FACULTY OF SCIENCE

SYLLABI

FOR

B.SC. FASHION DESIGNING
1st, 2nd & 3rd YEAR

EXAMINATIONS 2013

--::0::--
<table>
<thead>
<tr>
<th>Year</th>
<th>Subject</th>
<th>Th.</th>
<th>Pr.</th>
<th>Paper/ Ext. Ass.</th>
<th>Int. Ass.</th>
<th>Total</th>
<th>Periods Per Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Basics of Design and Illustration Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Basics of Design and Illustration Pr.</td>
<td>--</td>
<td>50</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Concept of Fashion</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Traditional Textiles Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Traditional Textiles Pr.</td>
<td>--</td>
<td>50</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Basic Computer Skills Pr.</td>
<td>--</td>
<td>100</td>
<td>90</td>
<td>10</td>
<td>100</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Garment Construction-I Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Garment Construction-I Pr.</td>
<td>--</td>
<td>100</td>
<td>80</td>
<td>20</td>
<td>100</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Textile Science-I Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Textile Science-I Pr.</td>
<td>--</td>
<td>50</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Fabric Construction Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Fabric Construction Pr.</td>
<td>--</td>
<td>50</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Punjabi /HCP</td>
<td>100</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>100</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>800</td>
<td>40</td>
</tr>
<tr>
<td>II</td>
<td>Fashion Design Illustration Pr.</td>
<td>100</td>
<td>80</td>
<td>20</td>
<td>100</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>History of Indian Costumes Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Needle Craft Pr.</td>
<td>--</td>
<td>100</td>
<td>80</td>
<td>20</td>
<td>100</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Garment Construction-II Pr.</td>
<td>--</td>
<td>100</td>
<td>80</td>
<td>20</td>
<td>100</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Pattern Making-I Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Pattern Making-I Pr.</td>
<td>--</td>
<td>100</td>
<td>80</td>
<td>20</td>
<td>100</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Knitting Technology Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Knitting Technology Pr.</td>
<td>--</td>
<td>50</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Textile Science-II Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Textile Science-II Pr.</td>
<td>--</td>
<td>50</td>
<td>40</td>
<td>10</td>
<td>50</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>English Th.</td>
<td>100</td>
<td>--</td>
<td>90</td>
<td>10</td>
<td>100</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>800</td>
<td>35</td>
</tr>
</tbody>
</table>
### III

<table>
<thead>
<tr>
<th>Course</th>
<th>Theory (T)</th>
<th>Practical (P)</th>
<th>Lab (L)</th>
<th>Total (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing and Merchandising Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>Marketing and Merchandising Pr.</td>
<td>--</td>
<td>50</td>
<td>--</td>
<td>50</td>
</tr>
<tr>
<td>Pattern and Marker Making on Computer Pr.</td>
<td>--</td>
<td>100</td>
<td>80</td>
<td>20</td>
</tr>
<tr>
<td>Pattern Making-II Pr</td>
<td>--</td>
<td>100</td>
<td>80</td>
<td>20</td>
</tr>
<tr>
<td>Apparel Manufacturing Technology Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>History of world costumes Th.</td>
<td>50</td>
<td>--</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>Line Development Pr</td>
<td>--</td>
<td>200</td>
<td>50</td>
<td>150</td>
</tr>
<tr>
<td>Garment Construction-III Pr.</td>
<td>--</td>
<td>100</td>
<td>80</td>
<td>20</td>
</tr>
<tr>
<td>Internship</td>
<td>100</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>800</strong></td>
<td><strong>31</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>G.TOTAL</strong></td>
<td><strong>2400</strong></td>
<td><strong>100</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The students of B.A./B.Sc./B.Com. have also to study the subject of “Environment & Road Safety Education”. This is a compulsory qualifying paper which the students are required to qualify in the 1st/2nd/3rd year of the course. The examination will be conducted by the University.
UNIT I (ENVIRONMENT)

1. **Environment Concept:**
   Introduction, concept of biosphere—lithosphere, hydrosphere, atmosphere; Natural resources— their need and types; principles and scope of Ecology; concepts of ecosystem, population, community, biotic interactions, biomes, ecological succession.

2. **Atmosphere:**
   Parts of atmosphere, components of air; pollution, pollutants, their sources, permissible limits, risks and possible control measures.

3. **Hydrosphere:**
   Types of aquatic systems. Major sources (including ground water) and uses of water, problems of the hydrosphere, fresh water shortage; pollution and pollutants of water, permissible limits, risks and possible control measures.

4. **Lithosphere:**
   Earth crust, Soil—a life support system, its texture, types, components, pollution and pollutants, reasons of soil erosion and possible control measures.

5. **Forests:**
   Concept of forests and plantations, types of vegetation and forests, factors governing vegetation, role of trees and forests in environment, various forestry programmes of the Govt. of India, Urban forests, Chipko Andolan.

6. **Conservation of Environment:**
   The concepts of conservation and sustainable development, why to conserve, aims and objectives of conservation, policies of conservation; conservation of life support systems—soil, water, air, wildlife, forests.

7. **Management of Solid Waste:**
   Merits and demerits of different ways of solid waste management—open, dumping, landfill, incineration, resource reduction, recycling and reuse, vermicomposting and vermiculture, organic farming.

8. **Indoor Environment:**
   Pollutants and contaminants of the in-house environment; problems of the environment linked to urban and rural lifestyles; possible adulterants of the food; uses and harms of plastics and polythene; hazardous chemicals, solvents and cosmetics.

9. **Global Environmental Issues:**
   Global concern, creation of UNEP; Conventions on climate change, Convention on biodiversity; Stratospheric ozone depletion, dangers associated and possible solutions.

10. **Indian Laws on Environment:**
    Indian laws pertaining to Environmental protection: Environment (Protection) Act, 1986; General information about Laws relating to control of air, water and noise pollution. What to do to seek redressal.
11. **Biodiversity**:
What is biodiversity, levels and types of biodiversity, importance of biodiversity, causes of its loss, how to check its loss; Hotspot zones of the world and India, Biodiversity Act, 2002.

12. **Noise and Microbial Pollution**:
Pollution due to noise and microbes and their effects.

13. **Human Population and Environment**:

14. **Social Issues**:
Environmental Ethics: Issues and possible solutions, problems related to lifestyle, sustainable development; Consumerisms and waste generation.

15. **Local Environmental Issues**:
Environmental problems in rural and urban areas, Problem of Congress grass & other weeds, problems arising from the use of pesticides and weedicides, smoking etc.

**Practicals**:
Depending on the available facility in the college, a visit to Vermicomposting units or any other such non-polluting eco-friendly site or planting/caring of vegetation/trees could be taken.

*Note: Above 15 topics to be covered in 25 hour lectures in total, with 2 lectures in each topics from 2 to 11 and one each for the topics 1 and 12 to 15.*

**UNIT II (ROAD SAFETY)**

1. Concept and Significance of Road Safety.
2. Role of Traffic Police in Road Safety.
4. Traffic Signs.
5. How to obtain Driving License.
7. Common Driving mistakes.
8. Significance of First-aid in Road Safety.
9. Role of Civil Society in Road Safety.

