SYLLABUS

For

B.Sc. (Fashion Design)

(BSFD)

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School of Film & Fashion Technology

OPJS UNIVERSITY, CHURU (RAJASTHAN)  
2014-15

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# SCHEME OF EXAMINATIONS

## B.Sc., Fashion Design (BSFD)

### First Year

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Paper code</th>
<th>Name of Papers</th>
<th>M.M.(T-S-P)</th>
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<tbody>
<tr>
<td>1.</td>
<td>BSFD-101</td>
<td>Basic Fashion Concepts</td>
<td>70+30+50=150</td>
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<tr>
<td>2.</td>
<td>BSFD-102</td>
<td>Fundamentals of Textiles</td>
<td>70+30+50=150</td>
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<td>3.</td>
<td>BSFD-103</td>
<td>Elements of Design</td>
<td>70+30+50=150</td>
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<td>4.</td>
<td>BSFD-104</td>
<td>Study of Sewing Technology</td>
<td>70+30+50=150</td>
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<td>5.</td>
<td>BSFD-105</td>
<td>Computer Fundamentals</td>
<td>70+30+50=150</td>
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<tr>
<td>6.</td>
<td>BSFD-106</td>
<td>Introduction to Advanced Multimedia</td>
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<td>BSFD-201</td>
<td>Concepts of Pattern Making and Stitching</td>
<td>70+30+50=150</td>
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<td>2.</td>
<td>BSFD-202</td>
<td>Classification of Fashion Areas</td>
<td>70+30+50=150</td>
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<td>3.</td>
<td>BSFD-203</td>
<td>Fashion Illustration</td>
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<td>BSFD-204</td>
<td>Fabric Preparation for Consumers</td>
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<td>5.</td>
<td>BSFD-205</td>
<td>Yarns to Fabrics</td>
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<td>6.</td>
<td>BSFD-206</td>
<td>Financial and Management Accounting</td>
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### Third Year

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<td>Garment Manufacturing</td>
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<td>2.</td>
<td>BSFD-302</td>
<td>Introduction to Merchandising</td>
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<td>Production &amp; Operations Management</td>
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<td>Quality Control Practices</td>
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<td>Electronic – Commerce</td>
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<td>6.</td>
<td>BSFD-306</td>
<td>Fundamentals of CAD Application</td>
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Details of Syllabus

First Year

BSFD-101- BASIC FASHION CONCEPTS

Block I: Fashion terminology

Unit 1:
Fashion industry language

Unit 2:
Fashion terminology

Unit 3:
Terminology of colors

Unit 4:
Fabric terms

Unit 5:
Fashion accessories terminology

Unit 6:
Common sewing terms

Block II: Fashion Evolution

Unit 1: Beginnings of costumes
Body Painting; Body Ornamentation

Unit 2: The Egyptian costumes
Attire for Men; Attire for Women; The Wigs; Beards; Crowns; Footwear; Ornaments; Colors; Jewellery and Accessories

Unit 3: The Grecian costumes
Chiton; Himation; Hair; Head-Dress; Ornaments; Colors; Foot wears; Toilette Accessories

**Unit 4: The Roman costumes**

Toga; Stole; Ornaments; Hair Styles; Footwear; Toilette Accessories

**Unit 5: Effects of industrial revolution on costumes**

Growth of Middle Class: Establishment of the Business Suit; Social Changes and Women’s Fashion; Mass Production of Clothing: Invention of the sewing machine, Mass Production of Women’s Separates; Changes Caused by Communications; Leisure and Industry: The first Fashion Magazines, Growth of Leisure Activities

**Unit 6: Effects of world war on fashion**

Women in the workforce; Important Trend setting designers: Paul Poiret, Gabrielle Chanel, Jean Patou; Retail Expansion; Effects of Depression; Hollywood’s Influence on Fashion; Effects of World War II; Post War Fashion: American Fashion

**Block III: Fashion Development**

**Unit 1: Fashion terms**

Fashion Terms: Fashion, Change, Acceptance, Taste

**Unit 2: Fashion cycles**

Stages of the Fashion Cycles: Introduction, Increase in Popularity or Rise, Peak of Popularity or Culmination, Decline in Popularity, Rejection of a Style or Obsolescence; Length of Cycle: Classics, Fads, Cycles within Cycles, Interrupted Cycles, Recurring Cycles

**Unit 3: Consumer groups**

Fashion Leaders: Fashion Innovators, Fashion Motivators or Role Models; Fashion Victims; Fashion Followers; Fashion Leadership in Manufacturing and Retailing: Fashion forward stores, Main Stream Retailers, Mass Merchants

**Unit 4: Adoption of fashion**

Traditional Fashion Adoption or Trickle Down Theory; Reverse Adoption or Trickle-up Theory; Mass Dissemination or Trickle-Across Theory
Unit 5: Consumer buying

Consumer Motivations: To be Fashionable, To be Attractive, To impress others, To be accepted by Trends, Peer Groups or Colleagues, To fill an Emotional Need; Fashion Section; Aesthetic Appeal: Colour, Texture, Style; Practical Consideration: Price, Fit, Comfort, Appropriateness; Brand or Designer Label; Fabric Performance and Care; Quality; Convenience

Unit 6: Fashion categories

Women’s Wear: Clothing Categories, Size Ranges, Styling and Price Range; Men’s Wear: Clothing Categories, Styling, Price Ranges, Size Ranges; Children’s Wear: Categories, Sizing, Styling, Price Ranges

Block IV: International Fashion

Unit 1: Introduction-global nature of fashions

International Fashion; Promotion and Licensing; Business Partners; Company Ownership

Unit 2: France

Haute Couture in France: Client, Publicity, Creative Opportunities; Couturiers; Federation Francaise De La Couture; Ateliers; Prêt-A-Porter in France: Prêt-A-Porter Designers

Unit 3: Italy

Milano (Milan); Italian Designers

Unit 4: The United States

The Seventh Avenue; Company size and Ownership; Globalization; International American Designers; Regional Fashion Centres: California

Unit 5: England

Savile Row; Women’s Apparel; Designers

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BSFD-102- FUNDAMENTALS OF TEXTILES

Unit 1: Introduction to textile fibers

Classification of fibers; Properties of fibers

Unit 2: Cotton

History of Cotton; Types of Cotton; Cultivation of Cotton; Evaluation of Cotton Fabrics

Unit 3: Linen

History of Linen; Quality and Grade of Linen; Cultivation of Linen; Evaluating Linen Fabrics

Unit 4: Wool

History of Wool Fibers; Classification of Wool Fibers; Manufacturing Process of Wool; Evaluating the Wool Fabrics

Unit 5: Silk

History of Silk; Manufacturing Process of Silk; Evaluating Silk Fabrics

Unit 6: Rayon

History of Rayon’s; Basic Method of Producing Rayon Filament; Types of Rayon Manufacturing Process; Types of Yarns; Evaluating Viscose Rayon

