

**ORDINANCES
AND
OUTLINES OF TESTS,
SYLLABI AND COURSES OF READING
FOR
M. Sc. (Fashion Technology)
PART-I**

2018-2019 & 2019-20

Continued for session 2020-21

Continued for session 2021-22, 2022-23

ACADEMIC SESSIONS



PUBLICATION BUREAU

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SYLLABUS

Master of Science in Fashion Technology
Two Year Course (Semester system) Examination

SYLLABUS
MASTER OF SCIENCE IN FASHION TECHNOLOGY
 Programme Code (FTM2PUP)
 PART-I (Semester-1st) Session 2021-22 , 2022-23

Semester I						
Sr. No.	Title of Course	Course Code	Internal	External	Total	Credit Hrs.
1	Fundamental of Design	FTM1001T	14	36	50	2
2	Textile study	FTM1002T	26	74	100	5
3	Indian Traditional Textiles	FTM1003T	26	74	100	5
4	Communication Skills	FTM1004T	14	36	50	2
5	Fundamental of Design	FTM1011L	-	50	50	3
6	Drafting & Garment Construction-I	FTM1012L	-	100	100	5
7	Computer Aided Fashion Design	FTM1013L	-	100	100	5
Total			80	470	550	

Semester II						
Sr. No.	Title of Course	Course Code	Internal	External	Total	Credit Hrs.
1	Textile study-II	FTM2001T	26	74	100	2
2	History of World Costumes	FTM2002T	26	74	100	5
3	Textile study-II	FTM2011L	-	50	50	3
4	Drafting & Garment Construction-II	FTM2013L	-	100	100	5
5	Advance Computer Aided Fashion Design	FTM2014L	-	100	100	5
6	Fashion Illustration-I	FTM2015L	-	100	100	5
Total			52	498	550	

Neha

[Signature]

Principal
Guru Manak College

M.Sc. FT Part-I
Semester-1st Exam. (Nov./Dec.)

Theory Papers					
Subject Code	Subject Name	Internal Assessment	External Assessment	Total Marks	Credit Hrs.
FTM1011L	Fundamentals of Design	14	36	50	2
FTM1012L	Textile Study-I	26	74	100	5
FTM1013L	Indian Traditional Textiles	26	74	100	5
FTM1011L	Communication Skills	14	36	50	2
Practical Papers					
Subject Code	Subject Name	Internal Assessment	External Assessment	Total Marks	Credit Hrs.
FTM1011L	Fundamentals of Design	-	50	50	3
FTM1012L	Drafting & Garment Construction-I	-	100	100	5
FTM1013L	Computer Aided Fashion Design	-	100	100	5
	Total	80	470	550	

M.Sc. FASHION TECHNOLOGY (Semester-I)

Theory Papers

Fundamentals of Design

Time Allowed: 3 Hrs

Maximum Marks: 36

Instructions for Paper-Setters-

The question paper will consist of three Sections A, B and C. Section A and B will have 4 questions each from the respective sections of the syllabus and will carry 5 ^{1/2} marks each. Section C will have 7 short answer type questions carrying 2 marks each.

Instructions for candidates –

Candidates are required to attempt two questions each from Sections A and B. Section C is compulsory.

Section-A

Define design concept.

Define Elements of design: line, dot, curves, texture, shine, rough, silhouettes, color.

Define Principles of design: Balance, rhythm, harmony, repetition, grading, unity, symmetry.

Color Theory: Color wheel - primary, secondary, transparency.

Techniques of color mixing.

Color Contrast and Attributes: interaction, harmony, psychology, mood, culture and expression.

Composition: Color, space, movement, balance, asymmetry, rhythm, shapes, proportion.

Aspects / temperature of color-warm cool, hot, cold, dark, pale and bright.

Section-B

Dimensions of color- hue, Intensity, value, chroma.

Basic color schemes- achromatic, analogues, monochromatic, complimentary, and neutral.

Rendering techniques.

Define collage- types of collage.

Textures-types of textures.

Textural effects, using textures in designs.

