

Preface to Latest (NSQF Level-4/5 Compliant) Edition

Directorate General of Training (DGT) under the Ministry of Skill Development & Entrepreneurship, being the apex organization for development and coordination of vocational training at the national level, undertakes steps from time to time to improve its various aspects in line with changing market and industry requirements. In 2015, DGT initiated the process of incorporating the concept of competency based curricula. Presently curriculum of all CTS trades stand revised, updated and made NSQF compliant at appropriate levels. The curriculum for Fashion Design and Technology trade has been fixed at level 4.

Keeping these latest changes in view, all topics in NSQF Level-4 curriculum have been covered in this book. As per DGT order No. MSDE–18011/DGT/2017 TTC dated 19th April, 2018 trade tests are to be held annually starting with trainees admitted in August 2018 session, the semester system having been done away with. However, it further clarified in this order as follows:

“First annual exam has to be conducted after completing the training as per syllabus of both semester I & II combined. Similarly second annual exam has to be conducted after completing the training as per syllabus of both Semester III & IV combined”

The above order therefore, makes it amply clear that whereas trade tests are to be held annually, but the syllabus still continues to be semester-based. Trainees are accordingly advised to study the subject matter given in this book for Semester I & II when preparing for Annual Trade Test.

This book, after introducing the trainees to the trade and basic equipment for fashion designing, inspires them to create various patterns of clothing, along with giving them thorough knowledge about different types of fabrics. It also covers a lesson on how to use CorelDraw for fashion designing. The second half of the book puts more focus on making students aware of various career opportunities available in the field of fashion. Lastly, the Practical part covers a complete guide for Cutting and Drafting garments for kids, ladies and gents.

Hence, covering a wide range of knowledge about fashion, this book not only serves the needs of Instructors and trainees, but can also serve as a reference book for self-learners.

In our endeavour to keep the quality and usefulness for learners, both instructors and trainees, we have given Theory, Assignment/Test (MCQs) and Practical together in this volume, which we hope, will be of great help and use in preparing for the trade test and achieve still better success in the final examination.

Undoubtedly suggestions are welcome from our esteemed readers for further improvement of this volume.

— Authors

Contents

NSQF (Level-4) compliant competency based curriculum for Fashion Design and Technology Theory and Practical)..... ix – xvi
Fashion Design and Technology Vocabulary I – IV

For Annual A.I.T.T. Exam SEMESTER 1

1. **Introduction to the Trade** 3–8
Trade Knowledge, Safety Precautions, Employees' safety, Electrical Safety, Inspection
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 8
2. **Tools and Equipment** 9–13
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 13
3. **Sewing Machine** 14–22
Types of Sewing Machines, Parts of a Sewing Machine and Their Functions, Common Machine Troubles, General Care and Use of Sewing Machines, Machine faults and their remedies, Needles, Scissors
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 22
4. **Industrial Sewing Machines and Cutting Machines** 23–30
Industrial Sewing Machines, Electric Cutting Machines, Sewing Needles and Thread, Broken Needle Disposal Policy
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 29–30
5. **Elements of Designing**..... 31–36
Principles of Designing, Balance, lines, Specifications of Designs in Garments
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 36
6. **Fundamentals & Basics of Colour**..... 37–42
Knowledge of Colours, Principles of Colours, Standard Colour Scheme, Dress Etiquettes
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 42
7. **Sources of Inspiration for Designing** 43–49
Nature, Artefacts, Geometrical shapes, Mythology, Architecture, Actors, Society, Colour in Fashion Designing, Colour Psychology
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 49
8. **Sketching Techniques and Draping** 50–63
Preliminary sketch or Croquis, Starting your sketch, Mechanical and optical space, Silhouette, Motif-Enlargement and Reduction, Draping
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 62–63
9. **Basic Process of Garment Making** 64–69
Hand Sewing Stitches, Running Stitch, Blanket Stitch, Hemming Stitch, Top Stitch, Back Stitch, Whip Stitch, Chain stitch, Lock stitch, Seams And Seam Finishes, Choice of Seam, Types of Seam, Seam Finish
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 69
10. **Garment Production Systems**..... 70–93
Individual System, Factory Production System, Progressive Bundle System, Unit Production System, Modular Production System, Shirt Stitching, Trousers Stitching, Role of Supervisor in Garments Production, Ready-Made Garments and their selection, Selection of Towel, Selection of Curtains, Selection of Carpet/Dari, Selection of Bedsheets, Selection of Table Cloth/ Table Linens, Garment Fitting, Garment Defects.
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 92–93
11. **Body Measurements** 94–103
Methods of Correct Measurement, Relationship of Measurements, Scale of Measurement, Direct Measuring System, Measurement chart
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 103
12. **Paper Patterns** 104–109
Types of Paper Patterns, Principles for Pattern Drafting, Advantages of Paper Patterns, Draping, Pattern Alteration
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 109
13. **Bodice Block** 110–124
Garment Ease, Garment Fitting, Pattern Construction, Flat Pattern Cutting, Basic Bodice and Dart Manipulation, Drafting a custom fit Bodice Pattern Block, Direct Drafting, Adaptation of Basic Block
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 124
14. **Necklines and Collars** 110–132
Types of Necklines, Prevention of Gaping, Size of Neckline, Neckline Finishing, Bias Piece, Facing, Binding, Collar, Types of Collars
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 132
15. **Sleeves and Pockets**..... 133–139
Sleeve Types, Types of Sleeve Finishes, Pockets, Types of Pockets, Selection of Pocket Design, Creating Variety In Pocket Design, Construction of Pocket
 - **Short Q-Ans. helpful in solving MCQs**
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 138–139
16. **Yokes, Plackets and Fasteners** 140–148
Yokes, Selection of Yoke Design, Creating Variety In Yoke Designs, Preparing Patterns of Different Types of Yokes, Plackets and Fasteners, Placket Types, Fasteners
 - **Assignment/Test—Solved (Multiple Choice Questions)**..... 147–148