Unit 7: Acetate and Triacetate

History of cellulose Acetates; Manufacturing Process of Acetate Filaments; Types of Acetate Yarns; Evaluating Acetate Fabrics; History of Triacetate; Manufacturing Process of Triacetate Yarns; Types of Triacetate Yarns; Evaluating Triacetate Fabrics

Unit 8: Nylon

History of Nylon; Manufacturing Process of Nylon; Manufacturing Process of Nylon 6.6; Manufacturing Process of Nylon 6; Types of Nylon Yarn; Evaluating the Nylon Fabrics

Unit 9: Aramid
History of Aramid; Manufacturing Process of Aramid; Types of Aramid Fibers; Evaluation of Aramid Fabrics

Unit 10: Polyester

History of Polyesters; Manufacturing Process of Polyester Fibers; PET polyester; PCDT polyester; Types of Polyester Yarns; Evaluating Polyester Fabrics

Unit 11: Acrylic

Manufacturing Process of Orlon Acrylic; Types of Orlon Acrylic Yarns; Evaluating Orlon Acrylic Fabrics; Manufacturing Process of Acrylian Acrylic; Types of Acrylian Acrylic; Evaluating Acrylian Acrylic Fabrics

Unit 12: Minor natural fibers

Different Minor Vegetable Fibers; Different Minor Mineral Fibers.

Unit 13: Identification of textile fibers

Non Technical Methods of Identification of Fibers; Technical methods of Identification of Fibers.

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BSFD-103- ELEMENTS OF DESIGN

Block I: Figure analysis

Unit 1: The eight head and the ten head theory

The eight head figure; Advantages of eight head figure; The ten head figure

Unit 2: Different types of figures

Normal figure; Abnormal figures; Methods of rectifying abnormal figures

Block II: Elements of Design

Unit 1: Colour
Concept of color; Dimensions of color; The color wheel; Colour harmony; Qualities of color; Philosophy of colors; Colour in clothing; Use of colors

Unit 2: Texture
Components determining color; Fashion in texture; Selection of textures; Characteristic features

Unit 3: Line
Straight line; Curved lines; Line movements; Mood of lines

Unit 4: Silhouette
Kinds of silhouettes

Block III: Principles of Design

Unit 1: Balance
Classification of balance

Unit 2: Rhythm
Methods to create rhythm; Types of rhythm

Unit 3: Emphasis
Methods of creating emphasis

Unit 4: Proportion
Basic law of proportion; Relationship with other elements

Unit 5: Harmony
Unity in clothing

Block IV: Design application

Unit 1: Design and motifs
Types of design; Types of motif; Naturalistic motif; Geometrical motif; Stylized motif; Abstract motif
Unit 2: Lay out and placements

Types of lay out

Unit 3: Ornamental motif

Spirals; scrolls; meanders and key patterns; Swastika; Animals and mythological motifs; The lotus and papyrus; The palmette; The acanthus and leaf scrolls; The celtic scroll; The rosette and intersecting circles; Twists; plaits and interlace motifs; Geometrical constructions

Block V: Design development

Unit 1: Fashion forecasting

Fashion forecasting; Market research; Evaluating the collection; Fashion services; Colour services; Video services; Web sites; Directories and reference books; fashion editing; Catalogues

Unit 2: Product development

Merchandising; Seasons; Product development flow chart

Unit 3: Design development

Groups; Items; Design elements; Design principles; Sketching ideas

Unit 4: Developing a sample

The first pattern; Designers work sheet; Line selection

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BSFD-104- STUDY OF SEWING TECHNOLOGY

Unit 1: Sewing Machine
Parts of sewing machine; Operating the machine; Adjustments; Care of the machine; Minor troubles and their causes; Sewing machine attachments; Different types of sewing machines; Needle and its parts

**Unit 2: Stitches**

Temporary stitches; Permanent Stitches; British standards for stitches

**Unit 3: Seams and seam finishes**

Types of seams and their choices; Different Common Seams; Seam finishes; British standards for seams

**Unit 4: Fullness**

Darts; Tucks; Pleats; Flares; Godets; Gathers and shirrs; Frills and ruffles

**Unit 5: Facing and Binding**

Different types of necklines; Bias; Facings; Binding

**Unit 6: Plackets**

Requirements of a good placket; Inconspicuous placket; Conspicuous plackets

**Unit 7: Fasteners**

Position of buttonholes; Types of button holes; Button loops; Types of buttons

**Unit 8: Sleeves**

Construction of different types of sleeves: Plain set in sleeve, Puff sleeve, Raglan sleeve, Kimono sleeve

**Unit 9: Collars**

Construction of different types of collars: Peter pan collar, Sailor collar, Shirt collar, Mandarin collar, Tie collar, Turtle neck collar, Shawl collar

**Unit 10: Yokes**

Attaching the yokes
Unit 11: Pockets

Types of pockets; Selection of the pocket; Creating variety in the pocket; Constructing different types of pockets: Patch pockets, Bound pockets, Pocket in seam, Front hip pocket

Unit 12: Hems

Preparing the hem; Types of hems

Unit 13: Mending

Darning; Patching

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BSFD-105- COMPUTER FUNDAMENTALS

Basics of Information Technology

Unit 1: Introduction to Information Technology

What is Information Technology; Data; Instruction and Information; Properties and Scope of Information; Information Economics; Information System; Types of Information System; Types of Information Computing Models; Internet

Unit 2: Introduction to Computers

Introduction to computer and associated terms; Computer; Input devices; Output devices; CPU - Central Processing Unit; Secondary Storage Devices; Hardware; Peripheral devices or peripherals; Terminal; Port; Advantages of a computer; Computers and its history; Data representation

Unit 3: Hardware

Central Processing Unit (CPU); Primary memory/storage; Secondary memory/storage; Microprocessor; Input devices; Output devices
Unit 4: Software

Software-Generations of languages; Compilers/Interpreters; Classification of software. Operating System; Computer Applications; Introduction to data files; Data processing; Types of data files; Data transfer

Ms-Windows

Unit 1: Windows Accessories

Special Features of MS-Windows; Parts of MS-Windows screen; WordPad; Ms-paint; Notepad; Calculator; Character Map; Phone Dialer.