References

Bustanoby.J.H.,Principles of colour and colour mixing.,McGraw Hill Book Company ,
New York, London,1947

“Fashion and Color” By Mary Garth.

Frings, Gini Stephens, Fashion Concept to consumer, Prentice Hall career & Technology

“Text book of clothing and textile” by Sushma Gupta and Neeru Garg, publisher Kalyani.

Textile Study-I

Time Allowed: 3 Hrs

Maximum Marks: 74

Instructions for Paper-Setters-

The question paper will consist of three Sections A, B and C. Section A and B will have 4 questions each from the respective sections of the syllabus and will carry 11 mark each. Section C will have 15 short answer type questions carrying 2 marks each.

Instructions for candidates –

Candidates are required to attempt two questions each from sections A and B. Section C is compulsory

Section-A

Cellulosic Fibers: Introduction to cotton, microscopic view, physical and chemical properties and manufacturing.

Regenerated cellulosic fibers: Introduction to Viscose Rayon, microscopic view, physical and chemical properties and manufacturing.

Protein Fibers- wool and silk, microscopic view, physical and chemical properties and manufacturing.

Felting of wool, degumming and weighting of silk.

Synthetic fibers- Polyester, Nylon and Acrylic

Raw material, Physical and chemical properties, manufacturing, process from polymer to fibers stage.

Staple yarns-Conventional ring spinning, open end spinning, friction spinning, self twist spinning twist less spinning

Filament yarns- Wet, Dry and melt spinning.

Section-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

Weaves, Classification of weaves,

Plain weave, Rib weave, Basket , Twill, Satin, Sateen

Decorative weaves- Pile, Double cloth weave, leno, Dobby and Jacquard weave

Finishes

Mechanical finishes- Beetling, Shearing, Calendering, Tentering, Moireing,

Embossing, Glazing, Napping, Weighting, Sizing, Sanforizing

Chemical finish, Mercerizing, Crease resistant, water proof and water repellent

References

- Textiles: Fiber to Fabric 6th Edition, Bernard P. Corbman, International students' edition, McGRAW Hill International Edition book co Singapore (1985).
 Textile chemistry, Peters.R.H. Vol i, ii, textile institute Manchester 1970.
 Technology of textile processing, Shenai.V.A. Vol i, ii, v, vii, sevak publications, Bombay, 1981
 Textile Science 2nd Edition, E.P.G. Gohl & L.D.Vilensky, CBS Publishers and Distributors 2006
 Fabric science, 5th edition, Joseph.J.P. Et.al. Fairchild publications, New York, 1990
 Norman Hollen and Jane Saddler, "Textiles" Second Edition. (1949), The Macmillan Company, New York. Collier-Macmillan Limited, London.

Indian Traditional Textiles

Time Allowed: 3 Hrs

Maximum Marks: 74

Instructions for Paper-Setters-

The question paper will consist of three sections A, B and C. Section A and B will have 4 questions each from the respective sections of the syllabus and will carry 11 marks each. Section C will have 15 short answer type questions carrying 2 marks each.

Instructions for candidates –

Candidates are required to attempt two questions each from Sections A and B. Section C is compulsory

Section-A

Resist dyed textiles- Bandhani, Batik, Patola, Ikat, Poachampalli
 Printed Textiles- Sanganeri, Painted textiles- Kalamkari, Madhubani
 Traditional embroideries of different region of India with emphasis on texture, motifs, design and colors of the following-

- Kutch of Gujarat
- Kashida of Kashmir
- Manipuri of Manipur
- Sindhi of Gujarat

Section-B

Traditional embroideries of different region of India with emphasis on texture, motifs, design and colors of the following-

Phulkari of Punjab

Kantha of Bengal

Chikankari of Lucknow

Kasuti of Karnataka.

Woven textiles of India- Brocade, Jamdani, Maheshwari sarees, Chanderi Saress, Baluchari saree, Kanchipuram, Chamba rumal of Himachal.