**Examination Pattern**:

- Seventy multiple choice questions (with one correct and three incorrect alternatives and no deduction for wrong or un-attempted question).
- The paper shall have two units: **Unit I (Environment) and Unit II (Road Safety)**.
- Unit I shall comprise of 50 questions with minimum of 2 questions from each topics 1, and 12 to 15 and minimum of 4 questions from topics 2 to 11.
• Unit II shall comprise of 20 questions with minimum of 1 question from each topics 1 to 10.
• The entire syllabus of Unit I is to be covered in 25 hours and that of Unit II is to be covered in 10 hours.
• All questions are to be attempted.
• Qualifying Marks 33 per cent i.e. 23 marks out of 70.
• Duration of examination : 90 minutes.
• The paper setters are requested to set the questions strictly according to the syllabus.

Suggested Readings
2. Road Safety Signage and Signs (2011), Ministry of Road Transport and Highways, Government of India.

Websites:
(a)  www.chandigarhpolicen.nic.in
(b)  www.punjabpolicen.gov.in
(c)  www.haryanapolicen.gov.in
(d)  www.hppolicen.nic.in
1. BASICS OF DESIGN AND ILLUSTRATION - Theory
2. BASICS OF DESIGN AND ILLUSTRATION- Practical
3. CONCEPT OF FASHION- Theory
4. TRADITIONAL TEXTILES- Theory
5. TRADITIONAL TEXTILES- Practical
6. BASIC COMPUTER SKILLS- Practical
7. GARMENT CONSTRUCTION-I- Theory
8. GARMENT CONSTRUCTION-I- Practical
9. TEXTILE SCIENCE- I -Theory
10. TEXTILE SCIENCE- I – Practical
11. FABRIC CONSTRUCTION- Theory
12. FABRIC CONSTRUCTION- Practical
13. PUNJABI (COMPULSORY)/HCP - Theory
THEORY

OBJECTIVES:

• To help students to understand design fundamentals, elements and principles of design.
• To understand the fashion design concepts.
• To understand illustration techniques and colour theories.

Time: 3 pds/week

<table>
<thead>
<tr>
<th>Component</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam</td>
<td>40</td>
</tr>
<tr>
<td>Int. Ass.</td>
<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>50</td>
</tr>
</tbody>
</table>

Time: 3 Hrs.

UNIT-I

1. Study and application of the following to fashion designing:
   • Design- definition and its types.
   • Elements of art line and its types, form, colour and its dimensions (hue, value, intensity), colour schemes and texture.

UNIT-II

2. Principles of design- harmony, proportion, balance rhythm, emphasis.
3. Optical illusions created through elements of art and principles of design.

UNIT-III


UNIT-IV

5. Fashion accessories- introduction and illustration of headgears, foot wears bows, ties, belts, handbags, gloves, jewellery.

Sessional work-
Sessional work will be based on above mentioned topics

Instructions for paper setters

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
BASICS OF DESIGN AND ILLUSTRATION

PRACTICAL OBJECTIVES:

- To enable students to have awareness and to gain knowledge of figure sketching and drawing human figures.
- To learn illustration techniques and various colour schemes.

Time: 2 Pds/week          Total Marks: 50
Exam: 40
Int. Ass.: 10
Time: 3 hrs.

UNIT-I
1. Introduction to art media and its applications- different art media- pencils, erasers, colours- poster, fabric, water, pencil, oil pastels, charcoal pencils.
2. Free hand drawing and colour rendering of objects (one for each category)
   - Natural shapes and forms, landscapes.
   - Realistic and abstract patterns.
3. Colour preparation of colour wheel, tints, tones, shades, different colour schemes.
4. Fashion model drawing basic figure proportion (croqui, heads, ears, nose, legs, arms and hairstyles)
5. Figure drawing in S, X, T, Y poses.
6. Rendering of different textures: woven, woolen, knitted, satin, fur, leather, net, denim, Chikan, sheer.

Instructions for paper setters
1. There will be four questions in all.
2. Three questions will be set from Sr. No. 1 to 5 carrying 10 marks each.
3. One question will be set from Sr. No. 6 carrying 10 marks.

References:
Gold Stein, “Art in Every day life”, IBH Publishing Co, Calcutta, 1992
Elizabeth Drudi, T Pack, “Figure Drawing for Fashion”, The Pepin Press
Abling Bina, “Fashion Sketch Book”
CONCEPT OF FASHION

THEORY

OBJECTIVES:
• To create awareness about clothing culture.
• ToImpart knowledge of clothing communication and fashion expression.

Time: 3 pds/week     Total Marks: 50
Exam:              40
Int. Ass. :        10
Time             3 hrs.

UNIT-I
2. Fashion terminology fashion, style, fad, classic, stereotype, boutique, croquis, fashion trends, haute couture, designer, prêt-a-porter, silhouette, Hi- fashion, mass fashion and knock-offs.

UNIT-II
3. Fashion definition, principles, components (silhouette, details, texture and colour).
4. Factors affecting fashion (social, economic, psychological)
5. Fashion cycle stages, broken fashion cycle and length of fashion cycles.
6. Fashion theories- trickle down, trickle across and bottom up theory.

UNIT-III
7. Social and psychological aspects of clothing.
8. Clothing requirement for different age groups.

UNIT-IV

Sessional work- Sessional work will be based on above mentioned topics

Instructions for paper setters
1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.

References:
Kathryn Mekelvey, “Fashion source book”, Blackwell science, UK
Carter L, “The changing World of Fashion,” G.P. Panama’s Sons, NY
Horn MJ, “Second Skin”
Kafgen Mary, Individuality in clothing, Houghton Mifflin Company
Elaine stone, “Dynamics of Fashion”.


TRADITIONAL TEXTILES

THEORY

OBJECTIVES:

- To impart knowledge of traditional designs and motifs of textiles
- To introduce application of these motifs on different textiles.

Time: 3 pds/week       Total Marks:  50
Exam:  40
Int. Ass. :  10
Time :  3 hrs.

UNIT-I

Traditional Textiles of India

1. Resist dyed textiles - bandhani, batik, patola, ikat, pochampalli.
2. Printed Textiles - Sanganeri
3. Painted textiles - Kalamkari

UNIT-II

4. Woven textiles - brocade, jamavar, jamdani, chanderi, maheshwari, kanjivaram, paithni, baluchari.

UNIT-III

6. Traditional embroideries of different regions of India - history, motifs, stitches, threads and colours of the following:-
   - Kantha
   - Chamba rumal
   - Phulkari
   - Kashida

UNIT-IV

7. Traditional embroideries of different regions of India - history, motifs, stitches, threads and colours of the following:-
   - Chikankari
   - Kasuti
   - Kutch
   - Sindhi
   - Manipuri

Instructions for paper setters

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
3. Each question shall carry Eight marks. (8x5=40)
References:

Lynton Linda, “The Sari”, Thames and Hudson
Sumathi G.J., “Elements of Fashion and Apparel Design”, New Age Intl. Ltd. Publisher, N. Delhi
Pandit S. “Traditional Embroideries of India”.