Unit 2: Control Panel

Starting with Control Panel; Control Panel – Display; Mouse Properties; Keyboard Properties; Regional Settings; Printing

Unit 3: Multi-Tasking

Multitasking; Arranging the open application Windows; Cut and Paste; Object Linking and Embedding; Finding files and folders; My Computer; Windows Explorer; Creating a folder; Using Recycle Bin; Taskbar settings

Unit 4: Features of Windows

Types of systems; Functions of Operating Systems; DOS commands; UNIX operating system; Virus and Vaccine; Features of Windows 98; Display properties; Recycle Bin; Pre-viewing the document with a quick view; Paths for window Accessories; Icon properties; Using the taskbar features; IMAGING; Saving folder display option; Web View; Using the web view wizard

MS-Windows XP

Unit 1: Windows XP Basics

Features of Windows XP; Comparison – Professional v Home edition; Windows XP Installation; Activating Windows XP; Security Feature of Windows XP; Accessing User Accounts; Getting Help; Installing a program under Windows XP
Unit 2: Windows XP Interface

Windows XP User Interface; Start Menu; Working with recently opened document; Tool Bar; Desktop; Window Explorer; Recycle Bin; Locating files; Windows Media Player; Image Format; Encryption File System; Automating window XP

Unit 3: Security and Networking

Simple file sharing; Advance security setting; Event viewer; Auditing Security; Internet Information Services; Peer to Peer Networking

MS-Word

Unit 1: MS-Word Basics

System requirements; Working with word; Parts or MS-Word screen; Creating a Document; Moving around the document; File operations; Editing the text; Formatting the text; Change case; Moving the text; Copying the text; Undo; Redo and Repeat; Function Icon and shortcut keys; Some shortcut keys for formatting; Exiting Word

Unit 2: Formatting

Paragraph Options; Drop cap; Borders and Shading; Bullets and Numbering; Tab Stop; Find; Replace and Go To; Spelling and Grammar; AutoText; AutoCorrect; Word Count; Text background; Breaks; Columns

Unit 3: Tables; Inserting Objects & Page Design

Table; Inserting Objects; Header /Footer; Footnotes and Endnotes

Unit 4: Mail Merge; Views; Printing & Creating Styles

Mail Merge; Views; Full Screen; Ruler; Zooming; Information; Printing and protecting the document; protecting the document; Style; Template

MS-PowerPoint

Unit 1: Introduction to PowerPoint

Invoking Microsoft PowerPoint; The Initial Screens; The Standard Toolbar; The Formatting Toolbar; The Drawing Palette; Getting ahead with PowerPoint; Slide Layouts;
Getting more familiar with PowerPoint; Editing a Slide; Working with Slides; Slide Back
Ground; Applying Templates; PowerPoint Views; Built-in Wizards

Unit 2: Working with Objects

Inserting the Clip Art Picture into Slide; Slide Show; Using Slide Transitions; Text Build;
Graphics; Creating Tables; Organization Chart; Animation; Inserting Sound in
PowerPoint; Printing

MS-Excel

Unit 1: An Introduction to MS-Excel

Excel Basics; Worksheets Within Workbook; Cell; Navigate Worksheet; Enter and Edit
Data; Range of Cells; Entering and Copying the Formula; Cell References; Setting the
Column Width; Cell Formatting; Save; Close; New; and Open options; To View or to Hide
Toolbars; Copying and Moving the Cell Content; Inserting Cells; Columns and Rows; Exit
from Excel; Importance of Functions; Functions with Examples; Operator; Logical
Functions; Auto Sum; Function Wizard

Unit 2: Cell Formatting; Fill Handle and Range Name

Cell Format Categories; Cell Content Alignment; Applying Font Format; Applying Cell
Borders; Format Painter; Styles; Applying Background To Worksheet; Conditional
Formatting; Auto Fill; Custom List; Range Names; Referring to Other Sheets of the
Same Workbook; Referring to Worksheet in Other Workbook

Unit 3: Graphic Objects and Charts

Graphic Objects; WordArt; Types of chart; Coloring Different Parts of the Chart; Adding a
Data Series; Chart Toolbar; 3-D Charts; Data Series With Drawing Objects; Combination
Chart

Unit 4: Database, Pivot Table & Data Validation

Types of Database; Creating a Database; Data Form; Filtering Database Records; Data
Sort; Data Subtotals; Database or D-Functions; Creating a Pivot Table; Refreshing a Pivot
Table; Changing the Pivot Table Layout; Copying/Deleting the Pivot Table; Changing the
Functions Used in the Calculations; Creating Pivot Tables Using External Databases;
Validating Numbers; Dates; Time and Text; Validating Text; Validating With Lists; Custom Validation; Data Consolidation

Unit 5: Dynamic Data Range and Controls

Reference Function – OFFSET; Dynamic Data range; Dynamic Data range name; Index Function; Forms Toolbar; Creating and Using a list box; Combo Box (Drop down list box); Option Buttons; Check Boxes

Unit 6: Printing a Worksheet

File Protection; What is Analysis and Template; page sheet Setup; Previewing Worksheet Before Printing; Customizing Page Breaks; Worksheet Printing Options; Window; Protection; Auditing; Entering Information; Goal Seek; Data Table; Scenario Manager; Creating Template

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BSFD-106- INTRODUCTION TO ADVANCED MULTIMEDIA

(A) – Photoshop

Unit 1: Introduction

PhotoShop Environment; Toolbox and Tools; Bitmap images and Vector graphics; Image size and resolution: Pixel Dimension, Image resolution, Monitor Resolution, Printer Resolution, Screen Frequency, File Size; Working with Image Files: Open the image files, Print Resolution, Save the Image Files; Duplication and Cropping the Image; File Compression; Image File Formats; PhotoShop Images In Other Applications; Object Linking And Embedding (OLE); Palettes in Photoshop: Layer Palette, Channels Palette, Path Palette, History Palette, Action Palette, Picker Palette, Swatches Palette, Scratch Palette, Info Palette

Unit 2: Working with Colour

Colour modes and models: HSB model; RGB model: RGB mode; CMYK model: CMYK mode; * a * b model; Lab model; Bitmap mode; Grayscale mode; Dutone mode; Indexed color mode; Multichannel Mode; Colour gamut’s; Monitor display: Channel and
bit depth; Conversion between bit depths; Conversion between Colour modes; Conversion between color modes: Conversion between Grayscale and Bitmap mode, Grayscale image to bitmap mode, Predefine bitmap conversion method, Halftone screens for bitmap-mode images, Custom halftone screen for Bitmap-mode image; Conversion to Indexed color; Conversion option for indexed color images; Indexed color tables

**Unit 3: Drawing and Editing**

Shapes; Work path; Shape layer; Creating a work path; Creating rasterized shapes; Using the shape tools; Saving custom shapes; PEN TOOL: Drawing a straight segments; Drawing curve; Freeform tool; The magnetic pen; Overlapping; Path palette: Editing Path; Selection of path segment; Moving; reshaping; deleting of path segments; Moving; reshaping; copying; and deleting path components; Aligning and distributing path components; Editing of anchor points; Managing paths (Photoshop); Converting paths to selection borders; Adding color to paths (Photoshop); Painting tools; Brush tool; Customizing brush libraries; Creating and editing brushes; Setting brush options; Selecting a blending mode; Specifying opacity; pressure; exposure; Art history brush tool; Retouching tool; Smudge tool; Focus tools; Toning tools; Sponge tool; Erasing; Eraser tool; Magic eraser tool; Background eraser tool; Auto Erase option; Gradient filling; Applying a gradient fill; Creating gradient fills; Intermediate colors to a gradient; Gradient transparency; Noise gradient fills; Managing gradients; Paint Bucket Tool; Filling & Stroking; Filling Patterns; To fill the work canvas; To fill a selection with a pattern; Transforming and Manipulating objects; Transforming objects in two dimensions; Transforming objects in three dimensions; Transforming perspective; Specifying the Transform; Applying transformations; Freely transforming and previewing effects