Kashmiri Shawls and Kashmiri Carpets

References

Rustam; J. Mehta, "Masterpieces of Indian Textiles", (1970), D.B. Taraporewala Sons & Co., Pvt. Ltd.

Bhushan Brij Jamila, The Costume and Textiles of India, 1958, D.B. Taraporewala sons and Co., Ltd, Bombay.

Dongerkey, Kamala S. Romance of Indian Embroidery, 1951, Thacker & Co., Ltd. Bombay, Dhamija Jasleen. The Kanthas of Bengal, 1971, The Times of India Annual.

Communication Skills

Time Allowed: 3 Hrs

Maximum Marks: 36

Instructions for Paper-Setters-

The question paper will consist of three sections A, B and C. Section A and B will have 4 questions each from the respective sections of the syllabus and will carry 5^{1/2} marks each. Section C will have 7 short answer type questions carrying 2 marks each.

Instructions for candidates –

Candidates are required to attempt two questions each from Sections A and B. Section C is compulsory.

Section-A

Communication its meaning and importance.

One way and two way communication.

Essentials of Good communications.

Methods of communication, Oral, Written and Non-verbal.

Barriers of communication, Techniques of overcoming Barriers.

Concept of effective communication.

All forms of written communication including – drafting reports, notices, agenda notes, business correspondence, preparation of summaries and précis, telegrams, circulars, representations, press release and advertisements.

Telephonic communications, Essentials of technical report writing, Defect reporting, Analysis and how to make suggestions, writing personal resume and application for a Job, Techniques of conducting Group Discussions, International Phonetics of Alphabets and Numeric.

Section-B

Basic parts of speech – Noun, pronoun, verb, adjective, adverb, preposition, article and Conjunction.

Active & passive voice, paragraph writing, précis, translation (from vernacular to English & English to vernacular).

Correct word usage – Homonyms, Antonyms and Synonyms.

Writing applications – for business (e.g. applying for a loan, salary advance, refund etc).
Job application.

Importance of non-verbal communication – positive gestures, symbols and signs.

Physical appearance and the art of self-presentation & conduct.

Importance of good communication in fashion world.

Fashion vocabulary.

References

Gupta C.V.. Business Communication and Customer Relations, Sultan Chand and Sons
Pal Rajender and Korlahalli J.J., Essentials of Business Communications, Sultan chand and sons.

Chaturvedi, P.D., Business Communication, Pearson Publication

Jain.V.K. and Biyani Om Prakash, Business Communications, Sultan chand & company
Ltdmsc ft & pgddt

Mohan, Krishna and Beerjee, Meera, Developing Communication Skills, Macmillan Press

Practical Papers

Fundamentals of Design

Time Allowed: 3 Hrs

Maximum Marks: 50

Color wheel-primary color, secondary color, tertiary color.

Draw design using Color Aspects in designs -warm, cool, hot, cold, dark, pale and bright.

Make design of all color schemes.

Different textures – thread pulling; thread crumple, thread rolling, blade effects, jute, thumb, comb, ink blow, sponge effect.

Create designs using color schemes.

Rendering techniques.

Face analysis.

Figure analysis.

Draw features eyes, nose, ear, lips, face, hands, arms, feet, legs and hairstyles.

Sketching of Stick figures in different poses.

Make geometric figures- - 8½, 10 and 12 heads, front, back and ¾ profile and Fleshing on geometric figures.

Body line reading through different poses.

Draw a fashion figure in poses-front, 3/4, side view.

Design presentations sheets -mood board, theme board, client board, swatch board, Illustration sheet, Measurement sheet, Fabric and color sheet.

References

Fashion Drawing—the Basic Principles by Anne Allen & Julian Seaman-B.T. Batsford,London 1994.

Fashion Design Drawing & Presentation by Patrick John Ireland, 4th Edition, New Delhi, Om, 2005.

Fashion Design Illustration Children by Patrick John Ireland- London, B.T. Batsford,1995. Bride M Whelan, “Color Harmony”, Rockfort Publishers, 1992.

Ireland, Patrick John, “Fashion Drawing and Presentation”, B.T. Batsford, London, 1996.

