Generic Components Common to all B.Voc. Courses** Summer Industrial Training of 4-6 weeks in a relevant Industry after 2nd Semester Examinations during summer break. Training report by the student to be submitted within in one week of start of 3rd Semester. Viva-Voce examination to be held within 3-weeks of the start of 3rd semester.

**Job Role:**

**Level 4- Assistant Designer**

**Level 5- Sampling Coordinator**
**Semester III**

<table>
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<td>*GEN 301</td>
<td>Value Education And Human Rights</td>
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<td>E-Commerce</td>
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<td>Apparel Industry &amp; Quality Control</td>
<td>Skill</td>
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<td>FTD - 304</td>
<td>Fundamentals of Marketing &amp; Fabric Technology</td>
<td>Skill</td>
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<td>FTD - 305</td>
<td>Computer Aided Designing (CAD)</td>
<td>Skill</td>
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**Semester IV**

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<td>Environmental Studies</td>
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<td>Fabric Handling &amp; Raw Materials</td>
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<td>FTD - 404</td>
<td>Design Development &amp; Merchandising</td>
<td>Skill</td>
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<td>Summer Industrial Training</td>
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*Refer to Generic Components Common to all B.Voc. Courses*

** Summer Industrial Training of 4-6 weeks in a relevant Industry after 4th Semester Examinations during summer break. Training report by the student to be submitted within one week of start of 5th Semester. Viva-Voce examination to be held within 3-weeks of the start of 5th semester.**

**Job Role:------Industrial Engineer(IE) Executive**
### Semester V

<table>
<thead>
<tr>
<th>Paper Code</th>
<th>Title</th>
<th>Generic/ Skill Component</th>
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<td>Critical Thinking and Elementary Statistics</td>
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<td>GC- 502</td>
<td>Introduction To Research Methodology And Report Writing</td>
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<td>Pattern Development and Advance Draping</td>
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<td>FTD - 504</td>
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<td>FTD - 505</td>
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Note: Winter Industrial/ In-house Training of 2-3 weeks in a relevant area after 5th Semester Examinations in winter break.

### SEMESTER VI

<table>
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<tr>
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<th>Title</th>
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<td>Entrepreneurship Development Programme</td>
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<td>FTD- 604</td>
<td>Apparel Construction Advance techniques</td>
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<td>Portfolio Development</td>
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<td>**SIT- 601</td>
<td>Winter Industrial/ In-house Training and Comprehensive Viva</td>
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*Refer to Generic Components Common to all B.Voc. Courses**Winter Industrial/ In-house Training of 2-3 weeks done after 5th Semester Examinations and before start of 6th semester. Training report by the student to be submitted within in one week of start of 6th Semester. Viva-Voce examination to be held within 3-weeks of the start of 6th semester.

Job Role:---- Online Sample Designer
SEMESTER I

Paper Title: FTD 103 BASIC ELEMENTS OF DESIGN

Theory: 40

Internal Assessment: 10

Time: 3 hours

Job Role: Level 4- Assistant Designer

Level 5- Sampling Coordinator

Objectives:

1. To introduce fundamentals of design which are basics for embroideries, prints for interiors and fashion.
2. To make students aware of the various aspects of colour in everyday life.
3. To make students capable of interpret the given design with basic style names and the type of surface embellishment that is required to be done.

Instructions for Examiner:

1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT I

Elements of Art a. line b. form/shape c. texture d. colour; Colour schemes, Hue, intensity and value.

Principles of design a. balance b. emphasis c. rhythm d. proportion e. harmony

UNIT II

Basic Terminology- Haute Couture, Custom clothes, Pret-e-porter, Fashion, fads, classics, taste, Hi-style, silhouette, design, motif, yokes, fray, notch, pucker, stay line, princess line, empire line.

UNIT III

Basic Terminology -smocking, shirring, checks, plaids, trimmings, frills, flounces, ruffles, bows, appliqué, patch, accessories, notions, trims-functional and decorative.

UNIT IV

Application of the elements and principles of design to the basic figure types a. short and thin b. short and stout c. tall and thin d. tall and stout e. average
Instructions for Practical Paper

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University.