17. **Skirts** 149–153
Skirt Types Based on Length, Skirt Types Based on Design, Finishing Waistline
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 153
18. **Introducing Fullness** 154–169
Pleats, Gathers, Shirring, Frill or Ruffle, Darts, Quilting Stitch, Tucks, Ruching, Style Line
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 168–169
19. **Trimming, Interlining, Fusing Technique and Hems** 170–177
Trimming, Lining and Interlining, Fusing Technology, Hem
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 177
20. **Textile Fibre** 178–183
Classification of Fibre, Vegetable Fibre or Cellulosic Fibre, Yarns, Direction of Twist, Yarn Manufacturing System
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 182–183
21. **Fabric Manufacturing**..... 184–195
Weaving, Types of Weaves, Knitting, Felting, Braids, Lace, Finishing of Fabric, Special Finishes for Synthetic Fibres.
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 193–195
22. **Dyeing and Printing** 196–201
Dyeing, Dyes, Printing, Different Styles of Printing
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 200–201
23. **Introduction and Identification of different Fabrics** 202–232
Cotton, Linen, Wool, Silk, Rayon, Nylon, Dacron, Orlon, Organza, Lace, Braided Fibres, Corduroy or Cords, Pile
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 229–232
24. **Precautions while working with different kinds of Fabrics** 233–239
Characteristics of Cotton Clothing, Colourfast Fabric, Characteristics of Silk Fabrics, Characteristics of Wool Fabrics, Prepare Fabric before Cutting, Prepare Fabric for Sewing
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 239
25. **Role of CorelDraw in Fashion Designing**..... 240–256
Toolbox, Starting a Document, Creating Text, Drawing Basics, Drawing Rectangles and Squares, Drawing a Polygon, Drawing Spirals, Drawing Polygons and Stars, Drawing Predefined shapes, Applying Uniform Fills, Working with Bitmaps, Working with Templates, Undoing and Redoing and Repeating Actions, Zooming, Panning and Scrolling, Previewing a Drawing, Working with views, Save a Drawing, Quitting CorelDraw, Printing in CorelDraw, Keyboard Shortcuts
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 254–256