Elizabeth Drudi, T Pack, “Figure Drawing for Fashion”, The Pepin Press.

Drake and Nicholas, “Fashion Illustration”, Thames and Hudson, London, 1994.

Drafting and Garment Construction –I

Time Allowed: 3 Hrs

Maximum Marks: 100

Introduction to Drafting:

Tools and Equipments used in drafting and pattern making.

Anthropometric measurements, landmarks, taking body measurements.

Selection of right size pattern, fitting problems, principles of a good fit, Alterations of paper pattern.

Creation of a bodice block and a sleeve block for a child.

Sleeves – Plain, puff, cap, bell, umbrella, flared, leg-o-mutton,magyar and raglan.

Basic skirt block & its adaptation.

Collars, Peter pan, raised peter pan, cape, sailor, mandarin, wing, flat and roll.

Garment Construction:

Introduction to sewing, sewing tools, equipments and supplies.

Introduction and handling of sewing machines, its parts, their working.

Sewing problems and their solutions.

All types of Basic Hand stitches

References

Reader’s Digest., Complete guide of sewing- The Reader’s Digest Association Ltd.
London

Armstrong, Pearson., Pattern making for Fashion Design, Fair Child Publication, New York 1995

Jindal, Ritu., Handbook of Fashion Designing, Mittal Publication, New Delhi 2005

Cream, Penelope., The Complete Book of Sewing - A Practical Step by Step Guide to Sewing Techniques, ADK Publishing Book, New York 1996.

Thomas, Anna. Jacob., The Art of Sewing, UBSPD Publishers Distributors Ltd., New Delhi

Hillhouse and Mansfield, "Dress Design, Draping and Flat Pattern Making", Houghton Mifflin Company 1975.

Mullick, Prem Lata, "Garment Construction Skills", Kalyani Publishers, New Delhi

Carr Harold & Latham Barbara, "The Technology of Clothing Manufacture", Oxford Pub. USA, 1994.

Cooking G, "Introduction to Clothing Manufacture", Blackwell Science, UK, 1991

Computer Aided Fashion Design

Time Allowed: 3 Hrs

Maximum Marks: 100

Study in detail the different tools of Corel Draw and Photoshop.

Design a traditional and a contemporary motif.

Application of these tools for making design compositions for textiles and apparel.

Working with outlines and fills.

Outlines, using fly out, pen dialog box, setting the line cap style, changing the outline color.

Texture fills and other fills.

Illustration tool of coral.

Drawing the details of coral draw and applying various textures.

Draw basic figures in front view, side view/3/4 view.

References

According to Software manuals.

M.Sc. FT Part-I
Semester-II Exam.(April/May)

Theory Papers					
Subject Code	Subject Name	Internal Assessment	External Assessment	Total Marks	Credit Hrs.
FTM2001T	Textile Study-II	26	74	100	2
FTM2002T	History of World Costumes	26	74	100	5
Practical Papers					
Subject Code	Subject Name	Internal Assessment	External Assessment	Marks	Credit Hrs.
FTM2011L	Textile Study-II	-	50	50	3
FTM2013L	Drafting & Garment Construction-II	-	100	100	5
FTM2014L	Advance Computer Aided Fashion Design	-	100	100	5
FTM2015L	Fashion Illustration-I	-	100	100	5
	Total	52	498	550	

M.Sc. FASHION TECHNOLOGY (Semester-II)

Theory Papers

Textile Study-II

Time Allowed: 3 Hrs

Maximum Marks: 74

Instructions for Paper-Setters-

The question paper will consist of three sections A, B and C. Section A and B will have 4 questions each from the respective sections of the syllabus and will carry 11 marks each. Section C will have 15 short answer type questions carrying 2 marks each.

Instructions for candidates –

Candidates are required to attempt two questions each from Sections A and B. Section C is compulsory

Section-A

Classification of dyes.

Fiber dyeing- Kier, Dope, Stock dyeing.

Yarn dyeing- Skein, Package, Beam dyeing.

Fabric dyeing- Beam, Jig, jet dyeing.

