

2016

# Multani Mal Modi College, Patiala

Unit Planning M.Sc Fashion design and  
technology

Department of Fashion  
design and technology



**M.Sc-I(SEMESTER-Ist)  
(2016-17)**

**Subject: TEXTILE STUDY & DESIGN CONCEPT**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>	
Polymer definition, types, Polymerization, addition & condensation	
Significance of molecular structure - crystalline & amorphous	
Classification of Textile Fibers and their identification	
Fiber to fabric processing (with special reference) to the properties - physical and chemical (length, density, specific gravity, fiber fineness & maturity)	
Natural Fibers - Cotton, Wool, Silk, Linen	
Synthetic Fibers-Polyesters, Nylon, Acrylic, Rayon, Spandex.	
Yarns-	
Types of Yarns- simple, novelty and textured	
Twist, count, diameter determination in yarn, Yarn numbering system	
Yarn Construction –	
Staple yarns-Conventional ring spinning, open end spinning, friction spinning, self twist spinning twist less spinning	
Filament yarns- Wet, Dry and melt spinning.	
Weave & its types	
<b>TILLMST-II</b>	
Looms- Parts of a simple loom and their functions. Different types of looms-	
Shuttle looms- pit loom	
Shuttle less looms- Rapier, Multiphas, Airjet, Waterjet	
Fabric Construction -, ends & picks, count, weight, thickness determination, Fabric defects.	
Shrinkage in fabrics- Laundering shrinkage, Thermal shrinkage & Heat setting in dimensional stability of fabrics.	
Thermal conductivity, air permeability, porosity of fabrics	
Characteristics and advantages of woven, knits and non woven fabrics; methods of production of non- woven- Braiding - Netting, Lace etc; care of fabrics	
Design – Definition, Types - Structural and decorative design	

Principles of Design –

Balance-asymmetrical and symmetrical, Types – Formal, Informal and radial

Rhythm-through repetition, alternation, progression and gradation

Proportion-planning the shapes and space.

Harmony-Harmony of lines, shapes, colour and textures.

Emphasis- Emphasis using contrast colours and background

**TILL FINAL EXAM**

Elements of Design-

Lines – varieties and their application in a design,

Form,

Shape/Space - Types – Natural, stylized, geometrical, and abstract.

Texture- types of texture and its application in clothing.

Colour (Theories of colour, colour wheel and colour schemes).

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

**TILLMST-I**

**UNIT-1**

Traditional costumes of Indian states (Eastern, Western, Northern and Southern) accessories and ornaments used in India.

North Zone – Punjab, Jammu and Kashmir

East Zone – Assam, West Bengal

West Zone – Maharashtra, Gujarat

South Zone – Tamilnadu, Karnataka

Costumes of folk dances of India

Punjab – Gidda and Bhangra

Gujarat- Garba

Rajasthan-Kalbalia,

Manipur – Rasilila

AndhraPradesh – Kuchipudi

Orissa-Odissi

Study of Ancient Indian Dresses during the following periods:

Indus Valley

Vedic

Mauryan and Sunga Period

Satvahana Period

KushanPriod

Gupta Period

**TILLMST-II**

Mughal Period - Costumes of Pre- Mughal, Mughal and Post- Mughal Period

UNIT PLANNING (SESSION 2016-17)

British Period -Costumes of Pre- independence and Post Independence period
<b>TILLFINAL EXAM</b>
Egyptian, Greece, Roman Byzantine.  Renaissance Costumes, French Revolution, Victorian Period, 20th and 21st Century Fashions