1. Motif : Realistic, geometrical, Stylized and Abstract
2. Colour wheel, value scale, intensity scale, colour harmonies and colour ways.
3. Different types of repeats
4. Different placement of design all over, central, corner, border.
5. Different types shirts, skirts, trousers, sleeves, collars, necklines
6. Enlargement and reduction of motif
7. Making tracings of motifs on butter paper (Minimum -5)

Suggested Resources for Reading:

1. Design and illustration (Marine)- M.Kumakiri SEI DEA SA
2. Design Element – by Richard hora, Miss hora, Art Direction Book Company, NY
3. Notan -The dark light principle of design by Dorr Bothwell and Marylys Mayfield

References Resources:

1. Grafix-by Wolfganhtagney
2. Traditional japanese- Small Motif-by Kamon Yoshimoto
4. Morocco modern- By Herbert YPMA
5. Repeat pattern-peter phillips Gillian buncethames Hudson
6. Japan Patterns- Belverde

**********
Paper Title: FTD 104 BASIC SEWING TECHNIQUES

Objective: To make them aware of appropriate tool of stitching. To create awareness about threads and their classification.

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT I
Introduction and handling of sewing machines and its parts, Garment construction tools and equipment, Sewing problems and their solutions.

UNIT II
Introduction to parts of machine needles, Point types-ball point, round/set point, leather point needle and sizes. Sewing Thread, Important Factors in thread selection

UNIT III
Different types of sewing machines, Awareness about special purpose machines in Apparel market

UNIT IV
Care of sewing machines, Stain removals

Instructions for Practical Paper

Objective: To make them aware of appropriate tool of stitching. To create awareness about threads and their classification.

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT I
Introduction and handling of sewing machines and its parts, Garment construction tools and equipment, Sewing problems and their solutions.

UNIT II
Introduction to parts of machine needles, Point types-ball point, round/set point, leather point needle and sizes. Sewing Thread, Important Factors in thread selection

UNIT III
Different types of sewing machines, Awareness about special purpose machines in Apparel market

UNIT IV
Care of sewing machines, Stain removals

Instructions for Practical Paper

Objective: To make them aware of appropriate tool of stitching. To create awareness about threads and their classification.

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3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT I
Introduction and handling of sewing machines and its parts, Garment construction tools and equipment, Sewing problems and their solutions.

UNIT II
Introduction to parts of machine needles, Point types-ball point, round/set point, leather point needle and sizes. Sewing Thread, Important Factors in thread selection

UNIT III
Different types of sewing machines, Awareness about special purpose machines in Apparel market

UNIT IV
Care of sewing machines, Stain removals

Instructions for Practical Paper

Objective: To make them aware of appropriate tool of stitching. To create awareness about threads and their classification.

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4. All questions carry equal marks.

UNIT I
Introduction and handling of sewing machines and its parts, Garment construction tools and equipment, Sewing problems and their solutions.

UNIT II
Introduction to parts of machine needles, Point types-ball point, round/set point, leather point needle and sizes. Sewing Thread, Important Factors in thread selection

UNIT III
Different types of sewing machines, Awareness about special purpose machines in Apparel market

UNIT IV
Care of sewing machines, Stain removals

Instructions for Practical Paper

Objective: To make them aware of appropriate tool of stitching. To create awareness about threads and their classification.

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UNIT I
Introduction and handling of sewing machines and its parts, Garment construction tools and equipment, Sewing problems and their solutions.

UNIT II
Introduction to parts of machine needles, Point types-ball point, round/set point, leather point needle and sizes. Sewing Thread, Important Factors in thread selection

UNIT III
Different types of sewing machines, Awareness about special purpose machines in Apparel market

UNIT IV
Care of sewing machines, Stain removals

Instructions for Practical Paper

Practical: 40
Internal Assessment: 10
Time: 3 hours

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University.
Making samples of the following:

1. Basic hand stitches – basting-even, uneven, diagonal; tailor’s tacks; back stitch; hemming-visible, invisible.
2. Different types of seams– plain, french, run and fell, mantua maker, slot, lap, piped, counter seam,
3. Different types seam finishes– overcast seam finish, double stitched finish, herringbone finished, edge stitched seam, bound seam finish, pined seam
4. Application of fasteners- buttons and buttonholes, hooks and eyes, hammer ons.
5. Application of different types of trimmings- laces, pipings, bindings, appliqué.
6. Applications of pattern sewing machine

Suggested Resources for Reading:


References Resources:

2 within Inspirational Gallery of Finished Pieces, 2003, Piers Spence Search Press Limited Kent

**********
Paper Title : FTD 105 SURFACE ORNAMENTATION TECHNIQUES

Practical : 80

Internal Assessment: 20

Time: 3 hours

Instructions for Practical Paper

• Examiner will set total of four questions covering the whole syllabus.
  1. Student will attempt any three questions.
  2. Each question carries 15 marks.
  3. Practical work carries 30 marks and 5 marks for viva-voce.

• Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University

1. Flat Stitches - Running Stitch, Back Stitch, Stem Stitch, Satin Stitch, Couching Stitch, Cross Stitch, Herringbone Stitch,
2. Loop Stitches- Chain Stitch, Lazy-daisy Stitch, Button hole Stitch, Blanket Stitch, Fishbone Stitch, Feather Stitch, fly Stitch,
3. Knotted Stitches- French knot Stitch, Double knot Stitch, Bullion knot Stitch
4. Decorative designs-Cross Stitch , Tapestry Stitch, Shadow work, Mirror work, English Smocking, Cut work, Sindhi Work.
5. Patchwork and Appliqué
6. Handling & Preparation of Computerized Embroidery Machine
7. Making products using above techniques

Suggested Resources for Reading:


References Resources:

2. Dongerkery, Kamala S. Romance of Indian Embroidery, 1951,Thacker & Co., Ltd. Bombay,
5. Mrs.SavitriPanditTraditional Embroideries of India”

**********
Objective: The objective of this paper is to familiarize the students with the importance of ethics in business and understanding of issues related to corporate social responsibility and corporate governance.

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

Unit 1

Business Ethics: Meaning and Concept, Principles of Business Ethics, Characteristics of Ethical Organisations, Theories of Business Ethics.

Unit-II

Globalization and Business Ethics, Stakeholder’s Protection, Corporate Governance and Business Ethics. Ethical Issues in Indian Business.

Unit - III

Professional Values: Objectives, Morals, Values, Ethics, Integrity, Work ethics, Service learning, Virtues, Respect for others, Living peacefully, Caring, Sharing, Honesty, Courage, Valuing time, Cooperation, Commitment, Empathy, Self-confidence, Challenges in the work place, Spirituality.

Unit - IV

Corporate Social Responsibility: Social Responsibility of business with respect to different stakeholders, Arguments for and against social responsibility of business, Social Audit, Corporate Social Responsibility and Corporate Governance.
Suggested Resources for Reading:

Paper Title: FTD 203: PATTERN MAKING AND DRAPING

Theory: 40

Internal Assessment: 10

Time: 3 hours

Job Role: Level 4- Assistant Designer

Level 5- Sampling Coordinator

Objectives: To impart Knowledge of different methods of pattern making (flat pattern method, draping method and drafting method)

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT I

Pattern making and draping Tools, Scope, importance and methods of developing patterns: Flat pattern and Draping. Preparation of muslin- tearing and blocking.

UNIT II

Anthropometric measurements; landmarks and symbol Key, taking body measurements, A study of various sizes and measurements charts.

UNIT III


UNIT IV

Added Fullness Principle, Tucks - plain, cross, shell, released, group.
b) Pleats - knife, box, inverted box, cartridge and kick
c) Gathers.
Instructions for Practical Paper

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University.

1. Drafting and stitching of Adult women bodice block and sleeve block
2. Drafting and stitching of Ladies shirt
3. Drafting of Petticoat
4. Drafting and stitching of Salwar and Pyjami
5. Draping of Basic Skirt Block: front, back
6. Preparation; Draping steps
7. Marking; Trueing.

Suggested Resources for Reading:

1. Helen Joseph Armstrong, Pattern Making for Fashion Design, 2000, Dorling Kindersley (India) Pvt. Ltd. India,
2. Sandra Betzina, Fast Fit – Easy Pattern Alterations for Every Figure, 2003

References Resources:

Paper Title: FTD 204 CONCEPTS OF FASHION AND APPAREL DESIGN

Theory: 40

Internal Assessment: 10

Time: 3 hours

Job Role: Level 4- Assistant Designer

Level 5- Sampling Coordinator

Objective: To enable student understand about design process and enhance sketching skills which helps in developing style of his own as per latest trends

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT – I

Fashion cycle- Stages of Fashion, Broken fashion cycle, Length of fashion cycle.

Sources of inspiration for fashion designing- History, Media, architecture, films, theatre.

UNIT – II

Meaning of Fashion forecasting, Fashion Prediction Agencies. Procedure for predicting trends

UNIT – III


UNIT – IV

Factors affecting design application for various age groups, seasons, occupation, occasions & categories. Profile of Indian and Western fashion designers- any five renowned designers in each category. Career in fashion industry
Instructions for Practical Paper

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University.

Simple Sketching a) Stick figures- Straight and bead

1. Block figure- normal block, child block and female block.

2. Fashion figure- a) normal, eight, ten and twelve head figure.

3. Structure of hands, legs & feet, facial- proportions & drawing of hair.

4. Sketching of gathers, pleats, frills and flounces, necklines, sleeves, collars.

5. Fashion illustration for different occasions


7. Drawing of Jewellery

Suggested Resources for Reading:

1. Fashion drawing- magazine of Thailand
2. Fashion Drawing- The basic principles by Allen & Julian Seaman.
3. Fashion Illustration- BinaAbling
4. Fashion Drawing Designs- Magazine of Thailand
5. Designing book for children garment:
6. All volumes and Kiddys
7. All volumes of faces
8. Innovative fashion sketching by Rita Gerstem
Paper Title: FTD 205 APPAREL CONSTRUCTION BASIC TECHNIQUES

Practical: 80

Internal Assessment: 20

Time: 3 hours

Job Role: Level 4- Assistant Designer

Level 5- Sampling Coordinator

Objectives: To have working knowledge of slopers in sewing. To understand the basics of apparel construction.