TRADITIONAL TEXTILES

PRACTICAL
OBJECTIVES:

• To learn basic embroidery stitches
• To learn application of traditional motifs and designs on various textiles.

Time: 2 pds/week  Total Marks:  50
Exam: 40
Int. Ass. : 10
Time : 3 hrs.

UNIT-I

1. Basic embroidery stitches- Running, stem, chain, back, open, chain, blanket, feather, herring bone, close herring bone, couching, lazy daisy, French knot, satin, long and short and Romanian.
2. Sample making of following traditional embroideries
• Kantha
• Chamba Rumal
• Phulkari
• Kashida
• Chikankari
• Kasuti
• Kutch
• Sindhi
• Manipuri

Preparation of an article using any one traditional embroidery.
Workshop on adda embroidery and machine embroidery and making a sample of each.

Instructions for paper setters

1. There will be two questions in all.
2. One question will be set from Sr. No. 1 carrying 20 marks.
3. One question will be set from Sr. No. 2 carrying 20 marks.
References:
Lynton Linda, “The Sari”, Thames and Hudson
Sumathi G.J., “Elements of Fashion and Apparel Design”, New Age Intl. Ltd. Publisher, N. Delhi
Mumbai, 1960
Pandit S., “Traditional Embroideries of India”.

BASIC COMPUTER SKILLS

PRACTICAL

OBJECTIVES:
• To impart basic computer knowledge to students.
• To enable students to understand the rules of I.T. in automation, Fashion and apparels.

Time: 4 hrs/week

Total Marks: 100
Exam: 90
Int. Ass.: 10(Att.-04+Int. Exam-6)
Time: 3 hrs.

I THEORETICAL BACKGROUND TO BE DONE IN PRACTICAL CLASSES

1. Introduction to computer data, processing and information, classification and evaluation of computers. Configurations of computers, Resolution factor, raster and vector data and image processing.
2. Computer hardware-central processing, main memory, secondary memory, I.O devices
3. Operation system (OS) Basic concepts of M-Dos/window 9XNT or system management.
4. Word processing, work sheet, basic data base, Business charts (Pie Line Bar etc.) operations and professional presentation formations.
5. Computer applications in various fields of Fashion industry, fashion communication through digital techniques, fashion photography, Latest scanners.

II PRACTICAL

1. Introduction to the computer operations- Hardware and software, Understanding OS and Basic system management, trouble shooting operations.
2. Word processing software, preparation, saving and printing of text documents.

Instructions for paper setters

1. There will be two questions in all from section-II only
2. One question will be set from Sr. No. 1 carrying 45 marks.
3. One question will be set from Sr. No. 2 carrying 45 marks
4. Each question can be sub-divided into parts according to the paper setter.

References:
Winfred Aldrick, “CAD in clothing and textiles”, Blackwell Science, 1994
GARMENT CONSTRUCTION-I

THEORY

OBJECTIVES:
- To impart knowledge of machines and tools used for sewing.
- To impart knowledge of drafting and its importance.
- To impart knowledge of different garment components.

Time: 3 pds/week

Total Marks: 50
Exam: 40
Int. Ass.: 10
Time: 3 hrs.

UNIT-I
1. Anthropometric measurements- definition, instruments, precautions, landmarks and recording body measurements.
2. Standardization and size charts.

UNIT-II
3. History and types of sewing machines
4. Different machine attachments
5. Sewing machine parts, maintenance, common problems and their remedies.
6. Tools and equipments used for clothing construction.

UNIT- III
7. Fabric preparation
8. Handling special fabrics
9. Suitability of different fabrics for different garments.
10. Knowledge of size of needles, threads and stitches according to the fabric.
11. Lining, inter lining, facing, interfacing

UNIT-IV
13. Different style of garments- skirts, trousers, blouses, one-piece dress and coats

Instructions for paper setters

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
3. Each question will carry eight marks (8X5=40)
GARMENT CONSTRUCTION-I

PRACTICAL
OBJECTIVES:
• To learn various basic hand stitches and seams
• To acquire drafting skills for children’s garments.

Time: 4 pds/week Total Marks:100

Exam: 80
Int. Ass. : 20
Time : 3 hrs.

1. Making samples of:
   • Basic hand stitches- basting, back stitch, hemming visible/invisible, tailor’s tack.
   • Types of seams- plain run and fell, French, lapped, counter, mantua makers.
   • Types of seam finishes- overlock, hand overcast, turned and stitched, binding.
   • Fullness- types of darts, tucks, pleats, ruffles, frills and gathers.
   • Neckline finishes binding, facing
   • Plackets continuous, 2-piece
   • Zips and Fasteners
   • Pockets patch, in-seam, patch with pleat, patch with flap.

2. Drafting and construction-
   • Collars- Peterpan, sailor’s cape, shawl, mandarin, stand & fall.
   • Sleeves- puff, bell, cap, leg-o-mutton, Magyar, kimono, raglan
   • Yokes- straight, round, v-shape.

Instructions for paper setters
1. There will be three questions in all.
2. Two questions will be set from Sr. No. 1 carrying 20 marks each (2X20=40 marks)
3. One question will be set from Sr. No. 2 carrying 40 marks including drafting (10marks), cutting (10marks) and construction & finishing (20 Marks)

References:
Readers digest sewing Book
Armstrong Helen Joseph, “Pattern making for fashion designing”.
Mullick Prem Lata, “Garment construction Skills”.

TEXTILE SCIENCE-I

THEORY

OBJECTIVES:

• To impart knowledge of fibers, sources of fibers and their properties.
• To provide students the knowledge of yarn science and yarn properties.

Time: 3 pds/week          Total Marks:  50
Exam:  40
Int. Ass.:   10
Time : 3 hrs.

UNIT-I

1. Introduction to textile fibers, classification of fibers based on source and origin.
2. Manufacturing and properties (Primary & Secondary) of various fibers, cotton, linen, jute, wool, silk, rayon, acetate and triacetate, polyamide (nylon 6, nylon6.6) acrylics, modacrylic, electrometric fibers.

UNIT-II

3. Different types of spinning mechanical spinning and chemical spinning.

UNIT-III


UNIT-IV

7. Introduction to textile industry
A brief study of the different sections of the textile industry and its contribution to Indian economy.

Instructions for paper setters

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory, carrying short answer type questions, fill in the blanks or true/false.
3. Each question will carry eight marks (8X5=40)

References:

TEXTILE SCIENCE-I

PRACTICAL
OBJECTIVES:
• To introduce students to various equipments used for testing fibers and yarns.
• To analyse fiber and yarn properties through various techniques.

Time: 2 pds/week Total Marks: 50
Exam: 40
Int. Ass. : 10
Time : 3 hrs.

NOTE: Use simple methods only.
1. Fiber identification- Visual, burning, microscopic and solubility test.
2. Fiber blend analysis
3. Measurement and interpretation of yarn count, direct and indirect system.
4. Identification of type of yarn
5. Evaluation of thread count and dimensional stability of fabric
7. Evaluation of fabric weight in terms of GSM.