Garment dyeing.

Methods of printing- Direct printing, Discharge printing, Resist printing.

Block, Screen, Stencil, screen printing.

Roller printing, rotary screen printing, Transfer printing.

Section-B

Introduction to knit fabrics, Classification of knitted fabric.

Study of rib, single jersey fabrics interlock and purl fabrics.

Process of warp knitting.

Process of weft knitting.

Other methods of fabric formation- Felting, Bonding, knotting, Lace making and braiding.

Difference between non woven and woven fabrics.

References

Textiles: Fiber to Fabric 6th Edition, Bernard P. Corbman, International students' edition, McGRAW Hill International Edition book co Singapore (1985).

Textile chemistry, Peters. R.H. Vol i, ii, textile institute Manchester 1970.

Technology of textile processing, Shenai. V.A. Vol i, ii, v, vii, sevak publications, Bombay, 1981

Textile Science 2nd Edition, E.P.G. Gohl & L.D. Vilensky, CBS Publishers and Distributors 2006

Fabric science, 5th edition, Joseph. J.P. Et.al. Fairchild publications, New York, 1990

Norman Hollen and Jane Saddler, "Textiles" Second Edition. (1949), The Macmillan Company, New York. Collier-Macmillan Limited, London.

History of World Costumes

Time Allowed: 3 Hrs

Maximum Marks: 74

Instructions for Paper-Setters-

The question paper will consist of three Sections A, B and C. Section A and B will have 4 questions each from the respective sections of the syllabus and will carry 11 marks each. Section C will have 15 short answer type questions carrying 2 marks each.

Instructions for candidates –

Candidates are required to attempt two questions each from Sections A and B. Section C is compulsory

Section-A

Indus valley civilization.
Mourayans and sanga period.
Kushan period.
Gandhara period.
Gupta period
Medieval period.
Mughal.
British.

Section-B

Egyptian.
Greek.
Roman.
Byzantine
Renaissance.
Victorian.
French revolution.
20th century fashion.

(Identify distinguishing costume terminology throughout history, characteristics of each period; describe silhouettes, colors, fabrics, and accessories used for human adornment in different time periods).

References

A. Biswas, Indian Costumes, (2003), Publication Division

- Bradley C.(1970) History of World Costume, London, Peter Owen Ltd
- Boucher F. (1966) A History of Costume in the West, London, Thames and Hudson
- Encyclopedia of Costumes and Fashion from 1066 to the Present by Jack Cassin- Scoot Illns
London, Brockhampton, 2002
- James, L. Costume and Fashion: A Concise History; Thames and Hudson (2nd edition)
2002
- Parul Bhatnagar, Traditional Indian Costumes and Textiles, (2004), Abhishek Publications
- Ritu Kumar, Costumes and Textiles of Royal India, (1999), Christie's Book

Practical Papers

Textile Study-II

Time Allowed: 3 Hrs

Maximum Marks: 50

- Fiber identification- Visual, burning, microscopic and solubility test.
- To determine the thread count of the given fabric
- Identification of weaves through graphical representation.
- Collection and identification of different samples of fabric (different woven, knitted and non-woven)
- Dyeing of cellulose with different classes of dyes- direct, reactive and azoic
- Dyeing of wool and silk with acid and basic dyes.
- Visit to Textile Industry

References

- Textiles: Fiber to Fabric 6th Edition, Bernard P. Corbman, International students' edition,
McGRAW Hill International Edition book co Singapore (1985).
- Textile chemistry, Peters.R.H. Vol i, ii, textile institute Manchester 1970.
- Technology of textile processing, Shenai.V.A. Vol i, ii, v, vii, sevak publications, Bombay, 1981
- Textile Science 2nd Edition, E.P.G. Gohl & L.D.Vilensky, CBS Publishers and Distributors 2006
- Fabric science, 5th edition, Joseph.J.P. Et.al. Fairchild publications, New York, 1990
- Norman Hollen and Jane Saddler, "Textiles" Second Edition. (1949), The Macmillan
Company, New York. Collier-Macmillan Limited, London.