Instructions for Practical Paper

Examiner will set total of four questions covering the whole syllabus.

1. Student will attempt any three questions.
2. Each question carries 15 marks.
3. Practical work carries 30 marks and 5 marks for viva-voce.

- Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University.

Making samples of the following using Child bodice block slopers:

1. Necklines – Construction and finishing of different types of necklines. (Facing and binding on different neck shapes).
2. Sleeves: plain, puff, flared, bell, umbrella, cap, magyar, bishop, leg-o-mutton, raglan.
4. Yokes – one piece, two pieces, with and without fullness.
5. Placket - overlap: one side extended; both sides extended; rugby placket; concealed placket with buttons.
7. Pleats - knife, box, inverted box, cartridge and kick, Gathers.

Suggested Resources for Reading:

2. Publications.
Objective: The objective of this paper is to provide fundamental knowledge to the students about E-Commerce so that they can better perform in any area of operation and can excel in the field of commerce with IT specialization.

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT I

UNIT II

UNIT-III
UNIT-IV


Suggested Resources for Reading:

2. ‘Frontiers of Eletronic Commerce’ by Ravi Kalakota, and Andrew B.Shinston, Addision Wesley.
4. ‘Electronic Commerce’ by GrayP.Schneider, Course Technology, Delhi.

**********
Paper Title: FTD 303: APPAREL INDUSTRY AND QUALITY CONTROL

Theory: 40

Internal Assessment: 10

Time: 3 hours

Job Role:----- Industrial Engineer(IE) Executive

Objective : To acquaint the students about – Quality control, labeling and packaging. Special purpose machine in Apparel Industry and Various Laws and Regulations related to textiles.

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT-I
Organisation and operation (work flow) of an Apparel manufacturing unit.

Current Indian Export and India’s position in world export market.

UNIT-II
Occupational Health hazards and safety

Quality control in Apparel industry.

Fabric inspection systems-4 point, 10 point system, Graniteville 78.

UNIT-III
Labelling- Types of labels and information provided by labels.

Packaging- Types of packaging.

UNIT-IV
Laws and Regulations related to Textile products

Laws and Regulations related to Safety
Suggested Resources for Reading:

2. ISO 9000- Textile Committee Mohali.
3. Textiles by Sara J. Kadolph

Objectives: To equip students with the knowledge of fashion photography. To enable them to understand the various aspects of fashion photography

Practical based on FTD 303

Practical : 40

Internal Assessment: 10

Time: 3 hours

Instructions for Practical Paper

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University
6. The examiner will set questions covering the whole syllabus
7. Each question can be sub-divided into parts according to the paper setter.

*******
Job Role:----- Industrial Engineer(IE) Executive

Objective: To acquaint students with the concept of selling and marketing To give a thorough understanding of product planning, pricing and practices.

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

Unit – I

Meaning, Nature and Scope of Marketing.

The Marketing Systems.

Product Life Cycle.

Need for Product Innovations and their Development for Variety.

Unit – II

Factors influencing pricing decisions

Pricing strategies

Pricing Methods

Unit – III

Distribution System

Channels of Distribution – Types and Functions – Role of Middleman.

Unit – IV

Marketing Research to study Consumer Demand

Stages of Marketing Research Process.
Types of Surveys.

Consumer Demand and Fashion Marketing, Fashion Change and Consumer

**Suggested Resources for Reading:**

4. Fashion Innovation of marketing by Kathryn Moore Greenwind of Mary.

**Instructions for Practical Paper**

**Practical : 40**

**Internal Assessment: 10**

**Time: 3 hours**

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University.

**Objective**

To impart practical knowledge about Fibers, yarn and fabrics and their care

1. Collection and Classification of Fabrics
   - Basic Weaves – Plain weave, Twill weave and Satin weave
   - Novelty/Fancy Weave – Pile weave and its types, Double cloth weave, Leno and Gauge weave, Jacquard weave, Dobby weave, Swivel Weave, Lappet weave and Crepe weave

2. Fiber Identification

3. Dart Manipulation
   - Slash and spread method, pivot method, Darts in One Piece Garment, Asymmetrical Darts

4. Construction of Basic skirt block & its adaptation to, a-line skirt, added flare skirt, skirt with yoke, 3 tiered skirts, wrap skirt, circular skirt-full and half.