**Unit 4: Layers, Channels, Masks**

Layers; Layers sets; Layer Palette: Viewing and Selection of Layers; Linking Layers; Creating a Layered image; Adding Layers; Duplicating of Layers; Grouping of Layers; Moving; Aligning the contents of Layers; Aligning & Distributing the contents of Linked; Editing of Layers; Locking of Layers; Clipping of Layers; Specifying Layer properties; Layer Style dialog box; Blending Options: Specifying Fill Opacity;
Specifying Knock Options; Blending of Channels; Grouping Blend effects; Specifying range of Blend Layers; Layer Style; Displaying Layer Styles; Palette Styles; Managing Layer Style; Applying Layer Style; Channels and Masks; Channel palette; Selecting and Editing Channels; Managing Channels: Changing the order of Channels; Duplicating of channels; Splitting of Channels; Merging of Channels; Deleting of Channels; Mixing of Colour Channels; Adding Spot colors; Creating spot Channels; Modifying of Spot Channels; Channel Calculations to blend Layers and Channels; Blending Modes; Masks; Quick Mask Mode; Quick Mask Options; Storing Masks; Saving a Masks Selection; Alpha Channels

**Unit 5: Filters for special effects**

Plug-in Filters; Blending Filter Effects; Loading Images and textures; Types of Filters; Lighting Effects type; Choosing a Lighting Effects type; Lighting Effects; Texture

**Unit 6: Text in Image Editing**

Type tool; Paragraph Type: Type layers; Rasterizing Type Layers; Warping Type layers; Creating work path from type; Converting type to shapes; Formatting characters; Changing the case; Formatting Paragraphs; Aligning and Justifying type; Indenting Paragraphs; Paragraph Space; Hyphenation and Justification; Adjusting Hyphenation; Preventing unwanted word breaks; Adjusting spacing; Working with composition; Every line Composer; Single-line Composer

**Unit 7: Image Ready**

Animation; Image Ready; Animation Palette: Adding Frames; Selecting Frames; Tweening Frames; Specifying delay for Frame; Working with layers in Animations; Frame deposal method; Flattening frames into Layers; Viewing Animations; Optimizing Animations; Animated images in Photoshop; Saving Animations; Opening and Importing animation files

**(B) – Corel Draw**

**Unit 1: Introduction**

What is CorelDRAW?; Starting with CorelDRAW; Working with CorelDRAW;
Unit 2: Creating Graphic Objects and Drawing

Drawing Objects; Drawing Spirals; Drawing Lines and curves with the freehand tool; Lines and curves using the Bezier Tool; selecting an object; moving the objects; shaping the objects; working with colors; filing; outlining

Unit 3: Working With Text

Adding paragraph text to fixed sized frames; Adding paragraph text to automatic sized frames; Text Conversion; Artistic text to paragraph text; Artistic text to curves; Adding; modifying and removing the text; Line thickness; Distance between line and text; Superscript; Subscript; Text Case; Text spacing; spacing after paragraph; text alignment

Unit 4: Transformation

Categories of transformation; skewing; mirroring; welding; blending; transparency; contouring; lenses; perspective; power clips; formatting; import dialogue box options

Unit 5: Object Organization

Cloning; grouping and ungrouping; combining and breaking; locking and unlocking; object manager; layer manager

Unit 6: New features of Corel Draw 10

Customization; tools; text handling; image optimizer; color and printing.

(C) – Internet; HTML & Multimedia

Unit 1: Introduction to Internet

What is Internet?; Connecting to the Internet; Web Browsers; How does the Internet Work?; What you can do with the Internet; History of Internet

Unit 2: WWW; TELNET and FTP

World Wide Web; Search Engines; Helper Applications; Internet Relay Chat (IRC); Telnet; FTP applications
Unit 3: TCP/IP

TCP/IP; Internet Standard; Domain Names and IP addressing; Setting up Internet on a PC.

Unit 4: Electronic Mail

Advantages of Electronic Mail; E-mail Addresses and Mail boxes; How E-mail Works?; E-mail Options E-mail Software; Micro-Soft Outlook Express; Netscape Messenger

Unit 5: HTML an Introduction

Introduction to URI; History of HTML; Structure of HTML document; Structuring your Web Page; Adding Comments; Formatting your Text; Creating Lists; Creating Hyper Text Links; Creating Definition List; Creating Link Lists; Inserting Inline Images; Creating Image Links; Horizontal Rules

Unit 6: WEB PAGE authoring using HTML

Objective; Tables; Frames; Forms

Unit 7: MULTIMEDIA

What is Multimedia? System Requirements; Sound; Voice Recognition; Creative Software Utilities for Multimedia; Graphics; Animation; Video; Multimedia Application

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Second Year

BSFD-201- CONCEPTS OF PATTERN MAKING AND STITCHING

Block I: Pattern making

Unit 1: Patterns for Children garments
Romper; Baby frock with Peter Pan collar; Shorts with pleats; Shorts without pleats

Unit 2: Patterns for Female Garments

Simple top (plain sleeve; chudidar sleeves); Simple kameez; Simple salwar; Kali salwar; Chudidar; Night gown with front gathers; Night gown with gathers in the front and the back; Skirts; Simple collar shirt; Choli; Kitchen apron

Unit 3: Patterns for Male Garments

Trousers with pleats; Shirt

Unit 4: Dart manipulation

Combining darts; Dividing darts; Converting darts into seam lines

Unit 5: Draping

Draping of a form; Draping a plain blouse: the blouse front, the blouse back, the sleeve; Draping a two-gored skirt; draping a four-gored skirt;

Block II: Grading

Unit 1: Introduction to grading

Relevant terms of grading; Selecting a grading system; Criteria for selecting a grading system; Grading Techniques

Unit 2: Two-dimensional grading

Two dimensional draft grading; Two dimensional track grading

Unit 3: Three dimensional draft grading

Draft grading the basic blocks: Grading the back bodice, Grading the front bodice, Grading the sleeve block, Grading the skirt

Unit 4: Few tips to stitch knit fabrics

Preparing to sew; Stitching and handling

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BSFD-202- CLASSIFICATION OF FASHION AREAS

Unit 1: Classification of Fashion

Classification of fashion; Principles of fashion; Misconceptions of fashion; Present structure of the fashion industry; Functions of clothing; Factors which affect fashion movement

Unit 2: Costumes of Middle Ages- France

Gallo roman period: Costumes of Gallo roman period, Accessories of Gallo roman period; Merovingian period: Costumes of Merovingian period, Accessories of Merovingian period; Byzantine period: Costumes of Byzantine period, Accessories of Byzantine period; 11th Century: Costumes of 11th Century; 12th Century: Costumes of 12th Century; Accessories of 12th Century

Unit 3: The Renaissance in France- 1500

Costumes of the Renaissance in France (1500); Head dress of the Renaissance in France (1500); Accessories of the Renaissance in France (1500)

Unit 4: The Renaissance in France (1600)

Costumes of Renaissance in France (1600); Accessories of Renaissance in France (1600); Hair styles of Renaissance in France (1600)

Unit 5: French Costumes (1700)

Costumes of French (1700); Accessories and hair styles of French (1700);

Unit 6: Colonial costumes in America

Colonial costumes in America; Hair styles and accessories of colonial period in America

Unit 7: American Costumes (1781-1900)

Costumes of America (1781-1900); Accessories of America (1781-1900)
Unit 8: American Costumes (1900-1920)
Costumes of America (1900-1920); Accessories of America (1900-1920)

Unit 9: American Costumes (1920-1940)
Costumes of America (1920-1940); Accessories of America (1920-1940)

Unit 10: American Costumes (1940-1956)
Costumes of America (1940-1956); Accessories of America (1940-1956)

Unit 11: History of Indian costumes
Stone age period; Indus valley period; Early Vedic period; Post Vedic period; Mauryan period; Gupta period; Mughal period; British period; Modern age

Unit 12: Traditional costumes of India
Costumes of Northern and Western regions: Kashmir, Himachal Pradesh, Punjab, Haryana, Rajasthan, Gujarat, Uttar Pradesh and Bihar, Madhya Pradesh; Costumes of Southern region: Maharashtra, Karnataka, Andhra Pradesh, Tamilnadu, Kerela; Costumes of Eastern region: Bengal and Orissa, Sikkim, Assam, Meghalaya, Tripura, Mizoram, Manipur, Nagaland, Arunachal

Unit 13: Traditional Indian textiles
Muslins; Dacca saris; Chanderi saris; Baluchar Buttedar; Kam Khawb; Bafta and Ab-i-rawan (Brocade); Bafta or pot thans; Ab-i-rawan; Himrus and Amrus; Paitahni and pitambar; Patola; Bandhanis; Kalmendar or Kalamdar

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BSFD-203- Fashion Illustration

Unit 1: Introduction to Designing
Stages of the designing process; Stages of drawing; Layout and presentation effects; First fashion magazine
Unit 2: Basic Anatomy

Skeleton; Muscles; interpreting anatomy; Block figures; Movement figure; Learning figure basics

Unit 3: Design Ideas I

Techniques of controlling fullness: Darts, Style lines, Yokes, Techniques of imparting fullness: Pleats, Tucks, Gathers, Shirring, Frills, Ruffles; Types of Necklines; Draping sleeves; Draping collars; Draping lapels; Cuffs; Drawing cascades; Drawing cowls; Drawing quilting; Drawing smocking; Details applied to the garment; Classic drape

Unit 4: Design Ideas II

Draping skirts: Draping skirts on the figure; Flared and Gathered Skirts; Hemline; Waistlines; Draping pants; Draping Pants on the Figure; Pockets

Unit 5: Drawing Female Figures

Drawing female figure free hand; Creating the profile figure; Profile pose; Achieving balance and movement; The fuller figure; Drawing legs: Form and shape; Drawing Arms: Form and Shape; Drawing hands; Posing hands for a fashion sketch; Drawing feet; Drawing the Head; Sketching women’s jackets; Sketching women’s tops and blouses; Sketching women’s lounge wear; Sketching women’s coats

Unit 6: Sketching Male Figures

Drawing men; Comparison of men and female figure; Learning men’s figure basics; Men’s fashion details; Drawing men’s head; Drawing hair styles for men; Drawing men’s shoes; Rotating arms and legs; Men’s jackets and coats

Unit 7: Sketching Children Figures

Children age groups; Drawing children figure proportions; Drawing children’s arms and legs; Drawing children’s hands; Drawing children’s legs and feet; Posing children figures; Dressing children; Drawing children’s head; Hair styles for children

Unit 8: Sketching Accessories

Sketching Jewellery; Sketching sun glasses; Sketching hats; Detailing for other accessories
Unit 9: Design and Your Figure

Classification; Optical illusion with Lines; Selection of Cloth for Different Figures; Types of Designers; The Designer’s Job; Sources of Inspiration for Designers; Essential Features for a Successful Design

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BSFD-204- FABRIC PREPARATION FOR CONSUMERS

Unit 1: Mechanical Finishes

Classification of the finishing processes; Converting gray fabrics; Preparatory processes; Mechanical finishes: Singeing or gassing, Tentering, Crabbing, Decating, Calendering, Beetling, Glazing, Schreinerizing, Embossing, Moiering, Ciering, Raising, Napping, Gigging, Shearing

Unit 2: Chemical Finishes

Bleaching; Mercerization; Ammoniating; Shrinking; Fulling; Stiffening; Weighting; Crepe and crinkled effect

Unit 3: Special Finishes

Shape retentive finish; Wrinkle-resistant finish; Wash and wear finish; Permanent press finish; Water repellency; Water proofing; Absorbency finish; Soil repellence; Soil release; Flame retardants; Moth proofing; Mildew proofing; Anti bacterial finish

Unit 4: History of Dyes

Indigo of ancient India; The purple of the ancients; Natural mordant dyes; Era of synthetic dyes; Fluorescent brighteners; Reactive dyes
Unit 5: Selection of dyes and dyeing method

Selection of dye: Natural dyes, Synthetic dyes; Selection of dyeing methods: Stock dyeing, Top dyeing, Yarn dyeing, Piece dyeing, Dope dyeing, Garment dyeing

Unit 6: Printing-I (Direct printing and Discharge printing)

Dyes used for printing; Classification of printing methods; Direct printing: Block printing, Roller printing, Duplex printing, Stencil printing, Screen printing, Transfer printing

Unit 7: Printing-II (Resist Printing)

Batik Dyeing: History of batik Dyeing, Process of Batik dyeing; Tie Dyeing: History of Tie dyeing, Process of Tie dyeing

Unit 8: Other Methods of Printing

Flocking; Marbling; Blotch printing; TAK Dyeing; Jet Spray painting: Polychromatic dyeing, Micro jet printing; Electrostatic printing; Photo printing; Warp printing; Air brush spray painting; Composition or paste designing

Unit 9: Denim-Processing

History of Denim; Processing Denim: Processing denim fabric, processing denim garment

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BSFD-205- YARNS TO FABRICS

Unit 1: Introduction to weaving

Basic terms in weaving; History of weaving; Parts of the loom

Unit 2: Loom and types

Different types of looms: Shuttle looms, Shuttle less loom

Unit 3: Weaving
Preparation for weaving; Essential weaving operations; Selvages; Construction of cloth designs; Thread count; Classification of weave: Plain weave, twill weave, Satin weave, Crepe weave, Pile weave, Double cloth weave, Gauze weave, Swivel weave, Lappet weave, Dobby weave, Jacquard weave; Distinguishing warp and filling; Identifying right side of the fabric

**Unit 4: Hand Knitting**

Abbreviations of knitting; History of knitting; Knitting needles and yarn used for knitting; Steps in Knitting: Casting on, Basic stitches of knitting, Binding off; Knitted pattern stitches: Decreasing, Increasing, Working with color: Joining the color, Joining color within a row, Intarsia, Carrying the yarn across the back; The Gauze

**Unit 5: Machine Knitting**

Comparison of knitting with weaving; Construction of the knitted fabric; Different types of knitting needles; Classification of knitted fabrics: Weft knitting, Warp knitting; Milanese knit; Simplex knit; Jacquard knitting

**Unit 6: Crocheting**

Abbreviations used in crocheting; Crocheting hooks; Basic steps in crocheting; Basic crocheting stitches; Working in stripes; Working with two colors; Working in rounds; The basic square; Fillet crochet

**Unit 7: Tatting**

Abbreviations for tatting; Equipments required for tatting; Basic steps in tatting; Patterns in tatting

**Unit 8: Decorative fabric construction**

Knotting; Braiding; Netting; Lace; Embroidery

**Unit 9: Felting and non-woven fabric formation**

BSFD-206- FINANCIAL AND MANAGEMENT ACCOUNTING

Block I

Unit 1: Introduction to Accounting

Meaning and Definition of Accounting; Functions of Accounting; Objectives of Accounting; Meaning and Definition of Book-Keeping; Features of Book-Keeping; Branches of Accounting; Kinds of Accounting Activities; Bases of Accounting; Users of Accounting Information; Principal Financial Statements; Elements of Financial Statements

Unit 2: Accounting Concepts; Conventions and Principles

Accounting Concepts; Accounting Conventions; Accounting Principles; Meaning of GAAP; Economic Value Added (EVA); Value Added Concept

Unit 3: Accounting Equation and Transaction Analysis

Assets and Liabilities; Effects of Financial Transaction on Accounting Equation; Transaction Analysis; Classification of Accounts

Unit 4: Systems of Book-Keeping

Single-entry System of Book-Keeping; Advantages of Single-entry System; Disadvantages of Single-entry System; Double-entry System of Book-Keeping; Advantages of Double-entry System; Disadvantages of Double-entry System; Different Terms Used in Book-Keeping; Accounting Cycle

Unit 5: Journal and Subsidiary Books

Meaning of Journal; Form of Journal; Cash Book; Cash Discounts; Petty Cash Book; Subsidiary Books

Unit 6: Accounting Mechanics: Ledger

Meaning and Definition of Ledger; Types of Ledgers; Posting; Form of a Ledger Accounts; Rules regarding Posting
Unit 7: Bank Reconciliation Statement

Meaning of Bank Reconciliation Statement; Need for Bank Reconciliation Statement; Reasons for Difference; Procedure for Reconciliation

Unit 8: Bill of Exchange

Specimen of a Bill of Exchange; Characteristics of Bill of Exchange; Parties to a Bill of Exchange; Advantages of Bill of Exchange; Acceptance of a Bill; Due Date or Date of Maturity of the Bill; Recording the Bill of Exchange; Journal Entries in Respect of Bill of Exchange

Unit 9: Financial Statements

Meaning of Financial Statement; Objectives of Financial Statements; Principal Characteristics of Financial Statements; Constraints on Relevant and Reliability Statements; Trading Account; Profit and Loss Account; Balance Sheet; Limitations of Financial Statements; Adjustments; Problems

Block II

Unit 1: Understanding Cost

Meaning of Cost; Classification of Costs; Statement of Cost or Cost Sheet; Valuation of W- I-P

Unit 2: Inventory Valuation & Control

Meaning of Inventory; Inventory Valuation; AS-2 and Inventory Evaluation; Inventories – Financial Statements; Inventory Control

Unit 3: Job, Batch and Contract Costing

Job Costing; Batch Costing; Contract Costing

Unit 4: Process Costing

Process Costing; Definition and Features of Process Costing; Preparation of Process Cost Accounts; Process Loss; Abnormal Gain; Joint Products and By-products; Accounting for Joint Products; Methods of By-product Accounting
Unit 5: Concept of Budgeting

Meaning of Budgeting; Budgeting and Forecasting; Concept of Budgetary Control; Budget; Budgeting; Budgetary Control; Classification of Budgets; Traditional Budgeting vs. Zero-Base Budgeting; Processes of Zero-Based Budgeting; Advantages of Zero-Based Budgeting; Disadvantages of Zero-Based Budgeting; E-budgeting; Benefits of E-budgeting

Unit 6: Marginal Costing and Break-even Analysis

Meaning of Marginal Costing; Definitions of Marginal Costing; Differentiation between Fixed and Variable Costs; Concepts of Marginal Costing; Break-even Chart; Preparation of Break-even Chart; Advantages of Break-even Chart; Limitations of Break-even Chart; Break-even Analysis; Advantages of Marginal Costing; Limitations of Marginal Costing

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Third Year

BSFD-301- GARMENT MANUFACTURING

Unit 1: Apparel Industry

Present scenario of the garment industry; Flow chart of the garment industry

Unit 2: Cutting Section

Pattern making; Marker Making: Planning for marker, Reproduction of the marker; Spreading: Requirements of the spreading, Methods of spreading; Cutting: Objectives of cutting, Cutting method; Bundling

Unit 3: Sewing Section

Seams and their properties: Seam types, Stitch types, Sewing machine feed mechanism, Sewing machine needle, Sewing threads; Sewing machinery: Basic sewing machinery, Simple automatics, Mechanized work places, Transfer lines
Unit 4: Components and Trims

Sewing thread; Labels and motifs; Linings and interlinings; Wadding; Lace; braid and elastic; Hook and loop fastening; Shoulder pads; Eyelets; Zip fasteners; Buttons

Unit 5: Alternatives of Sewing

Fusing: Requirements for fusing, General fusing conditions, The fusing process: The base fabric of interlining, Type of fusible resin, Mode of applying the resin to the base cloth; Fusing Equipment; Methods of fusing; Welding and adhesives; Moulding

Unit 6: Pressing of garments

Purpose of pressing; Method of Pressing; Varieties of pressing carried out in garment industry; Pressing equipment

Unit 7: Packing Section

Packing equipments; Process of packing; Overall safety measure in production of garment

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BSFD-302- INTRODUCTION TO MERCHANDISING

Block I – Apparel Merchandising

Unit 1: Introduction to an Apparel Export Industry

Basic Structure of an Apparel Export Industry; Major Departments of an Apparel Export Industry: Merchandising Department, Sampling Department, Fabric Department, Cutting Department, Purchase Department, Stores, Production Department, Finishing Department, Documentation Department; Amenities in an Apparel Export Industry

Unit 2: Concept of Apparel Merchandising

What is apparel merchandising?; Process of apparel merchandising / merchandiser; Role of Merchandiser; Functions of Merchandiser; Responsibilities of a Merchandiser; Qualities of Merchandiser
Unit 3: Fashion Merchandising and Design Development

