

देवी अहिल्या विश्वविद्यालय, इन्दौर
स्नातकोत्तर पाठ्यक्रम की परीक्षा योजना
प्रथम सेमेस्टर सत्र 2019-20 के लिए

विषय - गृह विज्ञान Clothing and Textiles

प्रश्नपत्र	प्रश्नपत्र का शीर्षक	अधिकतम अंक		न्यूनतम उत्तीर्णांक	
		सैध्दांतिक	सी. सी. ई	सैध्दान्तिक	सी. सी. ई
I	Textile Chemistry	85	15	28	05
II	Fabric Construction and woven fabric Analysis	85	15	28	05
III	Advanced Apparel Design and Advance Apparel construction.	85	15	28	05
IV	Research methods and statistics.	85	15	28	05
Practical	Practical- I :-Textile Chemistry	25	—	09	—
Practical	Practical –II :- Fabric Construction and woven fabric Analysis.	25	—	09	—
Practical	Practical –III:- Advance Apparel Design and Advance Apparel construction.	50	—	17	—

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15/07/19

Department of Higher Education, Govt. of M.P.
Semester wise syllabus for Postgraduates
As recommended by Central board of Studies and
Approved by HE the Governor of M.P.

M.Sc. (Home Science)
CLOTHING & TEXTILE
SEMESTER-I
PAPER-I
TEXTILE CHEMISTRY

Max. Marks: 50

Objectives:

1. To acquaint the students about the polymers of which the textile fibers are made.
2. To understand the chemistry, production and fundamental properties of natural and synthetic fibers.
3. To familiarize with the chemical processing from desizing to finishing of textiles and principles.
4. To acquaint the students with some advanced textile technology.

UNIT- I

Introduction

1. Need of studying textile chemistry
2. Polymer Chemistry
 - a). Polymers, methods of polymerization, polymerization process.
 - b) Definition of co-polymer, oligomer, graft-co-polymer
 - c) Degree of polymerization, molecular weights of polymers and its Determination. (In brief)
 - d) Characterization of polymers using chemical and instrumental method. (In brief)
4. Orientation and crystallinity of polymers; their influence on fiber Properties.

Waj. Shau

UNIT-II

1. Chemistry of cellulosic fibers
 - a) Introduction to cotton, varieties, properties, longitudinal and cross-sectional view.
 - b) Molecular structure of cellulose, action of acids and alkalis, hydro cellulose and Oxy-cellulose, mercerization, liquid ammonia treatment
 - c) Regenerated cellulosic fibers-viscose rayon, cuprammonium rayon, Cellulose acetate.
 - d) Rayon, polynosic-their manufacture, properties and uses.
2. Protein fibers-Wool and silk
 - Chemical composition, molecular structure, physical and chemical properties, action of acids, alkalis and other chemical on protein fibers. Brief description on, felting of wool, degumming and weighting of silk, Shrink proofing of wool.

UNIT-III

- 1 Synthetic Fibers-Polyester, polyamide and acrylonitrile fibers.
 - a) Chemistry of the fibers- raw material, manufacturing process from polymer to fiber stage.
 - b) Physical and chemical properties of all the fibers and their uses. Examples of Commercial production in India.
2. Blends of different fibers-composition and properties and uses in textile and clothing. (in brief)
3. Other natural and synthetic fibers- Their chemical composition, properties and uses viz. Jute, flax, hemp, tencel, polyethylene, carbon, polycarbonate, metallic, glass fiber and polyurethane fibers. (in brief)

UNIT-IV

Scientific basis of dyeing and printing of textiles

1. Classification of textile dyes, commercial dyes, C.I. constitution Number and C.I. generic number.
2. Theory of dyeing
 - a) Chemical structure of various classes of dyes.
 - b) Application of dyes on various substrates including blends.

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UNIT-V

Textile finishing

1. Classification of finishes
2. Mechanical finishes-
Chemical finishes- mercerization , parchmatisation , durable press , wash 'n' wear , wrinkle recovery , chlorination. Resins, their application and chemistry.
3. Special purpose finishes-
Flame retardant , water repellent , antistatic, stain and soil release , moth Proofing.
4. A brief introduction to new development in fibers manufacture
 - a. Bi component and bi constituent fibers. (in brief)
 - b. Special purpose fibers.

References

1. Shenai, V. A. (1984): Technology of textile processing, Vol. IX, Sevak Publication.
2. Cook, J. Gordon, Hand book of textile fibers, Man made fibers, merrow Publishing Co. Ltd. England.
3. Moncrief: R.W. Manmade fibers, John Willey & Sons New York.
4. Trotman, E.R. (1975): Dyeing and chemical technology of textile fibers Charles Griffino Compony Ltd., London.
5. Marsh, J. T.(1979): An Introduction to Textile Finishing, B.I. Publication
6. Mark H. Woodling N.S. & Atlas, Smeeds, (1970) :Chemical after Treatment of Textiles, John Willey & Sons inc., NY.
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8. Fundamental Finishes- Part A. Marcel Deker, Inc. NY.Base.
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10. Gulrajan M. L. And Gupta D.(1992):Natural Dyes and their Application To Textiles, IIT Delhi.
11. Mohanty, Chandramouli, Naik, (1987): Natural dyeing process of India Ahmedabad, Calico Museum of Textiles.
12. India Hori Business on line, <http://www.agroindia.org/>1HOL.

Maj, Hori

(M.Sc. in CLOTHING & TEXTILE)
SEMESTER - I
PRACTICAL : TEXTILE CHEMISTRY

Max.Marks-30

Any eight exercises of the following:

1. Identification of fiber-cotton, polyester, viscose, polyamide, wool, Silk, jute, etc. Use of burning test, microscopic examination, chemical test, Solubility test and staining tests.
2. Quantitative analysis of binary blends- polyester/cotton, polyester/viscose, Polyester/wool, cotton/wool.
3. Enzymatic desizing, scouring and bleaching of cotton fabric.
4. Dyeing of cotton (yarn) with direct, reactive and vat dyes (one each) by Exhaust method. Dyeing of polyester with a disperse dye in high temperature and high pressure (HTHP) dyeing technique. Dyeing of wool and silk with an acid dye by exhaust method. Dyeing of acrylic fiber with a basic cationic dye by Exhaust method.
5. Use of natural dyes and mordent.
6. Study chemical properties of fiber as related to textile finishing
7. Mercerization in cotton
8. Felting of wool
9. Weighting of silk
10. Degumming of silk
11. Permanent pleating PET
12. Determination of strength of bleach liquor
13. Determination of hardness of water
14. Determination of alkalinity in soap solutions
15. Mill visit to acquaint student with modern chemical processing.

Majid Khan

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M.Sc. (Home Science)
CLOTHING & TEXTILE
SEMESTER-I
PAPER-II
FABRIC CONSTRUCTION AND WOVEN FABRIC ANALYSIS

Max. Marks: 50

Objectives:

1. To enable students to understand and learn methods of developing fabrics Using different fibers ,yarn and fabric making techniques.
2. To gain knowledge and understanding of fundamentals of weaving Machinery and processes.
3. To analyze different weave patterns and learn principles of creating design through weaving.

UNIT-I

1. Principles of yarn manufacture – yarn processing
For natural fibers- cotton , wool, & worsted, jute, linen by
Conventional systems and recent developments like:
a) OE Spinning- Rotor, Vortex, Friction, Air jet Electrostatic, Twist less
b) Self twisting c) Fasciated
2. Yarn nomenclature and measurement – Yarn numbering systems
Geometry of different classes of yarns and its relationship to fabric properties.

UNIT- II

1. Modern developments in yarns and at their manufacture
Modern yarn production – principles of spinning in production of
Manmade fibers dry and wet drawing; spun yarn; blend yarn and
Bi-component yarn.

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2. Textured yarn technology- principles methods and process variables
In texturing & their effect on properties of textured yarns; morphological changes induced by texturing.
3. Core yarns, network and film yarns and laminated yarns.
Designing through variables in yarns.

UNIT- III

1. Principles of fabric manufacture- basic principles, characteristics and significance of different processes-woven, knitted, Braids.
 - a) Weaving
Parts and function of the handloom
Types of weave – basic and decorative
 - b) Knitting
Knitting machines, types of knitting
Properties

UNIT-IV

1. Principles of fabric manufacture- basic principles characteristics and Significance of different processes- non-woven, laces, braids.
 - a) Felts and non-woven
 - b) Knotting, braiding and lace making
2. Introduction to technical Textiles- geo textiles. *X*
Fabric faults- fiber, yarn and fabric defects and their remedies.

UNIT- V

1. Woven: Sequence of operations in warp & weft preparations (in brief)
 - a. Various types of looms and their drive *old & new used*
 - b. Fabric classification and analysis of fabrics for its construction Weaves..
 - c. Dobby, jacquard shedding and weaving terry pile.
 - d. Principles of color and design in weaving: Preparation of pattern
 - e. For doobby and jacquard looms; brocade, damask, terry warp & weft Pile weaving.
 - f. Textile design through weaving.
2. New developments in woven fabrics - New looms *X*
 - a. Developments: Tri-axial weaving, knit and weave construction.

Majid Saeed

REFERENCES

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2. American cotton Handbook-Merrill
3. Suboth Kumar Agrawal(1980):Textile Processing and Auxillaries.
4. Textiles- Burkner-(1988) Abhishek Publication.
5. Essentials of Textiles- M. Joseph , Holf Rinechants,Winston Publication.
6. Irene Waller:Designing with Threads.
7. Edward Miller (1992) Textiles.
8. Corbman, B. Fiber To Fabric.
9. Book- Textiles- Prop.& Behaviour in Clothing Use-Year (1992).
10. What is textiles; pagr 10-13
11. Woven Fabrics , Knitted Fabrics
12. Fabric structure (86-94)
13. Woven fabric, fabric width, fabric weight, woven fabric structure,
14. Weaves, weave variety, plains,twill, stains weave.
15. Bock- Textiles- Year 1998 By A. F. Barker, chapter 7 Principles of Weaving ; page 154-171.
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19. William Watson-Advanced Textile Design, London. Longmans Green And Co. Ltd.
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21. Aswani, K.T.:Weaving Machanism – Mahajan Book Distributers,Ahmadabad.
22. Sengupta,R. Weaving Calculations Taraporewale Sons & Co.Bombay 18. Robinson and Mark: Woven Cloth Construction- Butter Worth and Co. Ltd., London.
23. Thorpe,Azaba; Elements of Weaving- Doubleday &Co. Inc NY
24. Singh R.B., Modern Weaving, Mahajan Book Distributers, Ahmadabad.
25. Kulkarni,M.M. Weaving Technology;Virinda Publication, Jaipur.
26. Amalser,D.M.; Yarn & Cloth Calculation. Amalser,D.M. ; Handloom Weaving.
53. Amalser,D.M. ; Fabric Structure and Cloth Analys

Wafar Khan

(M.Sc. in CLOTHING & TEXTILE)

SEMESTER -I

PRACTICAL : FABRIC CONSTRUCTION AND WOVEN FABRIC ANALYSIS

Max. Marks: 30

- Setting up of simple loom- calculation of raw materials.
- Weaving on simple loom, plain, rib, matt and twill structures.
- Fabric analysis for design, repeat, draft, peg plan & other details.
- Creating design for stripes, checks, dobby & jacquards.(Sketching)
- Visit to weaving mills.
- Survey - various fabrics available.
- Collection of samples according to texture and weaving.
- Different types of knitting stitches and prepare samples.
- Lace making-Crochia, Tatting, U-pin. Prepare sample of any one.
- Different types of knotting used by Macrame thread-prepare any one small article.

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M.Sc. (Home Science)
CLOTHING & TEXTILE
SEMESTER-I
PAPER-III
APPAREL DESIGN & ADVANCED APPAREL CONSTRUCTION

Max. Marks: 50

Objectives

1. To impart an in-depth knowledge of style reading, pattern making, And garment construction technique.
2. To develop and understand the principles of pattern making through
2. Flat pattern and draping.

UNIT-I

1. Detailed study of industrial machines and equipment used for
 - a. Cutting
 - b. Sewing
 - c. Finishing
 - d. Embellishment
2. Study the interrelationship of needles, thread, stitch length and Fabric.
3. Methods of pattern making.
Drafting - Drafting of children's block, Sleeve block and collars (Peter Pan collar, stand collar and shirt Collar)
4. Essentials of making paper patterns- Symbols, Placement of drafting, pinning, marking and cutting.
Making paper patterns (symbols)

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UNIT-II

1. Introduction to draping
2. Principles of draping
3. Flat Pattern Making
4. Dart manipulation (Slash and Pivot methods).
- 5... Understanding the commercial paper pattern
- 6... Selection of commercial paper pattern
- 7... Layout on different fabrics, widths and types.

UNIT- III

1. Fitting- Factors affecting good fit, common problems encountered and Remedies for fitting defects
 - Upper garment
 - Lower garment

UNIT- IV

1. Buying criteria for-
 - a. Knits, silks, denim and other special fabrics
 - b. Readymade garments.
2. Clothing for people with special needs
 - a. Maternity and lactation period
 - b. Old age
 - c. Physically challenged

UNIT- V

1. Evaluating the quality of apparel
2. Identification of the components of apparel
3. Fiber content, shaping devices, underlying fabrics, pockets, necklines, Hem treatments, decorative details and alteration potential.
3. Standards for evaluating the various components.

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References:-

1. Armstrong, Pattern making for fashion design.
2. Gioello and Berke: Figure Type And Size Range, Fairchild Publication, New York.
3. Grate and Storm: Concepts in Clothing, Mc Graw Hill Book Co. New York.
4. Bina Abling, Fashion Sketch Book, Fairchild Publications, New York.
5. Claire Shaeffers: Fabric Sewing Guide, Chilton Book Company, Radnot, Pennsylvania.
6. Harold Carr and Barbara Lathan: The Technology Of Clothing Manufacture, Oxford BSP Professional Book London.
7. Stampier, Sharp & Donell: Evaluating Apparel, Quality- Fairchild Publications, New York.
8. Natalie Bray: Dress Fitting Published By Blackwell Science Ltd.
9. Margolis Design Your Own Dress Pattern Published By Double Day And Co. Inc. New York.
10. Slampler, Sharp & Donnell: Evaluating Apparel Quality- Fairchild Publication, New York.
11. Natalie Bray Dress Fitting Published by Blackwell Science Ltd.
12. Margolis Design Your Own Dress Pattern Published by Double Day And Co. Inc. New York.

Margolis

(M.Sc. in CLOTHING & TEXTILE)

SEMESTER-I

PARCTICAL: APPAREL DESIGNAND ADVANCE APPAREL CONSTRUCTION

Max.Marks:40

Any eight of the following exercises:

1. Designing through flat pattern-Dart manipulation
2. Development of variation in sleeves, set in sleeves and bodice combinations.
3. Development of variations of collars- Roll over collar , Collar with bodice
4. Necklines and facings- Scooped necklines, Built-up necklines, Cowl necklines
5. Plackets
 - Center button closing, Asymmetrical closing, Double breasted
 - Fly front opening , Zipper in seam, without seam
6. Development of paper pattern and construction of garments
...(using checks, stripes, unidirectional and novelty fabrics)
7. Designing through draping
 - Basic draping principles and techniques
 - Developing pattern
8. Fashion sketching
9. Term garments - 2
10. Development of slopers for skirt variations-
Low and high waist. A line, flared, circular, pleated, yoked with godet /
peplum
11. Skirt band- separate band, faced waist line
12. Pockets - Slashed pockets-welt, bound flaps, Inseam pockets, closed and open
13. Designing, drafting and construction of skirts

marks

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M.Sc. (Home Science)
CLOTHING & TEXTILE
SEMESTER-I
PAPER-IV
Research Methods and Statistics

Max. Marks: 50

Objective:

- To understand the significance of statistics and research methodology in Home Science research.
- To understand stand the types tools, methods of research and develop the ability to construct data gathering instruments appropriate to the research design.
- To understand and apply the appropriate statistical technique for the measurement and design.

Unit -- I

- ❖ Research: Meaning, Objectives and significance of research.
- ❖ Science, scientific methods, scientific approach.
- ❖ Role of statistics and research in Home Science discipline.
- ❖ Types of Research: Historical, descriptive, experimental, case study, survey research, observation research.

Unit – II

- ❖ Definition and Identification of A Research Problem.
- ❖ Selection, justification & limitation of research problem.
- ❖ Hypothesis - meaning nature, characteristics, types & functions of hypothesis.
- ❖ Variables: Meaning, nature, type & selection of variables.

Unit – III

Sampling methods:-

- ❖ Population and sample.
- ❖ Probability & Semi probability sampling : simple random, systematic random sampling, two stage and multi stage sampling, cluster sampling.
- ❖ Non - Probability sampling: Purposive quota and volunteer sampling.
- ❖ Merits & Demerits of sampling.

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Unit - IV

Research Design -

Meaning, features concept & purpose of research design.

Qualitative Research Method

Definition Theory design types reliability & validity of :-

- (i) Case study
- (ii) Interview
- (iii) Observation

UNIT - V

Quantitative research method

Definition theory design types reliability & validity of

- (i) Socio metric scale
- (ii) Questionnaire
- (iii) Schedule.

Majid Hussain

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द्वितीय सेमेस्टर सत्र 2019-20 के लिए
विषय – गृह विज्ञान Clothing and Textiles

प्रश्नपत्र	प्रश्नपत्र का शीर्षक	अधिकतम अंक		न्यूनतम उत्तीर्णांक	
		सैध्दांतिक	सी. सी. ई	सैध्दान्तिक	सी. सी.ई
I	Textile testing and Quality Control	85	15	28	05
II	Historic Textile	85	15	28	05
III	Fashion Designing	85	15	28	05
IV	Statistics and Computer Application	85	15	28	05
Practical	Practical- I :-Textile Testing and Quality Control	25	—	09	—
Practical	Practical –II :- Historic Textile, Fashion design and fashion illustration.	50	—	17	—
Practical	Practical –III:- Statistics and Computer Application	25	—	09	—

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M.Sc. (Home Science)
CLOTHING & TEXTILE
SEMESTER-I I
PAPER-I
TEXTILE TESTING AND QUALITY CONTROL

Max. Marks: 50

Objectives

1. To develop an understanding of methods and technique used to analysis Textile fiber, yarns and fabrics for end use performance.
2. To acquire knowledge and understanding of various structural properties of textiles and relate them to end use fabric performance and product.
3. To familiarize students with the different testing equipments, their underlying principles and the international accepted standards, Test methods and the language of measurement.
4. To be able to analyze and interpret the results and predict the general textile testing.
5. The aim of this paper is to acquaint the student with the multifaceted profile of the textile industry of India, the economic regime and policy regulations within which the industry is operating.

UNIT-I

1. Introduction to Textile Testing
 - a. Concept and scope
 - b. Application areas
 - c. Use of statistics in data management
 - d. Sampling procedures

Manju Sharma

UNIT-II

2. Total quality management (TQM) approach in the field of textile & Clothing
3. