

3.1 GARMENT DESIGN - I

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RATIONALE

The students should be able to design garments and accessories for different age groups, and occasions with proper selection of fabrics. After going through this subject, the student will be able to design garments appropriately to customers satisfaction and need.

DETAILED CONTENTS

Practical exercises

1. Designing of any 5 garments by applying principles of garment design
2. Designing casual and formal frocks, jump suits/dungarees, night wears, shirts and shorts using mix and match fabrics and prints.

No. of Designs = 4

Age = 2-5 years

3. Designing accessories for children

- Bags
- Shoes
- Belts
- Head gears

4. Sourcing of suitable materials

The students should do a market survey for the fabrics, colours and textures available in the market. They are required to attach suitable fabric swatches on the design sheets.

RECOMMENDED BOOKS

1. Design for the Real World: Human Ecology and Social Change by Papanek
2. Repeat Patterns: A Manual for Designers, Artists and Architects by Phillips and Bunce
3. Textiles Designs 200 Years of Patterns for Printed Fabrics by Meller and Elffers

3.2 PATTERN MAKING AND STYLE INTERPRETATION

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RATIONALE

The students are supposed to know how to adapt basic blocks to various garment designs, and layouts. Thus the subject deals with variations of pattern and styling of garments. After going through this subject, the students will be able to draft various components of the garments.

DETAILED CONTENTS

Practical exercise

1. Drafting of adult's bodice block and sleeve
2. - Drafting of adult's skirt block
- Adaptation of skirt block to various styles
3. Adaptation of plain sleeve to the following sleeves
 - Ruffle sleeve
 - Bishop sleeve
 - Kimono sleeve
 - Raglan sleeve
 - Dolman
4. Drafting and adaptation of the following collars
 - Chinese band
 - Shawl collar
 - Stand and fall collar
 - Two piece notched collar
 - Revers
5. Drafting of lady's saree blouse

RECOMMENDED BOOKS

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

3.3 DRAPING

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RATIONALE

The skill in draping is essential for the diploma holders in fashion technology so that they are able to express design ideas by a three dimensional process of pattern making

DETAILED CONTENTS

PRACTICAL EXERCISES

1. Introduction to:
 - a) Equipment needed
 - b) Grain
 - c) Seam allowances/ease
 - d) Preparation of fabric
 - e) Dress form/dummies

2. Preparation of basic Patterns by draping the following:
 - a) Basic bodice – front and back
 - b) Basic skirt – front and back
 - c) Bodice variation – princess line, yokes with gathers/pleats and cowls

RECOMMENDED BOOKS

1. Draping for Fashion Design by Jaffe, Hilde
2. Fashion from Concept to Consumer by Stephens

3.4 GARMENT CONSTRUCTION-III

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RATIONALE

The diploma holders in fashion technology are supposed to fabricate the garments for kids; as per the layouts and specifications. Hence this subject has been included in the curriculum in order to develop such competencies.

DETAILED CONTENTS

Theory

1. Tools and equipments used in marking, cutting, sewing and finishing (02 hrs)
2. Selection of fabrics for (02 hrs)
 - Different age groups
 - Seasons
 - Occasions
 - Sex
 - Activity
3. Preparation of fabric for cutting (04 hrs)
 - Straightening the fabric
 - Shrinking the fabric
 - Ironing/pressing the fabric
4. Sequence of cutting (04 hrs)

Laying out the pattern pieces, marking and transferring the pattern details, cutting
5. Handling of special fabrics while stitching (02 hrs)
6. Construction details (06 hrs)
 - Seams and seam finishes
 - Fullness and its types – Gathers/Pleats
 - Shirring, Smocking
 - Plackets and fasteners
 - Hem finishes

7. Decorative Details (04 hrs)
- Frills, flounces, peplums
 - Trimmings
 - Belts and bows
8. Fitting (08 hrs)
- Principles of good fit
 - Sequence of fitting
 - Alterations to achieve a good fit

Practical Exercises

1. Classification of collars/flat and convertible collars
2. Prepare samples of different types of collars: peterpan, chinese, shawl, sailors, stand and fall collar
3. Preparing samples of different type of cuffs – lined/unlined
4. Construction of kids wear – A-line frock, romper, casual frock

Note: Exposure to different types of linings and fusing materials available in the market.

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Amstrong
2. Clothing Construction by Doongaji
3. System of Cutting by Zarapkar
4. Clothing Construction by Evelyn A Mansfield, Hougutan Miffin Co., Boston
5. Creative Sewing by Allynie Bane; McGraw Hill Book Co., Inc., New York
6. How You Look and Dress by Byrta Carson; McGraw Hill Book Co., Inc., New York
7. Complete Guide to Sewing by Reader's Digest

3.5 TRADITIONAL INDIAN TEXTILES

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RATIONALE

The students of fashion technology should know and acquire relevant skills in embroidery techniques of different types of traditional Indian embroideries and textiles. The subject aims at developing skills in various types of stitches, traditional embroidery.

DETAILED CONTENTS

Theory

1. Traditional embroideries (14 hrs)
To study in detail the following traditional embroideries
 - Kantha of Bengal
 - Kasuti of Karnataka
 - Chikankari of Uttar Pradesh.
 - Chamba of Himachal Pradesh
 - Sindhi from Kathiawar
 - Kashida of Kashmir
 - Phulkari of Punjab and Haryana
 - Zardozi of Uttar Pradesh
 - Applique of Orissa
2. To study in details the following traditional Woven Textiles of India (08 hrs)
Brocades, Chander/Paithani, Maheshwari, Kanchiwaram, Patolas, Pochanpalli, Ikat, Gardwal, Venketagiri
3. To study in details the following traditional Printed Textiles of India (06 hrs)
Sanganeri prints, Bagroo, Tie and Dye – Laharia and Bandhunis
4. To study in details the traditional Painted Textiles - Kalamkari (02 hrs)
5. To study in details the traditional Knotted Textiles - Carpets (04 hrs)

PRACTICAL EXERCISES

1. Preparation of samples on following traditional embroideries of different states of India:
 - Kantha of Bengal
 - Kasuti of Karnataka
 - Chikankari of Uttar Pradesh.
 - Sindhi from Kathiawar
 - Phulkari of Punjab and Haryana

RECOMMENDED BOOKS

1. Embroidered Textiles: Traditional Pattern Form Five Continents by Paine
2. Traditional Embroideries of India by Shailja D. Naik
3. Traditional Indian Embroideries by Samrity Pandit
4. Master Pieces of Indian Textiles by Rustam Mehta
5. Traditional Textiles of India by Kamaldevi Chatopadhyia
6. Handicrafts of India by Kamaldevi Chatopadhyia
7. Ethenic Indian Embroideries by Usha Srikant
8. Traditional Embroideries by Jamila Brijbhushan

3.6 HISTORY OF COSTUMES - I

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RATIONALE

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

DETAILED CONTENTS

1. Origin of Clothing: theories – Protection, modesty, Adornment (02 hrs)
2. Ancient Indian Civilizations (22 hrs)
 - 2.1 Indus Valley Civilization
 - Detailed study of dates, significant developments
 - Women’s Costumes-dresses, jewellery, hairstyles, footwear
 - Men’s costumes - dresses, jewellery, hairstyles, footwear
 - 2.2 Mauryan and Sunga Period
 - Detailed study of dates, significant developments
 - Women’s Costumes-dresses, jewellery, hairstyles, footwear
 - Men’s costumes - dresses, jewellery, hairstyles, footwear
 - 2.3 Kushan Period
 - Detailed study of dates, significant developments
 - Women’s Costumes-dresses, jewellery, hairstyles, footwear
 - Men’s costumes - dresses, jewellery, hairstyles, footwear
 - 2.4 Gandhara Period
 - Detailed study of dates, significant developments
 - Women’s Costumes-dresses, jewellery, hairstyles, footwear
 - Men’s costumes - dresses, jewellery, hairstyles, footwear
 - 2.5 Gupta Period
 - Detailed study of dates, significant developments
 - Women’s Costumes-dresses, jewellery, hairstyles, footwear
 - Men’s costumes - dresses, jewellery, hairstyles, footwear

3. Medieval period (06 hrs)
- 3.1 Mughal Period
- Detailed study of dates, significant developments
 - Women's Costumes-dresses, jewellery, hairstyles, footwear
 - Men's costumes - dresses, jewellery, hairstyles, footwear
4. British Period (06 hrs)
- Detailed study of data, significant developments
 - Women's costumes – dresses, jewellery, hair styles, footwear
5. Traditional Costumes of India: Types of costumes for male and female, significance of culture and rituals: Jammu and Kashmir, Punjab, Rajasthan, UP, West Bengal, Assam, Maharashtra, Tamil Nadu (12 hrs)

NOTE:

- a) A visit to the National Museum, New Delhi
- ii) Preparation of a portfolio of select fashion silhouettes and accessories of all periods
- iii) Design few contemporary silhouettes based on inspirations drawn from different periods

RECOMMENDED BOOKS

1. Indian Costumes by S.N. Dhar
2. Costumes of India by Dhar and Parameters
3. Ancient Indian Costumes by Roshan Alkazi
4. Man's Costumes – Dresses, jewellery, hairstyles, footwear
5. Fashion Memoir by Yves Saint Laurent, Pieme Berge
6. A History of Costume in the West by Boucher
7. Costume 1066 – 1990's by Peacock

3.7 GARMENT MANUFACTURING MACHINERY

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RATIONALE

The students are expected to know various types of machinery and equipment used in manufacturing of garments. They should be able to operate and maintain the machinery and rectify the common defects. The subject intends to develop such skills in the students.

DETAILED CONTENTS

THEORY	DEMONSTRATION WHILE TEACHING
<p>1. The main types of stitching machinery and their uses in garment assembly (industry setup)</p> <p style="text-align: right;">(04 hrs)</p>	
<p>2. General purpose of sewing machines: Working of sewing machines hand operated, treadle operated and electric operated. Function of different components of sewing machine</p> <p style="text-align: right;">(06 hrs)</p>	<p>Dismantling and assembly of a hand operated sewing machine</p> <p>Usage of various components of machines with respect to various operations</p>
<p>3. Attachments: Tuckers, hemmer, seam, guide, binders, quilters button hole, attachment folders, trimmers</p> <p style="text-align: right;">(10 hrs)</p>	<p>Dismantling and assembly of a treadle operated sewing machine with all attachments</p>
<p>4. Elementary knowledge of following machines and their components:</p> <ul style="list-style-type: none"> - Lock stitch machine - Chain stitch machine - Over lock machine - Button hole machine - Zig-zag machine - Double needle lockstitch machine - Bar-tacking machine - Blind stitch machine - Flat lock machine <p style="text-align: right;">(10 hrs)</p>	<p>Demonstration of parts of various machines or visit to a garment manufacturing unit to study different types of garment manufacturing machines</p>

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| 5. | Necessity of preventive periodic and corrective maintenance | Cleaning and lubricating of different types of sewing machines |
| | (04 hrs) | |
| 6. | Types of lubricating oil used, maintenance schedule for lubricating the machines | |
| | (02 hrs) | |
| 7. | Common defects of sewing machine | Rectification of sewing machine defects |
| | (03 hrs) | |
| 8. | Federal stitch standards – various stitch types as per international standards – class 100, 300, 500, 600 | Demonstrate various types of stitches in the laboratory or visit to a garment manufacturing unit to show various types of stitches |
| | (07 hrs) | |
| 9. | Fusing and Pressing equipment | Exercises on fusing and pressing of garments |
| | (02 hrs) | |

INSTRUCTIONAL STRATEGY

The students should be given exercises on fault finding and repairing the defective machines by demonstration so that they are able to maintain the garment machinery in proper working condition