Instruction for paper setters

1. There will be four questions in all.
2. Four questions carrying 10 marks.

References:
FACTOR CONSTRUCTION

THEORY

OBJECTIVES:

• To impart knowledge of fabric manufacture and fabric properties.
• To enable students to understand fabric structures and to analyse them.

Time: 3 pds/week

Total Marks: 50
Exam : 40
Int. Ass. : 10
Time : 3 hrs.

UNIT-I

1. Parts of a simple loom and their function
2. Different types of looms-
   • Shuttle looms- pit & table
   • Shuttleless looms- Rapier, Gripper, Multiphas, Airjet, Waterjet
   • Jacquard and doby.

UNIT-II

3. Preparation of warp and weft yarns for weaving.
4. Different types of warping.
5. Basic weaving concepts- basic motions of weaving-
   • Primary and secondary motions.

UNIT-III

6. Different methods of fabric formation-
   Weaving, Basic, figured & embroidered effect weaves.
7. Graphical representation of lift weaves with drafting and lifting plan.

UNIT-IV

8. Basics of Knitting
9. Other methods of fabric formation in detail-
   Felting, bonding, knotting, lace making and braiding.

Instructions for paper setters

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
3. Each question will carry Eight marks (8X5=40)

References:

FABRIC CONSTRUCTION

PRACTICAL
OBJECTIVES:

• To identify various weaves.
• To acquire skills for various fabric construction techniques.

Time: 2 pds/week
Total Marks: 50
Exam: 40
Int. Ass.: 10
Time: 3 hrs.

1. Making of samples of different weaves- Macramé, lace making.
2. One article using any construction method.
3. Identification of weaves through graphical representation.
5. Visit to Textile Industry.

Instructions for paper setters

1. There will be three questions in all.
2. Two questions will be set from Sr. No. 1, carrying 15 marks each (15X2=30).
3. One question will be set from Sr. No. 3, carrying 10 marks (10X1=10).

References:

पंजाबी (किताबी)

चाँदे. अंदे बी. उमंत जी. राज जनवर 2012 के रिपोर्ट बुक
(चाँदे. अंदे बी. इंग्ल. पी. इं. रिपोर्ट बुक)

पृष्ठः 19

पाठबंध

1. आपुरिक पंजाबी बिंदुओं न असिमिट 10 अंक
2. पंजाबी लघु शब्दों न असिमिट 10 अंक
3. माने-सीखती एन असिमिट 10 अंक
4. उपवेश विश्लेषण अंकांत एम अंक उपवेश बन्ध

बैठक

1. वर्ग-प्रमुख (संपादक) डा. वरामीण संभव, पहलीसंभव विनगित, पंजाब पुलिसबहनिटी, चंडीगढ़
2. लघु लघु, (संपादक) डा. परवेश वर्ग, पहलीसंभव विनगित, पंजाब पुलिसबहनिटी, चंडीगढ़
3. भ्रमों की बंद धारा, सीभार संभव, बालक बालि अंक मंसूब, अभिनव
4. 1, 2 और 3 अंक उपवेश एम अंक उपवेश बन्ध

वृट्तित आज वीभ

1. (४) वर्ग में विभिन्न विभिन्न मद्दत विभागित (दे बिचि विभिन्न) 5 अंक
(अ) विभिन्न एम अंक में बेंची बंध (दे बिचि विभिन्न) 5 अंक
2. लघु-लघु विभिन्न विभिन्न विभिन्न विभिन्न बंध विभिन्न बंध विभिन्न बंध विभिन्न बंध 4+6=10 अंक
(दिनत बिचि विभिन्न)
3. माने-सीखती प्रश्न विभिन्न विभिन्न विभिन्न विभिन्न बंध 10 अंक
(दिनत बिचि विभिन्न)
4. बंध प्रश्न दे मंगेप हिंदू (हिंदू हिंदू हिंदू हिंदू हिंदू) 5×1 = 5 अंक
(४) वर्ग-में विभिन्न विभिन्न (अंक प्रश्न) विभिन्न प्रश्न दे हिंदू हिंदू) 5×1 = 5 अंक
(अ) लघु-लघु विभिन्न विभिन्न (अंक प्रश्न) प्रश्न दे हिंदू हिंदू) 5×1 = 5 अंक
(४) माने-सीखती विभिन्न (अंक प्रश्न) विभिन्न प्रश्न दे हिंदू हिंदू) 5×1 = 5 अंक

कैंट:- पंजाब सेट मात्र कहीं उलटा दे विभिन्न, उलटा की विभिन्नचित्रण, प्रश्न अंक भव्यपार नहीं उलटा राज संरक्षित मात्र ती उलटे सत्य, हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हिंदू हि
पेशक: ये

बूँद: 50
सिरियाज़: 45
उमर: 5
मार्ग: 3 घंटे

पठनमूर्ति:

1. शेषलं रा सीबर, उच्च पह नादे खिलाएँ 5 घंटे
2. शेष तरफ़ 10 घंटे
3. संघें तरफ़ 2+6=8 घंटे
4. मगवजुव फिरी रा भट्टप्राप (अंकलेश्वर से उंचाई) 5 घंटे
5. मुचळ फिर तेटिस 5 घंटे
6. विभाग फिरूल 4 घंटे
7. विभाग फिरूल 8 घंटे

पुस्तक अन्तः शीर्ष:

1. निपुणतत्व संस्करण बिड़ी बिस्मे हिच रा सीबर, उच्च पह अंकलेश्वर जेलापाठ 5 घंटे
(इंकह अंक इंकह करने के कारण) चार बिस्मे हिच फिरूल दे
शेषलं सुब्झ मिस़ह, भेंड़ु मिस़ह, ब्रह्मी बीब मिस़ह, मिस़ह बुध गुंडाक, मुकनीत धाराव, वाच्छम गुंडाक मिस़ह पीड़ितक, उर्मला मिस़ह, उर्मला मिस़ह, उर्मला मिस़ह, उर्मला मिस़ह, उर्मला मिस़ह (अंकलेश्वर, मक्खिकरण अंक घंटे दंड जेलापाठ वाच्छम चीड़ा)
2. शेष (500 सबूतं बिच) सहबाज़ महसुलों, महामाय भारतीय, अंकलेश्वर पहाड़ी मक्खिकरण राज मेंपाठ (चार बिस्मे हिच बंदर 5 घंटे)
3. संघें तरफ़ (पूंजी), 2+8=8 घंटे
4. अंकलेश्वर से मक्खिकरण सबूतं (मगवजुव फिरी रा जलापाठ 1000 मास) 5 घंटे
5. मुचळ फिर तेटिस फिरूल (मगवजुव, मक्खिकरण अंक घंटे दंड मेंपाठ वाच्छम चीड़ा)
(इंकह अंक इंकह करने के कारण) 5 घंटे
6. विभाग फिरूल 4 घंटे
7. धुप-महुंग, अंकलेश्वर फिरूल 2+2=4 घंटे
8. भुँग्भुंग अंक अभास: (इंकह आतं बंदर फिरूल पुराण बटारी, विभाग मेंपाठ उ दंड) 4 घंटे

माफिक युद्धवां:

1. उंचाई संचर बेड़तार अभिनंद, उंचाई मटेट पूजारखित्सी रेडियत बीं बेड़, चंदीगढ़।
2. वाक्सन उंचाई भागावठार, म्र. उर्मला मिस़ह अंक फिरूल सत्य मिस़ह, उंचाई मटेट पूजारखित्सी रेडियत बीं बेड़, चंदीगढ़।

रूट: 1. रेडियत बीं रूट्स रूट्स रूट्स 2 पीसीवी
2. लेंसिनीटार्क बीं 25-30 विभागान्वित रा नाहूंग अंक उड़े रूट्स रूट्स 2 पीसीवी
3. उड़े रूट्स 6+3 = 9 पीसीवी
One Paper

General Instructions:

1. In all, nine questions will be set. Each question will carry 18 marks.
2. First question shall be Short Answer type containing 15 short questions spread over the whole syllabus. Candidates will attempt nine questions out of the fifteen questions in about 25 to 30 words each. Each short question will carry 1 mark, totalling $9 \times 2 = 18$ marks. The first question is compulsory.
3. Rest of the paper shall contain 4 units. Each unit shall have two essay type questions and the candidate shall attempt one question from each unit – 4 in all.
4. For private candidates, who have not been assessed earlier for internal assessment, the marks secured by them in theory paper will proportionately be increased to maximum marks of the paper in lieu of internal assessment. The paper setter must put note (4) in the question paper.

HISTORY AND CULTURE OF PUNJAB 1200-1849 A.D.

UNIT-I

1. Society in the Punjab during the Afghan rule.
2. The Punjab under the Great Mughals.

UNIT-II

4. Guru Nanak: His teachings; concept of Langar and Sangat.

UNIT-III

7. Martyrdom of Guru Tegh Bahadur; foundation of the Khalsa by Guru Gobind Singh.
8. Banda Bahadur and his achievements; Sikh Struggle for sovereignty from 1716 to 1765; role of Dal Khalsa, Rakhi, Gurmata and Misls.
9. Ranjit Singh’s rise to power; civil and military administrations; relations with the British.
UNIT-IV

10. Social change with special reference to the position of women.
11. New developments in language, literature, architecture in the Punjab during the Medieval Period.
12. Famous Folk tales of Medieval Punjab.

Suggested Readings:

1. Singh, Kirpal, History and Culture of the Punjab, Part-II (Medieval Period), Publication Bureau, Punjabi University, Patiala, 1990 (3rd edn.).
   N.B. - The required detail and depth would conform to the treatment of the subject in the above survey. (This book will also form the basis of the short answer questions).

Note: - The following categories of the students shall be entitled to take the option of History & Culture of Punjab in lieu of Punjabi as compulsory subject:

(a) That the students who have not studied Punjabi upto class 10th.
(a) Wards of/and Defence Personnel and Central Government employee/employees who are transferable on all India basis.
(b) Foreigners.
B.Sc. II

1. FASHION DESIGN ILLUSTRATION- Practical
2. HISTORY OF INDIAN COSTUMES- Theory
3. NEEDLE CRAFT- Practical
4. GARMENT CONSTRUCTION-II- Practical
5. PATTERN MAKING-I- Theory
6. PATTERN MAKING-I- Practical
7. KNITTING TECHNOLOGY- Theory
8. KNITTING TECHNOLOGY- Practical
9. TEXTILE SCIENCE-II- Theory
10. TEXTILE SCIENCE-II- Practical
11. ENGLISH
FASHION DESIGN ILLUSTRATION

PRACTICAL

OBJECTIVES:

- To enable students to gain knowledge of figure sketching and drawing.
- To gain knowledge of various fashion details.
- To acquaint students with knowledge of CAD based application in fashion designing.

Time: 4 pds/week       Total Marks: 100
Exam: 80
Int. Ass.: 20
Time: 3 hrs.

Instructions for paper setters.

1. There will be two questions in all.
2. One question will be set from Sr. No. 1, carrying 40 marks.
3. One question will be set from Sr. No. 2, carrying 40 marks.
4. Each question can be sub-divided into parts according to the question

1. FLAT SKETCHING AND FIGURE DRAWING
   - Sketching of various fashion details- Necklines, collars, sleeves, cuffs, pockets, frills, flounces, bows, tops, skirts, trousers and silhouettes.
   - Sketching of accessories.
   - Rendering texture of fabrics in dresses- lace, leather, fur, datin, denim, wool and knitted.
   - Designing of casual and formal wear for children and women (3 each).

2. CAD
   - Croqui drawing
   - Drawing of various fashion details.
     Collar-flat, stand, rolled (two for each type)
     Sleeve- set in sleeves, sleeves combined with bodice (two for each type)
     Pockets- patch, inseam (two for each type)
     Skirts- flared, gathered, gored, pegged, tiered and skirt with yokes.
     Silhouette- Tubular, bell and bouffant.
     Trousers (any two)
   - Designing of casual and formal wear for children and women (one each)

References:

- Elezabeth Drudi, “Figure Drawing for fashion design”, the pepin press
- Ritu, “Fashion Design and illustrations”, Indica publishers
HISTORY OF INDIAN COSTUMES

THEORY

OBJECTIVES:

- To acquaint the students with different types of Indian costumes.

Time: 3 pds/week

Total Marks: 50
Exam : 40
Int. Ass. : 10
Time : 3 hrs.

STUDY OF INDIAN COSTUMES DURING FOLLOWING PERIODS:

UNIT-I

1. Indus valley Period
2. Vedic Period.

UNIT-II

3. Mauryan and Sunga Period
4. Satvahana Period
5. Kushan Period
6. Gupta Period

UNIT-III

7. Mughal Period
8. British Period

UNIT-IV

9. Costumes of different states of India

NOTE: - Screening of period Film
- Visit to museums.

Instructions for paper setters

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
3. Each question will carry eight marks (8X5=40)

References:

- Bina Abling, “Costumes”.
NEEDLE CRAFT

PRACTICAL

OBJECTIVES:

- To enable students to learn methods of surface ornamentation of fabric using different techniques to produce value added products.
- To enable students to develop practical skills in needle craft techniques.

Time: 4 pds/week       Total Marks:  100
    Exam:  80
    Int. Ass. :  20
    Time :  3 hrs.

Preparation of samples with the following techniques: -

1. Patch work and quilting: Introduction, tools, material and techniques.
2. Applique: Introduction, tools, material and techniques.
3. Crochet- Introduction, tools, material, techniques and types- single, double.
4. Machine Embroidery, cut work, glass work and drawn thread work.
5. Special techniques- smocking, ribbon work, beads and sequins work.

PROJECT

- Develop one product based on anyone technique of needle craft.
- Develop one product based on Knitting/ crocheting.

Instructions to paper setters.