Fashion Merchandising: Merchandise Plan, Scheduling, Seasonal Lines / Collections, Groups; Fashion: Style, change, acceptance; Fashion Cycle; Clothing Categories; Design Development

Unit 4: Marketing Techniques

Purpose of marketing; Market Research; Marketing media or channels; Design Sources; Product and Range Development

Unit 5: Fundamentals of Textiles

Classification of textiles; Fabric or Cloth Construction; Fabric Defects; Shrinkage of Garments; Control of Shrinkage; Yarn manufacturing; Fabric Manufacturing

Unit 6: Accessories

Accessory management; Accessories- Labels; Buttons; Elastic; Zips; Threads; Packing materials

Unit 7: Costing

Components of a garment costing; Types of costing; Factors involved in costing; Details required for costing

Unit 8: Execution of an order

Execution of an order- Merchandising Plan; Sampling; Pattern making; Grading; Production marker; Spreading; Cutting; Preparation for and sewing; Finishing; Pressing; Packing

Unit 9: Documentation

Getting an Importer; Export Correspondence; Steps to Become Garment Exporter; Terms of Payment in International marketing; Export Rules/ Regulations; What does an exporter do before the contract is finalized? What does the exporter do before the contract closure? What does an exporter do when the L/C arrives? Inco terms & export finance
Unit 10: Total Quality management (TQM) and Quality Control

Indian textile sector; Statistical quality control; Garment inspection and measuring guide

Unit 11: The Strengths and Weaknesses of The Indian Apparel Industry

SWOT Analysis- Strengths; Weakness; Opportunities; Threats; A Look into US Textile & Apparel Imports

Block II: Visual Merchandising

Unit 1: Introduction to Visual Merchandising

Visual merchandising and display; Purpose of visual merchandising; Store image; Target customers; Seasonal visual merchandise; Windows

Unit 2: Elements and Principles of Design in Visual Merchandise

Design elements: Colour, Texture, Line; Design Principles: Balance, Emphasis, Proportion, Rhythm, Repetition

Unit 3: Display and Display Settings

Types of display; Promotion vs. institutional display; Type of display setting

Unit 4: Store and Window Settings

Exterior of the store; Window in store front design; Display window; Special windows

Unit 5: Light and Its impact on Colour

Types of lighting in the store: Primary lighting; Secondary lighting; Collared lights and filters; Planning store lighting

Unit 6: Mannequins

Types of mannequins; Alternatives to mannequin; Dressing up of mannequin

Unit 7: Attention Drawing Devices

Attention drawing devices: Colour; Lighting; Line and composition; Scale; Contrast; Repetition; Humour; Mirrors; Nostalgia; Motion; Surprise and shock; Props
Unit 8: Merchandise Display
Planning a display; Visual Merchandiser in store promotion; Scheduling the promotion

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BSFD-303-PRODUCTION & OPERATIONS MANAGEMENT

Unit 1: Basic Concepts
Definition of Production; Types of Production; Production Management; Objectives of Production Management; Operations Management; Production Management and Engineering; Operations Management and Operations Research; Production Organisation

Unit 2: Design and Product
The Competitive advantage of good design; Concepts comprise a package of products and services; The stages of Design from concept to specification; Requirements of a good design; Factors affecting product design

Unit 3: Product Life Cycle
Product life cycle stages; Market specific Product life cycles; The length of product life cycle; Diffusion of Innovations

Unit 4: Product Planning and Development
Meaning of the Product; Classification of Products; Product Development; Product Planning and Development System; Determinants of the Product Mix

Unit 5: Plant Location
Meaning and Definition of Plant Location; The problem of location; Need for plant location; Importance of plant location; Steps in plant location; Factors affecting plant location; Recent Trends in plant location

Unit 6: Plant Layout
Definition of Plant Layout; Need For Plant Layout; Objectives of Plant Layout; Principles of Plant Layout; Factory Layout; Machine Layout; Factors Influencing Plant Layout; Types of Plant Layout; Tools and Techniques for Plant Layout; Layout Procedure; Check List to Know the Effectiveness of a Plant Layout; Advantages of Plant Layout

Unit 7: Materials Handling

Meaning and Definition; Functions and Principles of Material Handling; Selection of Material Handling Equipment; Objectives of Material Handling; Steps in Analysing Materials Handling Problems; Basic Handling Systems; Advantages of Materials Handling System; Evaluation of Materials Handling Performance; Activity Areas of Materials Handling; Material Handling Cost; Unit Load Concept; Flow Pattern

Unit 8: Demand Forecasting

Types of Forecasting; Approach to Forecasting; Length of Forecasts; Forecasting Demand for New Products; Criteria of a Good Forecasting Method; Presentation of Forecast to the Management; Control or Management of Demand

Unit 9: Production Planning and Control (PPC)

Factors determining Production Planning Produces; Production Planning System; Production Control; Objectives of Production Planning and Control; Stages in Production Planning and Control; Principles of Production Planning and Control; Levels of Production Planning; Functions of Production Planning and Control Department; Production Planning Functions; Production Control Functions; Limitations of Production Planning and Control

Unit 10: Production Control and Scheduling

Production Control or Shop floor Activity Control; Operations Planning and Scheduling; Scheduling Techniques for Job Shop; Sequencing Models; Line Balancing

Unit 11: Dispatching and Follow-up

Dispatching; Dispatching In Continuous Production Systems;

Unit 12: Inspection

Meaning and Definition; Objects of Inspection; Organisation of the Inspection Department; Qualities of Inspector; Principles of Inspection; Inspection Standards;
Duties and Responsibilities of Chief Inspector; Function of Inspection Department; Kinds of Inspection; Methods of Inspection; Problems of Inspection; Tools of Inspection

Unit 13: Plant Maintenance

Meaning and Definition; Need for Plant Maintenance; Importance of Plant Maintenance; Functions of Plant Maintenance; Types of Maintenance Functions; Organisation of Maintenance Department; Maintenance System; Types of Maintenance; Recent Trends in Plant Maintenance

Unit 14: Time, Motion and Work Study

Meaning and Definition of Motion Study; Elements of Motion; Rules of Human Motion; Micro-Motion Study; Merits of Motion Study; Meaning and Definition of Time Study; Use of Time Study; Time Study Procedure; Difference Between Time and Motion Study; Meaning and Definition of Work Study; Techniques of Work Study; Use of Work Measurement

Unit 15: Materials Management and Inventory Control

Meaning and Definition; Scope of Materials Management; Advantages of Materials Management; Types of Materials; Organisation of Purchase Department; Centralisation and Decentralisation of Purchase Department; Purchasing Procedure; Storage of Materials; Functions of Stores Department; Types of Store; Classification and Codification of Materials; Inventory Control; Techniques of Tools of Inventory Control; Recent Trends in Materials Management.