<p>For Annual A.I.T.T. Exam SEMESTER 2</p>

1. **Human Anatomy and Figures** 3–11
Anatomy for a Tailor, Human Bodies, Eight Head Theory, Eight Heads, Joints, Muscles and their Movement, Muscles, Different Types of Human Bodies
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 10–11
2. **Fashion Drawings** 12–16
3. **Draping**..... 17–18
Principles of Draping, Methods and Techniques of Draping, Mechanism of Draping
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 18
4. **Introduction to Kids Patterns**..... 19–24
Standard Measuring Point for Children, Sleeve Block, Child Bodice Block, Skirt Block, Pattern Manipulation, Block pattern, Jeans, Sleeve Manipulation, Collar Manipulation
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 24
5. **Indo Western Ladies Wear** 25–27
6. **Rendering of Different Types of Fabrics** 28–29
 • **Assignment/Test—Solved (Multiple Choice Questions)**..... 163–167
7. **Trims and Accessories for Fashion**..... 30–36
 • **Assignment/Test—Solved (Multiple Choice Questions)**.....35–36
8. **Wardrobe Planning** 37–38
 • **Assignment/Test—Solved (Multiple Choice Questions)**.....38
9. **Care and Storage of Clothing**..... 39–50
Methods of Removing Stains from Different Fabrics, Classification of Stains, Repair or Mending of garments, Patching, Quality Control, Quality Assurance (Q.A.), Statistical Quality Control (SQC)
 • **Assignment/Test—Solved (Multiple Choice Questions)**.....48–50
10. **Career in Fashion Industry**..... 51–53
Fashion Designing, Education and Industry, Auxiliary Services in Fashion Design, Fashion Design Technician
 • **Assignment/Test—Solved (Multiple Choice Questions)**.....52–53
11. **Study of Fashion Fraternity** 54–56
Leading Fashion Designers of India, Textile Designers, What type of skills are required for a textile designer?
 • **Assignment/Test—Solved (Multiple Choice Questions)**.....56

12. Fashion Trend..... 57–58
 • Assignment/Test—Solved
 (Multiple Choice Questions).....58
13. Meaning and Scope of Business
 and Marketing..... 59–64

Marketing and Merchandizing, Basic concepts of marketing, Methods of Marketing, Market Research, Market Segmentation, Marketing and Merchandising
 • Assignment/Test—Solved
 (Multiple Choice Questions).....63–64

For Annual A.I.T.T. Exam
TRADE PRACTICAL
 SEMESTER 1 AND 2

1. Important Knowledge About Drafting 3
 Drafting Method
2. Drafting Method of Upper and
 Lower Body Garments 4
3. Garments for New Borns, Toddlers and Kids 5–43
 Baby set, Baby Chemise, Smart Fitting Petticoat, 'A'
 Line Frock, Lay out of smart fitting petticoat, Layout of
 'A' Line Frock, Layout of 'A' Line Frock, Romper, Sun
 Suit, Jump Suit or Slacks, Yoke Frock or Short Body
 Frock, Plain Frock, Layout of Plain Frock, Umbrella
 Cut Frock, Layout of Umbrella Cut Frock, Coat Frock,
 Baby's Night Suit, Layout of Baby's Night Suit, Collar
 Blouse For Skirt, Eight Gore Flared Skirt, Layout of
 Eight Flared Skirt, Umbrella Cut Skirt, Divided Pleated
 Skirt, Meet Pleated Skirt.
4. Garments for Ladies 44–97
 Four Pieces Petticoat, Six Pieces Petticoat, Lay Out
 of Six Piece Petticoat, Smart Fitting Petticoat, Plain
 Blouse, Lay Out of Blouse, High-Neck Blouse, Cut
 and Mega Sleeves Blouse, Raglan Sleeves Blouse,
 Lay Out of Raglan Sleeves Blouse, Choli Cut Blouse,

Lay Out of Choli Cut Blouse, Katori Style Blouse, Dart
 Pattern Blouse, Designer Blouse with Princess cut,
 Kurta Style Shirt, Ladies Shirt (Ordinary), Hip Tight
 and Magyar Sleeves Shirt, Modern Panelled Shirt,
 Shirts with Styled lines, Angarakha Shirts, Anarkali
 Style Shirt, Kinds of Salwars, Layout of Salwar-1,
 Layout of Salwar-2, Other Types of Salwars, Belted
 Salwar, Afghani Salwar, Marjina Salwar, Nighty,
 Lady's Night Suit, Layout of Lady's Night Suit,
 Brassiers, Lay out of Brassiers.

5. Garments for Gents 98–140
 Ordinary Pyjama, Dhingli Cut Pyjama, Layout of
 Dhingli Cut Pyjama, Churidar Pyjama, Pant Style
 Pyjama, Kalidar Kurta, Layout of Kalidar Kurta, Nehru
 Kurta, Bengali Kurta, Boy's Shirt, Gent's Shirt, Layout
 of Gent's Shirt, Open Shirt, Scout Shirt, Manila Shirt
 (Bushirt), Layout of Manila Shirt (Bushirt), Neck Tie,
 Gent's Shorts, Layout of Shorts, Belted Pant, Layout
 of Belted Pant, One Piece Pant (Without Belt), Layout
 of One Piece Pant, Bell Bottom Pant, Elephant
 Bottom Pant or Flared Pant, Baggy Pant.

APPENDIX: Model Papers 1 to 3 (90 MCQs)