5. Draping and stitching of Adult Bodice Block and Princess line
Suggested Resources for Reading:

1. Textiles by Sara J. Kadolph
2. Fabric Science by Pizzato

**********

Paper Title: FTD 305COMPUTER AIDED DESIGNING (CAD) (PRACTICAL)

Practical: 80
Internal Assessment: 20
Time: 3 hours

Job Role:----- Industrial Engineer(IE) Executive

Objective: To impart knowledge about 1. Basic Computers 2.Adobe Photoshop 3. Corel draw so that student learn good skill in designing brochures, pamphlets, magazine cover pages, cards, logos and advertisements etc.

Instructions for Practical Paper: (for 80 marks)

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 15 marks.
4. Practical work carries 30 marks and 5 marks for viva-voce.

- Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University

1. MS Word: (i) Writing a letter in word document; (ii) Formatting, Editing and saving files.

2. MS Excel: (i) Making Excel spread sheets; (ii) Mathematical operations in excel.

3. MS Powerpoint: (i) Using PP to make presentations.

4. Use of Internet: (i) Making an email id.; (ii) Searching different topics

5. ADOBE PHOTOSHOP (a) Study in detail different tools of Photoshop.
(b) Create composition of stripes, checks in various textures and colours.

(c) Pick up a costume worn by a famous fashion model. Scan her figure and redesign the texture and colour combination of the dress.

**Suggested Resources for Reading:**
2. Photoshop Cs2 (savvy), By Romaniello
3. MS Office 2000 for Everyone by Sanjay Saxena-New Delhi, Vikas, 2006
4. Internet for Everyone by Alexis Leon and Mathews Leon.

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**SEMESTER IV**

**Paper Title: GC 402 - PROJECT MANAGEMENT**

**Theory: 80**

**Internal Assessment: 20**

**Time:** 3 hours

**Job Role:** ----- Industrial Engineer(IE) Executive

**Objectives:** The objective of this paper is to provide knowledge to students about the essentials of undertaking projects in an organizational environment.

**Instructions for Examiner:**
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.
UNIT-I


UNIT-II


UNIT-III

Project Appraisal Techniques: Objectives, Types and Methods. Project Risks: Meaning, Types, Measurement of Risk, Decision Tree Analysis (Basic Concepts only).


UNIT-IV


Suggested Resources for Reading:

2. Project Management: The Managerial Process (Special Indian Edit.) -Clifford F Gray, Oregon State University.

**********
Paper Title: FTD 403: FABRIC HANDLING AND RAW MATERIALS

Theory: 40

Internal Assessment: 10

Time: 3 hours

Job Role: ----- Industrial Engineer(IE) Executive

Objective: To create awareness about raw material of textiles and handling of special fabric

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT-I
Terminology – Fibre, Yarn, Elasticity, Absorbency, Resiliency, Drapability, Twist, Blend.
Introduction to textile fibres & their classification on the basis of their origin.

UNIT-II
Manufacturing process and properties of different fibres – Cotton, linen, wool, silk, nylon and polyester

UNIT-III
Types of fabric construction. Different types of fabrics faults & embroidery defects, Defects of dyed and printing fabrics

UNIT-IV
Handling of Special fabrics while garment construction - Slippery fabrics- like satin, Sheers like – lace, heavy weigh fabric like denim and drills, reversible fabric, leathers
Practical Based on FTD 403

Practical: 40

Internal Assessment: 10

Time: 3 hours

Instructions for Practical Paper

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University
6. The examiner will set questions covering the whole syllabus
7. Each question can be sub-divided into parts according to the paper setter.

Suggested Resources for Reading:

1. Textiles by Sara J. Kadolph
2. Fabric Science by Pizzato
3. Garment Construction Techniques by Dorthy Wood
4. The Complete Book of Sewing: Dorling Kindersley

*******
Paper Title: FTD 404: DESIGN DEVELOPMENT AND MERCHANDISING

Theory: 40

Internal Assessment: 10

Time: 3 hours

Job Role: Industrial Engineer (IE) Executive

Objective: To create awareness about Design Process, Product and prototype development and to understand the role of sample coordinator and merchandiser

Instructions for Examiner:

1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT-I


UNIT-II

Fashion Industry and new product development-Role of the designer, The influence of Haute-couture, Organization of Fashion industry , The sequence of events

UNIT-III

Visual Merchandising , Role and Responsibilities of Merchandiser

UNIT-IV

Fashion Distribution-Departmental stores, Specialty stores ,Chain stores, Mill Show rooms, Factory Outlets, Catalogue retail stores, Discount store, Designers retail stores, Franchise retail stores, Boutique
Practical Based on FTD 404

Practical: 40

Internal Assessment: 10

Time: 3 hours

Instructions for Practical Paper

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University
6. The examiner will set questions covering the whole syllabus
7. Each question can be sub-divided into parts according to the paper setter.