1. There will be three questions in all.
2. One question will be set from Sr. No. 1 & 2, carrying 25 marks.
3. One question will be set from Sr. No. 3 & 4, carrying 25 marks.
4. One question will be set from Sr. No. 5, carrying 30 marks.

References:

- Pandi S., “Embroideries of India”.
PRACTICAL

OBJECTIVES:

- To acquire construction skills for basic garments for children and adult women.

Time: 4 Pds/week  Total Marks: 100
Exam: 80
Int. Ass.: 20
Time: 3 hrs.

1. Drafting and construction of:
   - Frock with gathers, puff sleeve and baby collar.
   - Romper with patch pocket.
   - Night suit (Bushirt and Pyjama with inseam pocket)
   - Kalidar Kurta
   - Churidaar
   - Salwaar & Kameez
   - Plain blouse
   - Panelled Skirt

Instructions for paper setters

1. There will be one question drafting (15 marks) cutting (10 marks) and construction & finishing (55 marks) of any one garment.

Reference:
- Thomas Anna Jacob, “The Art of Sewing” UBS Publishers Distributions Ltd, New Delhi, 1994
- Readers Digest-Sewing Book
- Armstrong Helen Joseph, “Pattern making for Fashion Designing”.
PATTERN MAKING- I

THEORY

OBJECTIVES:

- To teach different aspects of Pattern Making.

Time: 3 Pds/Wk

| Total marks: | 50 |
| Exam : | 40 |
| Int. Ass : | 10 |
| Time : | 3 hrs. |

UNIT-I

1. Terminology used in Pattern making: Pattern drafting, flat pattern making, template working pattern, production pattern, design specification sheet, pattern chart, cost-sheet, grain, dart, dart legs, dart intake, trueing and blending, plumb line, vertical lines, horizontal lines, perpendicular lines, symmetric and asymmetric lines, style number, pattern size. Pivotal point and pattern manipulation, style reading pattern making tools.

UNIT-II

2. Fitting- principles of good fit, various fitting problems and its remedies

UNIT-III

3. Methods of Pattern Development
   - Drafting
   - Flat Pattern Method, Slash and Spread, Pivot Method

Basics of Commercial paper pattern
   - Pattern Envelope
   - Pattern Marking
   - Pattern Layout

UNIT-IV

4. Fabric estimation and its importance
   Different types of pattern layout
   Handling special fabrics.

Instructions for paper setters

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
3. Each question will carry eight marks (8X5=40)
PATTERN MAKING - I

PRACTICAL

TIME: 4 Pds/wk

Total Marks: 100
Practical: 80
Int. Ass: 20
Time: 3 hrs.

1) Drafting of adult bodice block and sleeve block
2) Developing of patterns for
   • Collars- Peter pan, sailor’s cape, shawl, mandarin, stand & fall, convertible and roll.
   • Sleeves set in (pull, bell, cap, leg-o-mutton, lantern, tulip) extension of bodice (Magyar and kimono) part of bodice (raglan and saddle).
   • Yokes straight round, V shape, in seam, torso yoke, simulated yoke
3) Dart manipulation- single dart, multiple dart, princess line yokes, fullness (gathers, pleats and tucks) contouring, pattern (wrap, off shoulder, halter)

Instructions for Paper setters.

• There will be three questions in all
• One question will be set from Sr. No. 1 & 2 carrying 50 marks.
• One question will be set from Sr. No 3 carrying 30 marks.

Reference:

- Armstrong Joseph Helen, “Pattern Making for Fashion Design”.
KNITTING TECHNOLOGY

THEORY

OBJECTIVES:

- To impart knowledge about knitting technology
- To enable students to develop practical skills of knitting

Time: 3 Pds/wk  Total marks:  50
Exam: 40
Int. Ass: 10
Time : 3 hrs.

UNIT-I

1) Introduction to Knitting Technology
2) Terms used in knitting.
3) Difference between Knits and Woven.

UNIT-II

4) Hand and machine Knitting.
5) Indian Knitting industry-past, present and future.

UNIT-III

6) Introducing Warp and weft knitting
7) Weft knit stitches-single jersey, rib, purl, interlock, float and tuck stitches
8) Warp knit stitches- underlap, closedlap, openlap,. Tricot, Milanese, Rachel knit.
9) Comparison of warp and weft knitting, defects.
10) Knitted fabric defects

UNIT-IV

11) Knitting machines-weft and warp Knitting machines, flat bed & circular
   * Different types of knitting machine needles and their working.
   (Assignment and Presentation)
   - Collection of knitted swatches
   - Presentation on knit stitches

Instructions for Paper setters.

- There will be eight questions carrying equal marks.
- Five questions will be attempted in all. Question no 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
- Each question will carry eight marks (8 X 5 =40)
KNITTING TECHNOLOGY

PRACTICAL

TIME: 2 Pds/wk  Total marks: 50
Exam: 40
Int. Ass: 10
Time: 3 hrs.

1. Knitting- Introduction terminology, hand knitting tools, material, techniques, basic textures, ribs, laces, cables, multi-colored knitting.
2. Preparation of knitting samples- single jersey, rib, purl and interlock, float, tuck stitches.

Instructions for Paper setters.

- There will be two questions of knitting samples in all carrying 20 marks each.
- Sample size should be specified.

Reference:

- Prof. Ajgaonkar D.V.,”Knitting Technology” Univeristy Publishing Co. Mumbai
- Brackenbury Terry, “Knitting Clothing Technology” Black well Science, UK
- Spencer David J, “Knitting Technology” Pergeman Press, UK.

TEXTILE SCIENCE-II

THEORY

OBJECTIVES:

- To acquaint students with different types of printing and dyeing techniques.

Time: 3 Pds/wk  Total marks: 50
Exam: 40
Int. Ass: 10
Time: 3 hrs.

UNIT-I

1. Classification of dyes
   - Stages of dyeing and methods of dyeing and machinery used for dyeing.
   - Auxiliaries.

UNIT-II

2. - Colour fastness
   - Dyeing defects.

UNIT-III

3. Fabric finishing
   - Preparatory processes (singeing, desizing, scouring, bleaching, heat-setting).
   - Routine finishes-beetling, calendaring, carbonization, permanent setting mercerization, sizing, softening, anti-shrink, weighting, milling
- Special purpose finishes-flame proof and retardant, water proof/ repellent, durable press moth proofing, soil repellent, anti static.

UNIT-IV

4. Techniques of decorative dyeing.
   - Styles and methods of printing

Instructions for paper setters
1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
3. Each question will carry eight marks (8X5=40)

TEXTILE SCIENCE-II

PRACTICAL OBJECTIVES:

- To enable students to develop practical skills of printing and dyeing

Time 2 Pds/wk Total marks: 50
Exam: 40
Int. Ass: 10
Time : 3 hrs.

1. Dyeing of cellulosics with different classes of dyes-direct, reactive and azoic
2. Dyeing of wool and silk with acid and basic dyes
3. Printing (using pigment binder) block printing, screen printing and stencil printing
4. Preparation of articles using these techniques

Instructions for Paper setters.