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%



**Class – M.ScPart 1 (Semester-1)**  
**Subject: PATTERN MAKING & CONSTRUCTION TECHNIQUES**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>	
<p>Equipments used for measurements, drafting, cutting and stitching and finishing.</p> <ul style="list-style-type: none"><li>Sewing needles,</li><li>Sewing threads-</li><li>Manufacture fiber used</li><li>Essential quality of sewing thread</li></ul> <p>Types of machines and attachments used for garment manufacturing domestic and industrial.</p> <p>Anthropometry - Various methods of recording measurements and sequence of taking body measurements.</p> <p>Methods of developing design-</p> <ul style="list-style-type: none"><li>Drafting and Layouts</li><li>Pattern Making and commercial paper patter</li></ul>	
<b>TILLMST-II</b>	
<p>Draping.</p> <p>Reasons for poor fitting and their remedies.</p> <p>Grading - Terminology, Types of grade, Principals of Grading.</p> <p>Design in Fashion:</p> <p>Neck lines, Collars, Sleeves, Skirts, Yokes, Trousers, Cuffs, Pockets, plackets</p> <p>Fullness Treatment in the garments-</p> <p>Method of introducing fullness in garments- gathers, pleats, tucks, shirring, frills or ruffles, flounces.</p> <p>Methods of controlling fullness- Darts,</p>	
<b>TILLFINAL EXAM</b>	

Basic Terminology : Paper Pattern, Templates, Block, Grain Line, Corollary, Production Pattern, Design Specification Sheet, Cost Sheet, Land Marks, Bowing, , Balance, Notches, Ease, Dart trueing and Binding, Pattern Plot, Pivotal point, Bias cut

### Mode of Assessment

Mode of Assessment		
Sr. No.	Component	Weightage
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%



**Class – M.ScPart 1 (Semester-II)**

**Subject: Textile Study-II**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>	
Different types of knits-Weft and Warp knitting	
Difference b/w Woven & Knit fabrics	
Weft Knitting- Plain Knit/single jersey (Tuck, Pile, Float, Drop), purl stitch, Rib stitch	
Warp knitting- Tricot, Raschel, Simplex, Milanese, Crotchet, Weft insertion warp knit,	
Warp knitted fabrics-Single jersey, Double Jersey, Wale Deflection, Lace, Rib, jacquard types.	
Different types of knitted garments and quality control-	
Garments with circular knits	
Fully cut	
Stitched shape cut	
Fully fashioned garments	
Integral garments	
Common defects in knitted fabrics	
<b>TILLMST-II</b>	
Bleaching –	
Types and functions of bleaches,	
Bleaching of natural fibres - Cotton, Silk and Wool	
Optical Whiteners	
Finishes - Types and Uses	
Permanent Finishes	
Functional Finishes	
Finishes for cotton & woolens fabrics	
Laundering and Care of Textiles:	



<p>Soaps and detergents</p> <p>Colour fastness</p> <p>Stain Removal</p> <p>Dry Cleaning</p> <p>Blues and Starches</p> <p>Care labels – importance- symbols - uses.</p>
--

**TILLFINAL EXAM**

<p>Dyeing:</p> <p>Types - Natural and Synthetic Dyes, Dyeing theory.</p> <p>Home &amp; Industrial Dyeing - Fibre Dyeing, Yarn Dyeing, Fabric Dyeing &amp; Garments Dyeing.</p> <p>Application of Direct, Acid, Basic and Azoic dyes on Natural Fibres - Cotton, Silk and Wool</p> <p>Printing: Machine Printing, Hand Printing</p>
--

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

**Class –M.ScPart 1 (Semester-II)**  
**Subject: SOCIO-PSYCHO ASPECTS OF CLOTHING**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>
Origin of clothing - different theories of origin of clothing
Modern philosophy of clothes
First Impressions
Motivation in clothing selection and choices
Personality &self concept
Clothing and colour-
Importance of colour for different ceremonies, occasions, occupation, religion etc
Clothing and social behavior
Influence of culture and religion on clothing.
Conformity in Clothing
<b>TILLMST-II</b>
Introduction to Fashion-
Fashion, Fads, Styles, classics, high fashion, mass fashion, design, c trend, haute uture, couturiere, knockoffs and prêt-a-porter.
Principals of Fashion
Fashion cycle, factors influencing fashion
Fashion Leaders and Followers
National & International designers
National & International fashion centers
Theories of fashion adaptation –
Traditional fashion adoption (Trickledown theory)
Reverse adoption (Bottom up theory)
Mass Dissemination (Trickle across theory).
<b>TILLFINAL EXAM</b>

UNIT PLANNING (SESSION 2016-17)