Suggested Resources for Reading:

3. Fashion Caledoscope by MeharCastelen
4. Fashion From Concept to Consumer by Sharon Lee, Harpirt& Row Pub., NY.

**********
Job Role:----- Industrial Engineer(IE) Executive

Objective: To impart knowledge about 1. Corel draw so that student learn good skill in designing brochures, pamphlets, magazine cover pages, cards, logos and advertisements in addition to photoshop etc.

Instructions for Practical Paper : (for 80 marks)

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 15 marks.
4. Practical work carries 30 marks and 5 marks for viva-voce.

- Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University

Introduction to design development sheets

COREL DRAW/ADOBE ILLUSTRATOR (a) Detailed study of tools of the software. (b) Create a composition of geometrical shapes, traditional and contemporary motifs.

(c) Illustrating fashion models figures in different profiles and movement. (d) Draping the fashion figure in different silhouettes. (e) Design a complete collection of five dresses 3.

1.Creating Mood boards them under the following categories: -

Men’s wear,

Women’s wear

Kids wear,

2.Interpretation of the forecast in terms of cut, style, color and fabric sourcing.
3. Exercises in visually assessing and relating fashion illustration to the specification sheets.

4. Client profile

8. Fabric and colour sheet

**Suggested Resources for Reading:**

2. Corel Draw by BPB Publication
5. Fashion Caledoscope by MeharCastelen

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**SEMESTER V**

**Paper Title : GC 502  - INTRODUCTION TO RESEARCH METHODOLOGY AND REPORT WRITING**

Theory: 80

Internal Assessment: 20

Time:3 hours

**Job Role:---- Online Sample Designer**

**Objective:** The objective of the module is to familiarize the students with basics of research methodology like types of research, data collection, sampling techniques and report writing.

**Instructions for Examiner:**

1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.
UNIT I
Research - Meaning, Characteristics, Types, Process and Utility,
Research Design - Meaning, Types and Features of good research design.
Qualitative and Quantitative research.
Importance of review of literature.
The research proposal.

UNIT II
Primary and Secondary data.
Methods of data collection.
Measurement and scaling.
Designing of Questionnaire and schedule.

UNIT III
Sampling Design and Sampling procedure.
Sampling and non sampling errors.
Data analysis and interpretation.
Role of computers in research.

UNIT IV
Business Reports and Proposals: Introduction,
Meaning a Report? Steps in Writing a Routine Business Report,
Format of Proposals,
Four Key Elements in Winning Business Proposals;
Case Studies.

Suggested Resources for Reading:
3. ‘Research Methodology A Step by Step Guide for Beginners’ by R. Kumar, Pearson Education.

**********

Paper Title: FTD 503PATTERN DEVELOPMENT AND ADVANCE DRAPING

Theory: 40

Internal Assessment: 10

Time: 3 hours

Job Role:---- Online Sample Designer

Objectives: To impart Knowledge above advance patternmaking and draping techniques to meet the requirements of different body types and standard sizes.

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.
UNIT I

Analysis of bodice block and Contouring Principle

UNIT II

Terminology used in pattern making- Pattern drafting, flat pattern making, Pattern envelop, template, production pattern, design specification sheet, pattern chart, cost sheet, trueing, blending and equalizing, style lines.

UNIT III


UNIT IV

Altering patterns- lengthening and shortening pattern, Bust alterations, Waist and hip alterations, shoulder back and sleeve

Practical : 40

Internal Assessment: 20

Time: 3 hours

Instructions for Practical Paper :

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University

1. Manipulation on draped bodice block: Shifting of dart; One dart into two darts;
2. Draping of basic skirt and it’s variations
3. Pleats, tucks and gathers, yokes
4. Necklines; halters; princes line; empire line
5. Develop two designs of a bodice, a skirt and a one-piece garment by draping on muslin. Incorporate design features mentioned in topic 3 above.
6. Development of Patterns of: Saree Blouse: Plain and Choli,

7. Kurta: A-line; Kalidaar

8. Any one of the Halter neck one piece dress, Off shoulder – single and both, One piece fitted dress with gathers in princess line

**Suggested Resources for Reading:**

1. The Practical Encyclopedia of Sewing: By-Dorothy Wood
2. Lorenz Books The Complete Book of Sewing: Dorling Kindersley
3. The Sewing Book by Alison Smith

**********

Paper Title: FTD 504FABRIC TECHNIQUES AND PROTOTYPE DEVELOPMENT

**Theory:** 40

**Internal Assessment:** 10

**Time:** 3 hours

**Job Role:**---- Online Sample Designer

**Objective:**. To handle and monitor new product development, regular follow up with all sampling like: proto sample, size sets, fit samples. To create awareness about threads and their classification. Required tools & materials for different types of embroidery. To give introduction to computerized embroidery.