- There will be two questions in all.
- One question will be set from Sr.No. 1 & 2 carrying 20 marks
- One question will be set from Sr.No 3 carrying 20 marks.

References:

Objectives:
The objective of teaching English to the science students is to create general awareness among them about literature and its impact on their lives. At the same time, it is expected that the students, on reading this course, shall develop proficiency in reading and writing skills, while acquiring a sensitive and analytical attitude towards literature in particular, and life in general. It is with this aim in mind that the new text has been selected and it is hoped that the objectives of the course will not only be reflected but also realized through necessary shift in the teaching practices, design of the question paper and mode of evaluation.

Note:
(i) There will be one paper of 80 marks, 10 marks are reserved for the Internal Assessment and 10 for the Practical Work. Total is 100.
(ii) The paper shall consist of Two Units. Unit I will be text specific and Unit II shall deal with different aspects of communications and language learning skills.
(iii) For Unit I, the prescribed text is Varieties of Expression, Ed. A. H. Tak, Foundation Books, which shall replace the existing text Patterns in Prose by Jagdish Chander, P.U., Chandigarh. It may be pointed out here that only certain sections of this text i.e prose and drama are prescribed. Poetry has been deleted completely. Only five prose and five plays have been recommended for the study. The relevant sections, however, are as follows:

Prose:
I. The Judgement Seat of Vikramaditya, Sister Nivedita
II. Engine Trouble, R. K. Narayan
III. The Conjurer’s Revenge, Stephen Leacock
IV. J. C. Bose, Aldous Huxley
V. The Position of Women in Ancient India, Padmini Sen Gupta

Drama:
VI. The Rising of the Moon, Lady Gregory
VII. Waterloo, Arthur Conan Doyle
VIII. The Proposal, Anton Chekhov
IX. Riders to the Sea, J. M. Synge
X. Lithuania, Rupert Brooke

(iv) No text book is recommended for Unit II, but a few books that may be used for this Unit are listed towards the end Unit II shall consist of the following:

Communication: It shall focus on different aspects of communication, types of communication, and significance of positive attitude in improving communication.

Writing Skills: This section shall focus on précis-writing, letters of all kinds; curriculum vitae, short, formal reports (no exceeding 200 words); public notices and advertisements relating to product promotion etc.

Modern Forms of Communication: Here special emphasis shall be given to teaching the format of e-mails, fax messages, telegrams, audio-visual aids and power-point presentations. Apart from this, the
students shall also be given basic lessons in effective listening, non-verbal communication, how to prepare for an interview and group discussion etc.

Practical work:-
Teacher should assign some project or practical work to the students. This should be in the nature of guided activity, which the students shall have to complete under the direct supervision of the teacher. The students may be given projects on a variety of subjects relating to their discipline i.e. science in general or a specific area of science they are specializing in. Preferably, they should be given minor projects (to be completed within less than two weeks, and length not exceeding 20 pages) in consultation with teachers of science. However, the evaluation of the projects should be done only by the Language Teachers, who must keep all the basic criteria of good writing in mind while doing so. (Note: In case of private candidates and students of School of Open Learning, the marks obtained by them out of 80 will be proportionately increased out of 100).

Testing Scheme:
The examination paper shall be divided into two sections, corresponding to two units already proposed in the syllabus. The distribution of questions and marks in Section I shall be as follows:

Section I (It is text-based and corresponds to unit I in the syllabus)
Q1. It shall consist of five short questions (not exceeding 100-120 words) out of which a student will be expected to attempt any three. This question shall be based upon the prescribed text Varieties of Expression and cover a wide range of issues, topics and problems. It shall consist of 12 marks.

Q2. It shall consist of two long questions (not exceeding 300-350 words) out of which a student will be expected to attempt only one. This question shall have internal choice, be based upon the prescribed text Varieties of Expression. This shall carry 10 marks.

Note: The question 1 & 2 should be so designed as to cover all the chapters prescribed, as well as the major issues and problems listed therein.

Q3. It shall consist of an Unseen Passage for Comprehension (not more than 800 words), with minimum six questions at the end. These questions should be designed in such a way that we are able to test a student’s comprehension ability, language/presentation skills and vocabulary etc. This question shall be of 12 marks.

Q4. It shall exclusively be a test of vocabulary, but designed strictly on the lines of various exercises given at the end of each chapter in the prescribed text. The candidate shall be given six words in one column and asked to match them with words/meanings in the next column, This shall carry 6 marks.

Section II (Based upon Unit II)
Q5 (a) The students shall be asked to write a short survey report on a situation, incident, problem of science or the possibility of starting a new scientific venture (in about 150-200 words). The students shall be given an internal choice in this question. This question shall carry 8 marks.

(b) This question shall be on notices/advertisements of various types (as mentioned in the syllabus). It’ll carry 4 marks.

Q6. This question shall test a student’s ability to write letters of various kinds (in nor more than 250 words). Again, there will be internal choice here and the question will be of 8 marks.
Q.7 There will test a student’s ability to write a Précis. A passage of about 200 words shall be given and the students shall have to write a précis of about 70 words (including the title). This question shall carry **10 marks**.

Q.8 This question shall test a student’s understanding of various aspects of communication and modern forms of communication. It shall be divided into two parts:
   (a) Two short questions to be attempted (in not more than 100-120 words each) on different aspects of communication. It’ll carry **6 marks**.
   (b) Definitions/format of modern forms of communication to be tested. This shall again carry **4 marks**.

**Suggested Reading:**
B. Sc. -III

COURSE TITLES

1. MARKETING AND MERCHANDISING- Theory
2. MARKETING AND MERCHANDING- Practical
3. PATTERN AND MARKER MAKING ON COMPUTER- Practical
4. PATTERN MAKING-II- Practical
5. APPAREL MANUFACTURING TECHNOLOGY- Theory
6. HISTORY OF WORLD COSTUMES- Theory
7. LINE DEVELOPMENT- Practical
8. GARMENT CONSTRUCTION-III- Practical
9. INTERNSHIP
MARKETING AND MERCHANDISING

THEORY

OBJECTIVES:

To acquaint students with knowledge of marketing and its environment
To make them understand the importance of fashion forecasting.

Time 3 Pds/wk       Total marks:   50
Exam:             40
Int. Ass:  10
Time :         3 hrs.

UNIT-I

1. Marketing terminology: marketing, market, niche, target customer, vendor, supplier, franchise, market research, sales.
2. Fashion market.
3. Introduction to marketing environment (macro and micro),
   • The company’s Micro environment
     → Supplier, Marketing intermediates, Customers, competitions
     → The company Macro environment Demographic, natural, political.

UNIT-II

4. Sales promotion techniques- Advertising, Personal selling & direct marketing.
5. Retailing, Techniques of Retailing.
6. Role of fashion buyer, buying cycle, effect of fashion cycle.

UNIT-III

7. Fashion forecasting- introduction
8. Merchandising- introduction, role of merchandiser, types of merchandising.
9. Export documentation- export marketing, global scenario.