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BSFD-304- QUALITY CONTROL PRACTICES

Unit 1: Introduction to quality control

Quality Control in Textile and Clothing Industry; Quality Control: Definitions, Quality and its Importance; Managing Quality: Managing Quality through Inspection, Managing Quality through Testing; Seven Tools of Quality; Standards of Quality Control: Benefits of Standards, Levels of Standards, Sources of Standards; British Standards of Interest to Garment Manufacturers; ISO Standards of Interest to Garment Manufacturers
Unit 2: Inspection- Preproduction Inspection

Fabric Inspection; Sewing Threads; Zippers; Buttons; Buckles and Snap Fasteners; Interlinings

Unit 3: Inspection- In process inspection

Spreading; Cutting; Sewing; Control of Embroidery Operation; Control of Fusing Operation; Pressing

Unit 4: Inspection- Final Inspection

Specification for Final Inspection; Requirements of Quality Inspectors; Sampling

Unit 5: Textile Testing-I

Precision and Accuracy of Testing; Atmospheric Conditions for Testing; Testing Yarns: Yarn Strength and Elongation, Yarn Number, Yarn Twist, Testing Strength of the Apparels; Stretch Properties of the Fabric; Dimensional changes in Apparel due to laundering and pressing; Durable Press Evaluation of Fabrics and Apparel; Sewability of Fabrics; Bow and Skewness

Unit 6: Textile Testing-II

Soil/Stain Release Testing; Abrasion Resistance; Water Resistance and Water Repellency; Colourfastness: Colourfastness to Washing; Colourfastness to Dry Cleaning; Colourfastness to Light; Colourfastness to Crocking; Colourfastness to Perspiration; Colourfastness to Abrasion; Colourfastness to Heat; Colourfastness to Burnt Gas Fumes; Colourfastness to Ozone; Flammability; Pilling; Snagging; Fabric Thickness

Unit 7: Textile Testing-III

Testing Bonded and Laminated Apparel Fabrics; Testing of Fusible Interlinings; Testing of Zippers; Testing Elastic Waistband Testing; Buttons; Snap Fasteners; Sewing Threads; Wear Testing

Unit 8: Shade Sorting

Fundamentals of color and color-measuring instruments; instrumental shade sorting.
BSFD-305- ELECTRONIC - COMMERCE

Unit 1: Introduction to e-Commerce

Traditional commerce an over view; Information Technology and business; e-Commerce over traditional commerce: A glance; e-Commerce - Issues to Consider; Potential benefits of e-Commerce

Unit 2: Network Infrastructure for e-Commerce

Basic Blocks of e-Commerce; Networked computing infrastructure; Information Technology; Client/Server Architecture; Software Architecture and Standardization; Communication Services; Security; Trust and Electronic Payments; Data Sharing; Communications Middleware; Scalability and Performance

Unit 3: E-Commerce and World Wide Web

Architectural framework for electronic commerce; Electronic Commerce application services; Business – to – Consumer Transactions; Business – to – Business Transactions; Consumer – to – Consumer transactions; EDI implementation; Interface and Support services; Secure messaging and structured document interchange services; Middleware services; World Wide Web as the architecture; Security and the Web

Unit 4: Electronic Payment Systems and security

Introduction to Electronic payment systems; A view of internet payment process; Smart cards and electronic payment systems; Credit card based electronic payment systems; Cybercast; Secure Electronic Transaction; Risk and electronic payment system; Basic Issues in Internet Transaction Security; Security threats and solutions; Firewalls; Proxy; Cryptography; Symmetric cryptography; Asymmetric encryption; Digital Signatures; Certification Authorities; Digital Certificate

Unit 5: Advertising and marketing in Internet

The new age of information based marketing; E marketing; Creating customer value online; Online benefits; New product trend; Buyers and seller’s perspectives Unit 6: e-Commerce in Fashion Design Role of technology in fashion design; Internet And Fashion; Electronic Catalogues for Fashion Design; e-Commerce in textiles/ fashion industry;

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BSFD-306- FUNDAMENTALS OF CAD APPLICATION

Unit 1: Introduction and application of AutoCAD

What is AutoCAD?; What to Expect from AutoCAD; Minimum System Configuration Requirements; Introduction to System Variables; Sheet Set Overview; Getting Started with AutoCAD

Unit 2: Drawing Objects

The Line Command; The Construction Line Command; The Ray Command; The Polyline Command; The Rectangle Command; The Polygon Command; The Donut Command; The Circle Command; The Arc Command; The Ellipse Command; The Spline Command; The Point and Point Style Command; The Multilines Command

Unit 3: Object Selection; Snap & Grid; Object Snaps

Object Selection; Window Selection Crossing; Window Selection Implied Windowing; The Undo Option; Selecting All Objects; Fence Selection; Using a Previous Selection; Object Cycling; Adding and Removing Objects; Object Selection Settings; Object Sort Method; Snap & Grid; Object Snap

Unit 4: Modifying Objects

The Erase Command; The Copy Command; The Mirror Command; The Offset Command; The Array Command; The Move Command; The Rotate Command; The Scale Command; The Stretch Command; The Lengthen Command; The Trim Command; The Extend Command; The Break Command; The Chamfer Command; The Fillet Command; The Explode Command; The Divide Command; The Measure Command

Unit 5: Object Properties
Layers: The Layer Command; Creating a New Layer; Setting Colour and Linetype "ByLayer"; Setting the Colour of a Layer; Setting the Linetype of a Layer; Loading Line types; Making a Layer the Current Layer; Controlling Layer States; Turning Layers On and Off; Freezing and Thawing Layers; Turn Off or Freeze?; Locking and Unlocking Layers; Layers in Viewports; Renaming a Layer; Deleting a Layer; Purging Layers and Line types; Colors; Line types; The Linetype Command; Setting the Linetype Scale; Changing Object Properties; The Properties Command; The Match Properties Command; Editing with the Object Properties Toolbar

Unit 6: Dimensioning

Dimension Style Manager/Commands; The Linear Dimension Commands; The baseline Dimension Command; The Aligned Dimension Command; The Radius Dimension Commands; Angular Dimensions; Ordinate Dimensions; Leaders Dimensions; Editing Dimensions; Dimension Styles

Unit 7: UCSICON- Units & Scales; ISO Paper; Sizes; Drawing Aids

UCSicon; Units & Scales; ISO Paper Sizes; Drawing Aids; Function Keys

Unit 8: View Displays, Making Inquiries, Other Additional Tools

View Displays; Zoom & Pan; Making Inquiries about Objects and Drawing; Measuring the distance between two points; Other Inquiry Tools; Blocks

Unit 9: Introduction to 3DStructure

Why 3-D; 3-D CAD Terminology; The 3-D Co-ordinate System; Create 3D Solids

Unit 10: File Management

AutoCAD Templates File; AutoCAD File Formats (Printing and Plotting); Tables; Export; Transmit; Publish to web; Utilities; Send; Publish and e-Mail; Graphic Files; Slide; Script

Unit 11: Taking Hard Copy

Plotter Manager; The Printing and Plotting Process; Plot Dialog Box; Printing the Drawing; Plot to File; Plot Settings; Printers and Plotters; Plot Styles; Page Setups

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