**Instructions for Examiner:**

1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

**UNIT I**

Finishes affecting appearance: bleaching, calendaring, embossing, glazing, schreinerizing, singeing. Finishes affecting texture: Flocking, napping, burnt out design, acid finish, stiffening.

**UNIT II**

Basic warp and weft knit stitches, Comparison of Warp and weft knitting, Knitted fabrics defects
UNIT III


UNIT IV

Printing: Definition, methods and types of printing techniques; Direct, Resist, Discharge, Mordant and transfer printing.

Practical: 40

Internal Assessment: 10

Time: 3 hours

Instructions for Practical Paper

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University.
6. The examiner will set questions covering the whole syllabus.
7. Each question can be sub-divided into parts according to the paper setter.

1. Make Samples with Dyeing and Printing techniques - Tie and Dye, Batik, Stencil, Screen and Block printing.
2. Developing innovative techniques in hand painting (colour blending).
3. Procure or make a tech pack or Design a theme based garment by hand sketches or by Computer Aided Design.
4. Identify better or new sources /suppliers for sampling development, fabrics, trims or surfaces ornamentations as applicable to fashion garments and the style.
6. Determine the size of your samples.
6. Create a pattern as per design details.

7. Developing a prototype with the help of muslin.

8. Check the assembled garments in accordance with flow of samples to specification sheet.

9. Test fit finished proto-type and compare based on specification sheet

10. Checking on the dress form for any faults and correcting them on paper pattern

**Suggested Resources for Reading:**

1. The Practical Encyclopedia of Sewing: By-Dorothy Wood
2. Lorenz Books The Complete Book of Sewing: Dorling Kindersley

*********

**Paper Title: FTD 505: PATTERN DEVELOPMENT THROUGH CAD/ CAM**

**Practical : 80**

**Internal Assessment: 20**

**Time: 3 hours**

**Job Role:---- Online Sample Designer**

**Objectives :** To enable the students to understand the fundamental principles of CAD/CAM in Apparel Design, Style variations, grading and marker making Digitize the manual pattern on the CAD software. Plotting the pattern for making prototype

**Instructions for Practical Paper : (for 80 marks)**

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 15 marks.
4. Practical work carries 30 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University
1. Introduction to toolbars - Standard, piece, edit, toolkit, rotate, internal, segment, dart, pleat, fabric and strips

2. Introduction to Menu – File Menu, edit Menu, piece Menu, point Menu, segment Menu, internal Menu, dart Menu, pleat Menu, seam Menu, walk Menu, view Menu

4. Draft the pattern on the CAD software as per specification given

i) Trouser Pattern Making – Notches, Orientation, Tools

ii) Basic bodice Block – Modifications and variations

iii) Shirt/ Jacket Pattern Making

5. Prepare tech pack as per inputs from clients and self-imagination

**********

SEMESTER VI

Paper Title: GC 602 - TOTAL QUALITY MANAGEMENT

Theory: 80

Internal Assessment: 20

Time: 3 hours

Job Role: ---- Online Sample Designer

Objective: The objective of the paper is to provide knowledge to students of the concepts of total quality management and to inculcate among them a concern for quality and customer satisfaction.

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT I

Introduction: Definition of Quality, Dimensions of Quality, Quality Planning, Quality costs and its Analysis, Basic concepts of Total Quality Management, Principles of TQM.
UNIT II

UNIT III

UNIT IV

Suggested Resources for Reading:


**********
Job Role: Online Sample Designer

Objectives: This course will enable the student to build and publish web sites using HTML, DHTML, CSS, JavaScript and Dreamweaver.

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

Unit -I

Web Server; Web Client/Browser, How a Browser communicates with a Web Server, Website, Webpage: Static Website, Dynamic Website, Internet, Intranet, Extranet, WWW, URL

HTML: HTML program structure, Paragraph Breaks, Line Breaks; In a Web Page implementing: (Heading Styles, Drawing Lines); Text Styles (Bold, Italics, Underline); Other Text Effects (Centering (Text, Images etc.)

Lists: Unordered List, Ordered Lists.

Tables: Caption Tag, Width, Border, Cell padding, Cell spacing, BGCOLOR, COLSPAN and ROWSPAN Attributes.