UNIT-IV

10. Export and import policies.
11. Prospects of Indian apparel in overseas market.

Instructions for paper setters

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
3. Each question will carry eight marks (8X5=40)
MARKETING AND MERCHANDISING

PROJECT (Not exam based)

OBJECTIVES:

- To acquire knowledge about various brands of apparel and accessories
- To gain knowledge about various display materials and installations and different kind of storage displays

Time 2 Pds/wk  Total marks: 50

1. Survey on famous brands available in market for men, women and children (10 marks)
2. Sourcing of fabrics, fasteners and trims (10 marks)
3. Various display material and installations (10 marks)
4. Layout design and illustration for different kinds of store display (10 marks)
5. Thematic window display for a specific store or boutique (10 marks)

Note: The assessment of the project will be done internally.

References

- Jeanette Jarnow, Dickerson,” Inside the Fashion Business’ Prentice Hall, USA
PATTERN AND MARKER MAKING ON COMPUTER

PRACTICAL OBJECTIVES:

- To apply the knowledge of pattern making software for making patterns and grading.

Time: 4 pds/wk

Total Marks: 100
Exam: 80
Int. Ass: 20

Sloper development for bodice-block with basic sleeve block, trouser, shirt, one piece dress, overcoat, manipulation of single dart series, seams and seams allowances.
- Basic principles of marker making on computer (cutting and layout).
- Cross marking and notching
- Manipulating grain line
- Grading
- Practice exercise.

Instructions for paper setters.

- There will be two questions in all each carrying 40 marks.
- Each question can be sub-divided into parts according to the paper setters.

References:


PATTERN MAKING-II

PRACTICAL OBJECTIVES:

- To impart draping and grading skills to the students.

Time: 4 pds/wk

Total marks: 100
Exam: 80
Int. Ass: 20

Time: 3 hrs.

1. Drafting of basic skirt block and trouser.
2. Preparation of patterns (drafting method) of different types of skirts: A-line, Godet, Full circular, Pegged.
3. Preparation of commercial paper pattern of basic skirts and trouser.
4. Draping of basic bodice block-Front and Back.
5. Draping of basic skirt block-Front and Back.
6. Draping of top with princess line and cowl neck.
7. Draping of skirt with flare and skirt with cowl.
8. Grading of:
   - Basic bodice and sleeve block.
   - Basic skirt
   - Trousers.
Instructions for paper setters.
1. There will be three questions in all each.
2. One question will be set from Sr. No. 1 to 3 carrying 30 marks.
3. One question will be set from Sr. No. 4 to 7 carrying 30 marks.
4. One question will be set from Sr. No. 8 carrying 20 marks.

References:

APPAREL MANUFACTURING TECHNOLOGY

THEORY
OBJECTIVES:
- To acquaint students with various machines used in apparel industry.
- To impart quality consciousness and awareness of quality parameter required for apparel quality products.

Time: 3pds/wk                           Total Marks: 50
Exam: 40                               Int. Ass: 10
Time: 3 hrs.

UNIT-I
1. Introduction to entrepreneurship development- steps in setting up an enterprise.
2. Work flow and brief study of various departments of apparel manufacturing unit.

UNIT-II
3. Introduction to quality control- Definition of quality, importance of quality assurance, stages of quality control in apparel industry.
4. Garment inspection using different methods.
5. Applying quality assurance programmers in fabric department, cutting department, production and finishing department.

UNIT-III
6. Packaging - Importance and various materials used for packaging.
7. Care labels, care labeling systems, Eco labeling

UNIT-IV
8. Different types of Industrial sewing machines, and their uses.
9. Special purpose machines.
Instructions for paper setters

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
3. Each question will carry eight marks (8X5=40)

References:
- Ruth EC, “Apparel manufacturing and Sewn product analysis”.

HISTORY OF WORLD COSTUMES

THEORY

OBJECTIVES:
- To acquaint the students with different types of world costumes of different periods.

Time: 3pds/wk Total Marks: 50
Exam: 40
Int. Ass: 10
Time : 3 hrs.

Study of world costumes during following periods:

UNIT-I
1. Egyptian
2. Greek and Crete

UNIT-II
3. Assyrian
4. Persian and Babylonian costumes.

UNIT-III
5. Roman
6. Byzantine

UNIT-IV
7. French-Middle Ages, Renaissance, French revolution, Romantic period.

NOTE: For Assignment & Presentation
- Presentation- adapting period costumes to contemporary use.
- Screening of period film.
- A visit to museums.
**Instructions for paper setters**

1. There will be total nine questions carrying equal marks. Two questions from each unit and one compulsory question covering all the units.
2. Five questions will be attempted in all. Question No. 1 will be compulsory carrying short answer type questions, fill in the blanks or true/false.
3. Each question will carry eight marks (8X5=40)

**References:**

- Bina Abling, “costumes”
- The Pepin Press, “Renaissance”.

---

**LINE DEVELOPMENT**

**PRACTICAL OBJECTIVES:**

- To make students understand the importance of portfolios.
- To impart skills of portfolio presentation.

Time: 8 pds/wk

<table>
<thead>
<tr>
<th>Total Marks</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal</td>
<td>150</td>
</tr>
<tr>
<td>External</td>
<td>50</td>
</tr>
</tbody>
</table>

- Study of fashion forecast
- Conceptualization of theme, mood board, designing, fabric sourcing, pattern development, construction and show casing
- Note:

The assessment of the line development will be done by an Internal and External Jury 150 marks for the Internal Jury. The internal Jury will judge all the steps of the design process as shown below: -

Marks for: -

- Moodboard; theme 10 marks
- Philosophy; Story board 10 Marks
- Concept board; work sheets; spec sheets 20 marks
- Sourcing 10 marks
- Fabric Development 20 marks
- Illustrations 20 marks
- Proto type 20 marks
- Collection 40 marks

► 50 marks for External Jury. Students will present their creations on their models. The jury members will judge the presentation.

► A fashion show may be held for the audience later. This will not carry any marks.
References:
- Elizabeth Drudi, “Figure Drawing for Fashion Design”, The Pepin Press.

GARMENT CONSTRUCTION-III

PRACTICAL OBJECTIVE:

• To understand and apply the knowledge of advanced garment construction techniques.

Time: 4 pds/wk

Total marks- 100
Exam: 80
Int. Ass.: 20

Time : 3 hrs.

1. Drafting and construction of:
   • Shorts
   • Nighty and gown
   • Circular skirt
   • Top with dart manipulation
   • Choli blouse
   • Trousers for ladies
   • Formal shirt for ladies (with collars and cuffs)
   • Jackets

Instructions for paper setters
   There will be one question drafting (15 marks) cutting (10 marks) and construction & finishing (55 marks) of any one garment.

References:
- Readers digest- Sewing Book
- Armstrong Helen Joseph, “Pattern Making for Fashion designing”.
- Mullick Prem Lata, “Garment Construction Skills”.

INTERNSHIP

TOTAL MARKS-100

Each candidate has to compulsory undergo an industrial apprenticeship in any one of the garment industry or Research and Development institute or any organization for a period of 4 weeks. After completion of the internship, the student has to submit the project report and certificate from the concerned industry to the teacher.

************