Drafting & Garment Construction-II

Time Allowed: 4 Hrs

Maximum Marks: 100

Terminology used in Drafting & Pattern Making:

Terminology used in Pattern making: Pattern drafting, Flat Pattern Making, Template working pattern, Production pattern, Design specification sheet, Pattern chart, Cost-sheet, Dart,

Dart legs, Dart intake, Trueing and Blending, Symmetric and Asymmetric lines, Style number, Pattern size, Pivotal point, Block, Grain line, Corollary, Land marks, Bowing, Pattern grading, Bust point, Balance, Notches, Draping, Ease, Selvage, True bias.

Dart Manipulation:

Shifting of dart to different positions.

Converting the Basic Dart into the following: -Seams and Yokes with and without fullness, Fullness – Gathers, Tucks, Pleats and their Variations.

Making samples of the following:

Seams, Tucks, Pleats, Gathers, Plackets, Fasteners and Trimming.

Plackets: - Over Lap: - One side extended, both sides extended, Double.

Pockets: Inset, Cargo, Patch with pleat, Patch with flap, Bound patch, Bellow, Welt

Drafting and Construction:

Adult's Basic Bodice Block and Basic sleeve.

Four Dart Blouse and variations

Corset

Grading - Terminology, Types of grade, Principles of Grading.

References

Armstrong, J., Draping for Fashion Design, Fair child Publications ,New York.2004

Bray N., Dress Pattern Designing, 2003 (5th edition) Willey Blackwell.

Reader's Digest-Complete guide of sewing, The Reader's Digest Association Ltd., London

Relis, Nurie., & Jaffe, Hilde., Draping for fashion Design, Prentice Hall career &

Technology, New Jersey.1993

Thomas, Anna, Jacob, The Art of Sewing, UBSPD Publishers Distributors Ltd, New Delhi

Penelope, Cream., The Complete Book of Sewing- A Practical Step by Step Guide to Sewing

Techniques ADK Publications Book, New York 1996

Pattern Making for Fashion Design by Helen Joseph Armstrong, 2005, Prentice Hall

Advance Computer Aided Fashion Design

Time Allowed: 3 Hrs

Maximum Marks: 100

Study in detail the different tools of Corel Draw and Photoshop.

Draw stylized fashion figures and design different type of silhouettes.

Color/ textures/ prints on dress.

Make collage, swatch board.

Draw fashion details in garments like collars, cuffs, sleeves, Stitch lines, Trims etc.

Create theme based background.

Design a mood/story board according to the selected theme.
 Design a logo and create a brochure for your own label.
 Create prints, texture, repeats, color ways using own label.
 Fashion accessories like hand bags, footwear's jewelry etc.

References

According to the software manuals.

Fashion Illustration-I

Time Allowed: 3 Hrs

Maximum Marks: 100

Rendering of various fabrics types – Chiffons, Crepes, denims, tweeds and corduroys ikats, tie & dyed.
 Fabrics, satins, spandex, laces and nets etc.
 Effect of principal and elements of design in dresses.
 Fashion figure in different poses.
 Mood boards.
 Client profile.
 Illustration sheet.
 Specification sheet.
 Fashion illustration for western and Indian dresses.
 Illustrate a figure using texture in the garment.
 Illustrate variations in gown, skirts, dresses, trousers, coats, jackets etc.

References

Fashion Drawing—the Basic Principles by Anne Allen & Julian Seaman-B.T. Batsford,London 1994.
 Fashion Design Drawing & Presentation by Patrick John Ireland, 4th Edition, New Delhi, Om, 2005.
 Fashion Design Illustration Children by Patrick John Ireland- London, B.T. Batsford,1995.
 Bride M Whelan, “Color Harmony”, Rockfort Publishers, 1992.
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 Elizabeth Drudi, T Pack, “Figure Drawing for Fashion”, The Pepin Press.
 Drake and Nicholas, “Fashion Illustration”, Thames and Hudson, London, 1994.
 Abling Bina, “Fashion Sketch Book