Fashion apparel- women's, men's, children's & teens- category and size ranges

Fashion accessories- categories, market segments and trends in accessory industry

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%



**Class – M.ScPart 1 (Semester-II)**

**Subject: COMMUNICATION SKILLS**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>	
Communication - Its meaning and importance.	
Different types of communication- One way or two way communication	
Essentials of good communication	
Forms of communication-	
Oral-Telephonic communication	
Written –Drafting reports, notices, agenda notes, business correspondence, circulars, press releases and advertisements.	
Non verbal-Importance of non-verbal communication-Positive gestures, symbols and signs	
Modern forms of communication-Fax, Internet/e-mail, video conferencing	
Barrier of communication	
Mass Communication:- Concept, Definition, Scope,	
Functions of Mass Communication through different media – Electronic media, Print media, Cyber media,Role of media in society.	
Need of Mass Communication in Fashion world-Importance and classification	
<b>TILLMST-II</b>	
Group discussions- Advantages and techniques of conducting group discussions	
Resume Writing and job applications, applications for business (Application for loan, refund, and advance salary)	
<b>TILLFINAL EXAM</b>	
<b>Business Letter-</b> Business Letters (Types, Essentials and Layout) letter of enquiry, letter of quotation, letter of orders, letter of advice, letter of trade reference, circular letters, letter of	

complaint and adjustments, sales letter, credit letters and status inquires, collection letters.

Essentials of technical report writing and proposals

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%



**M.Sc-II(SEMESTER-III)  
(2015-16)**

**Subject: FASHION MARKETING AND MERCHANDISING**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>
<p>Understanding marketing and marketing process- Introduction, Nature and scope, concept of marketing, marketing Mix</p> <p>Strategic planning in the markets - The fashion market and the marketing environment.</p> <p>Marketing Research - Consumer market and behavior of consumer.</p> <p><b>Product</b> – Concepts, levels of product, product life cycle, New product development process, Product line &amp; Mix Decisions</p> <p><b>Pricing</b> – Pricing objectives, Pricing methods and policies, factors influencing</p>

pricing.

**Promotion-** Advertising, Sales promotion, Public relations, Personal selling, Direct Marketing.

**Channels of distribution**– Levels of distribution channels , factors influencing selection of distribution channels,

**Physical Distribution:** Functional areas of physical distribution, logistics decisions.

**TILLMST-II**

Selecting Target markets- Measuring and forecasting demand. Market segmentation, targeting and positioning for competitive advantage.

Fashion Merchandising -Introduction, role of merchandiser.

Calculation of material cost - Design specification sheet & cost sheet.

International and domestic fashion markets: Haute Couture, Prêt-a-porter, mass production.

Sourcing strategies: objectives, global sourcing, the role of merchandiser in sourcing, sourcing options, factors in sourcing options, factors in sourcing decision, customer/vendor relationship, Domestic and International sourcing process

**TILLFINAL EXAM**

Fashion Visual Merchandising- Elements and Functions of Visual Merchandising

Store exteriors, interiors& windows – image, atmosphere 7 theatrics, Display props, fixtures, mannequins, floral, signage & graphics.

Fashion Photography - Design studios.

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>

UNIT PLANNING (SESSION 2016-17)

1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%



**Class – M.Sc-Part II (Semester-III)**

**Subject: Statistics**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>	
<b>UNIT-1</b>	
Meaning and Scope of Statistics; Classification, graphic representation of data.	
Sampling: Methods of Sampling, Sampling and Non-sampling errors.	
Measures of Central Tendency; Measures of Dispersion (absolute and relative)	
Probability: Elementary idea, Different Approaches to Probability, Calculation of Probability, and Theorems of Probability	
<b>TILLMST-II</b>	
Correlation: Introduction, types, methods of measuring correlation (Karl Pearson's coefficient of correlation and rank correlation)	
Regression.	
Elements of testing of a statistical hypothesis. Problem formulation.	
Applying T - Test for small samples for single mean, difference in means, F - Test for equality of variance.	
<b>TILLFINAL EXAM</b>	
Application of chi-square tests.	

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%



**Class – M.ScPart 1I (Semester-III)**

**Subject: Research Methodology**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>	
<b>UNIT-1</b>	
Meaning and Objective of Research	
Type of Research	
Descriptive/Analytical Research.	
Applied v/s/ Fundamental Research.	
Qualitative/Quantitative Research	
Other types of Research.	
Significance of research and scientific method.	
Research Process - Criteria of goods research.	
Research Problem - Identification, selection and defining research problem	
Research Design - Meaning and purpose of research design, Features of a good research design. Different research designs.	
Measurement & scaling techniques.	
<b>TILLMST-II</b>	
Sampling Design- Implication and steps involved in sample design, Criteria of selection of sample, Different types of samples.	

## UNIT PLANNING (SESSION 2016-17)

Collection of data - primary and secondary.

Interpretation of data - Techniques of analysis and precautions in interpretation.

### **TILLFINAL EXAM**

Role of Computer in Research

Report Writing - Significance, Different Steps in report writing, Layout of report. Mechanics of writing a research reports, Precautions of writing research report

### **Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

**Class – M.ScPart II (Semester-IV)**

**Subject: Garment Production Management and Entrepreneurship**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>
Organisational structure of Apparel Industry
Principles of Management -Planning Types and Strategies
Project Planning and Control.
Working of various departments in apparel industry -
Design Departments
Marketing Departments
Finance Departments
Purchasing Departments
Production Section - Production System and Production Planning, Plant layout
Sewing Technology- Different types of industrial sewing machines and modern accessories in sewing machines
Finishing, Pressing, Trimming and Packing.
Work study and standard time control.
Balancing.
Quality Control - Definition, essential, characteristics of quality, Fabric and garment defects, Testing of garment.
Tools of quality- Causes and effects of fishbone diagram, checklist, flow chart, control chart, histogram, scatter diagram,
Techniques of quality control- Kaizon, 5S, TPM (total production maintenance), TQM (total quality management),
Lean manufacturing, Toyota production system, 6 sigma tool for quality control, Fabric inspection system & limitation, Inspection planning, Dallas system, Inline inspection.
Operation department- pre production planning, raw material, control procedures.

Quality control from designing to end product.
<b>TILLMST-II</b>
<p>Introduction to Entrepreneurship.</p> <p>Study of various essential aspects of entrepreneurship.</p> <p>Identification and development of essential entrepreneurial skills.</p> <p>Role of entrepreneurship skills in fashion and garment industry</p> <p>Sources of funds for fashion industry.</p> <p>Role of industrial tie-ups in fashion industry.</p>
<b>TILLFINAL EXAM</b>
<p>Models for decision making.</p> <p>SWOT Analysis.</p> <p>Supply chain management in garment and fashion industry</p> <p>Entrepreneurship development</p>

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

**Class –M.ScPart 1I (Semester-III)**  
**Subject: : Introduction To Information Technology**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>
<p>Fundamentals: Definition of Computer, Block Diagram, Characteristics.</p> <p>Classification, Evolution of Computers and Generations of Computers.</p> <p>Number System : Binary, Octal, Hexadecimal Number System,</p> <p>Codes : BCD, ASCII, EBCDIC, BYTE-CODE.</p> <p>nput/Out Devices: Keyboard, Mouse, Light Pen, Trackball, Joystick, MICR, OMR, OCR, Monitor, Printer (Dot-matrix, Laser, and Inkjet), Plotters.</p> <p>Memories : Classification of memories, RAM, ROM, PROM, EPROM, EEPROM.</p>
<b>TILLMST-II</b>
<p>Operating System: Definition, functions of OS, Types of OS, Internal and External Commands of DOS, Overview of Windows Operations, M.S. Word, Excel.</p> <p>Computer Networks: Definition, Types of Networks: LAN, MAN, WAN, Topologies.</p> <p>Internet and its Services, WW, Email, TELNET, FTP, USENET, Chatting,</p>
<b>TILLFINAL EXAM</b>
<p>Introduction to multimedia- its components, Multimedia applications.</p> <p>Applications of IT in Fashion Technology.</p>

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

**Class – M.ScPart II (Semester-IV)**

**Subject: : Indian Textiles**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>	
Indian Traditional Textiles:  Embroidered Textiles: Kasida, Chickenkari, Kantha, Phulkari, Kasuti  Traditional Embroideries: Chamba, Sindhi and Kutch  Printed Textiles - Sanganeri prints, Bagru prints, Ajrakh printing, Batik  Carpets & Rugs of Indian	
<b>TILLMST-II</b>	
Dyed Textiles - Ikkat, Patola, Pochampalli.  Hand Painted - Kalamkari, Madhubani, Nathdwara painting, Patchitra	
<b>TILLFINAL EXAM</b>	
Woven Textiles - Painthani, Jamdhani, Brocade, Chanderi, Baluchar, Tanchoi, Jamavar, Kanjivaram, Maheshwari, Irfal, Dharmavaram,	

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

**M.Sc-II(SEMESTER-III)  
(2016-17)**

**Subject: FASHION MARKETING AND MERCHANDISING**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

**TILLMST-I**

Understanding marketing and marketing process- Introduction, Nature and scope, concept of marketing, marketing Mix

Strategic planning in the markets - The fashion market and the marketing environment.

Marketing Research - Consumer market and behavior of consumer.

**Product** – Concepts, levels of product, product life cycle, New product development process, Product line & Mix Decisions

**Pricing** – Pricing objectives, Pricing methods and policies, factors influencing pricing.

**Promotion**- Advertising, Sales promotion, Public relations, Personal selling, Direct Marketing.

**Channels of distribution**– Levels of distribution channels , factors influencing selection of distribution channels,

**Physical Distribution:** Functional areas of physical distribution, logistics decisions.

**TILLMST-II**

Selecting Target markets- Measuring and forecasting demand. Market segmentation, targeting and positioning for competitive advantage.

Fashion Merchandising -Introduction, role of merchandiser.

Calculation of material cost - Design specification sheet & cost sheet.

International and domestic fashion markets: Haute Couture, Prêt-a-porter, mass production.

Sourcing strategies: objectives, global sourcing, the role of merchandiser in sourcing, sourcing options, factors in sourcing options, factors in sourcing decision, customer/vendor relationship, Domestic and International sourcing process

**TILLFINAL EXAM**

Fashion Visual Merchandising- Elements and Functions of Visual Merchandising

Store exteriors, interiors& windows – image, atmosphere 7 theatrics, Display props, fixtures, mannequins, floral, signage & graphics.

Fashion Photography - Design studios.

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%





<b>TILLMST-I</b>	
<b>UNIT-1</b>	
Meaning and Scope of Statistics; Classification, graphic representation of data.	
Sampling: Methods of Sampling, Sampling and Non-sampling errors.	
Measures of Central Tendency; Measures of Dispersion (absolute and relative)	
Probability: Elementary idea, Different Approaches to Probability, Calculation of Probability, and Theorems of Probability.	
<b>TILLMST-II</b>	
Correlation: Introduction, types, methods of measuring correlation (Karl Pearson's coefficient of correlation and rank correlation)	
Regression.	
Elements of testing of a statistical hypothesis. Problem formulation.	
Applying T - Test for small samples for single mean, difference in means, F - Test for equality of variance.	
<b>TILLFINAL EXAM</b>	
Application of chi-square tests.	

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

Max Marks: 74

Maximum Time: 3 Hrs.

<b>TILLMST-I</b>	
<b>UNIT-1</b>	
Meaning and Objective of Research	
Type of Research	
Descriptive/Analytical Research.	
Applied v/s/ Fundamental Research.	
Qualitative/Quantitative Research	
Other types of Research.	
Significance of research and scientific method.	
Research Process - Criteria of goods research.	
Research Problem - Identification, selection and defining research problem	
Research Design - Meaning and purpose of research design, Features of a good research design. Different research designs.	
Measurement & scaling techniques.	
<b>TILLMST-II</b>	
Sampling Design- Implication and steps involved in sample design, Criteria of selection of sample, Different types of samples.	
Collection of data - primary and secondary.	
Interpretation of data - Techniques of analysis and precautions in interpretation.	
<b>TILLFINAL EXAM</b>	

Role of Computer in Research

Report Writing - Significance, Different Steps in report writing, Layout of report. Mechanics of writing a research reports, Precautions of writing research report

### Mode of Assessment

Mode of Assessment		
Sr. No.	Component	Weightage
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%



**Max Marks: 74**

**Maximum Time: 3 Hrs.**

**TILLMST-I**

Organisational structure of Apparel Industry

Principles of Management -Planning Types and Strategies

Project Planning and Control.

Working of various departments in apparel industry -

Design Departments

Marketing Departments

Finance Departments

Purchasing Departments

Production Section - Production System and Production Planning, Plant layout

Sewing Technology- Different types of industrial sewing machines and modern accessories in sewing machines

Finishing, Pressing, Trimming and Packing.

Work study and standard time control.

Balancing.

Quality Control - Definition, essential, characteristics of quality, Fabric and garment defects, Testing of garment.

Tools of quality- Causes and effects of fishbone diagram, checklist, flow chart, control chart, histogram, scatter diagram,

Techniques of quality control- Kaizon, 5S, TPM (total production maintenance), TQM (total quality management),

Lean manufacturing, Toyota production system, 6 sigma tool for quality control, Fabric inspection system & limitation, Inspection planning, Dallas system, Inline inspection.

Operation department- pre production planning, raw material, control procedures.

Quality control from designing to end product.

**TILLMST-II**

Introduction to Entrepreneurship.

Study of various essential aspects of entrepreneurship.

Identification and development of essential entrepreneurial skills.

Role of entrepreneurship skills in fashion and garment industry

Sources of funds for fashion industry.

Role of industrial tie-ups in fashion industry.

**TILLFINAL EXAM**

Models for decision making.

SWOT Analysis.

Supply chain management in garment and fashion industry

Entrepreneurship development

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

**Max Marks: 74****Maximum Time: 3 Hrs.****TILLMST-I**

Fundamentals: Definition of Computer, Block Diagram, Characteristics.

Classification, Evolution of Computers and Generations of Computers.

Number System : Binary, Octal, Hexadecimal Number System,

Codes : BCD, ASCII, EBCDIC, BYTE-CODE.

Input/Output Devices: Keyboard, Mouse, Light Pen, Trackball, Joystick, MICR, OMR, OCR, Monitor, Printer (Dot-matrix, Laser, and Inkjet), Plotters.

Memories : Classification of memories, RAM, ROM, PROM, EPROM, EEPROM.

**TILLMST-II**

Operating System: Definition, functions of OS, Types of OS, Internal and External Commands of DOS, Overview of Windows Operations, M.S. Word, Excel.

Computer Networks: Definition, Types of Networks: LAN, MAN, WAN, Topologies.

Internet and its Services, WWW, Email, TELNET, FTP, USENET, Chatting,

**TILLFINAL EXAM**

Introduction to multimedia- its components, Multimedia applications.

Applications of IT in Fashion Technology.

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

**Subject: : Indian Textiles**

**Max Marks: 74**

**Maximum Time: 3 Hrs.**

<b>TILLMST-I</b>	
<b>UNIT-1</b>	
Indian Traditional Textiles:	
Embroidered Textiles: Kasida, Chickenkari, Kantha, Phulkari, Kasuti	
Traditional Embroideries: Chamba, Sindhi and Kutch	
Printed Textiles - Sangneri prints, Bagru prints, Ajrakh printing, Batik.	
Carpets & Rugs of India	
<b>TILLMST-II</b>	
Dyed Textiles - Ikkat, Patola, Pochampalli.	
Hand Painted - Kalamkari, Madhubani, Nathdwara painting, Patchitra	
<b>TILLFINAL EXAM</b>	
Woven Textiles - Painthani, Jamdhani, Brocade, Chanderi, Baluchar, Tanchoi, Jamavar, Kanjivaram, Maheshwari, Irfal, Dharmavaram,	

**Mode of Assessment**

<b>Mode of Assessment</b>		
<b>Sr. No.</b>	<b>Component</b>	<b>Weightage</b>
1	Mid Semester Test (MST)	40% (Average of 2 MST)
2	Written Assignments	40%
3	Attendance	20%