Unit-II

Linking Documents: Anchor tag, External Document References, Internal Document References and Image Maps

Frames: Introduction to Frames: The tag, Targeting Named Frames

DHTML: Introduction to cascading style sheets (CSS), Style tag, Link tag, Types of CSS: In-Line, Internal, External

Forms: Attributes of Form element, Input element, The Text Element, Password, Button, Submit Button, Reset Button, The Checkbox, Radio, TextArea, Select and Option

Unit-III

Importance of Pattern grading for Apparels.

Defining grading and grading rules
Grading of skirt, Trouser, Bodice Block, Shirt

Unit-IV

Introduction to Lay Planning,

Marker making of skirt, trouser on CAD

Marker Making of Bodice, shirt / jacket

Practical based on FTD 603

Practical: 40

Internal Assessment: 10

Time: 3 hours

Instructions for Practical Paper

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University
6. The examiner will set questions covering the whole syllabus
7. Each question can be sub-divided into parts according to the paper setter.

**********
Job Role: ---- Online Sample Designer

Objective: To enable student understand about design process and enhance sketching skills which helps in developing style of his own as per latest trends

Instructions for Examiner:
1. The syllabus of this paper has been divided into FOUR units.
2. Examiner will set a total of NINE questions comprising Two questions from each unit, including Question No. 1 (compulsory) of short answer type covering the whole syllabus.
3. The students are required to attempt one question from each unit and the entire Compulsory Question No. 1.
4. All questions carry equal marks.

UNIT I

Sleeves Terminology, sleeve types, sleeves Finishes and Sleeve edge Finishes

UNIT II

Different types Collar and collar applications, Pockets and their placements - patch, in-seam, patch with pleat, patch with flap pockets

UNIT III

Application of zippers: centered, lap, open ended, concealed
Hem finishes, Waist band and Tie Belt

UNIT IV

Application of fasteners- buttons and buttonholes, hooks and eyes, hammer ons.
Application of different types of trimmings- laces, pipings, bindings, appliqué.
Instructions for Practical Paper

1. Examiner will set total of four questions covering the whole syllabus.
2. Student will attempt any three questions.
3. Each question carries 5 marks.
4. Practical work carries 20 marks and 5 marks for viva-voce.
5. Practical paper will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University.

Create design as per latest trends and establish customer needs
Carry out research on latest trends and contemporary fashion for apparel and its target market
Carry out research to identify new and promising materials, trends as well as sources/suppliers for procurement of such items/develop techpack for designs
Develop photo sample of similar or identical designs to persuade customers for order booking
Construction of the following fitted garments:
   1. Halter neck one piece dress
   2. Off shoulder dress: single and both
   3. Choli cut corseted Kurti
   4. One piece fitted dress with gathers in princess line.
   5. Construction of fitted garments with fullness added in various dart locations.

Suggested Resources for Reading:

1. The Practical Encyclopedia of Sewing: By-Dorothy Wood: Lorenz Books
5. Clothing Construction :SherieDoongaji
7. Stitch World
Objective: The art portfolio is an expression of a graduating student’s creativity, design/ability, technical expertise and illustration and presentation skills. It should exhibit the students inclination towards and particular segment of the industry by identifying the target customers, design requirements and pricing. It should ideally comprise of 30-35 sheets keeping the following points in mind.

Instruction: (for 80 marks)

1. The portfolio should fulfill following conditions.
2. Practical evaluation of the Portfolio will be conducted by the college in collaboration with the respective experts and marks will be submitted to Panjab University.
3. The syllabus shall be covered through workshops.

Uniform format: It is important to keep all the sheets of the same size to maintain visual continuity. Sheets should be grouped separately and systematically either horizontally or vertically. Statement of your design philosophy to clarify your attitude towards fashion.

1. Resume; Personal Philosophy and Philosophy of your education
2. Cover/Title page of a portfolio
3. Brief information and descriptions of work; Thumbnails; Snapshots of self, team mates at work; Use of best quality tools covers, trimming, mounting, mating, glazing, color, binding, size etc. available for portfolio development

Your natural creative bent of mind should find expression through specific design and market orientation. This is to be based on innovative fabric combinations, surface texture and ornamentation.

It is very important that the designs and embroidery motifs be original. It is very important to show your design applicability for the craft. Any other creative graphic work, photography done by you, should be included.

Methods to show the works: Sort out the best works; place works in logical order;

Conscious choices on layout; scrapbook, magazine, small postcard samples.

Designing a Personal Book or Bound Book unique to taste; Keeping separate portfolios for Illustrations, Designs etc.

Make a CD: A digital version of portfolio: PDF files

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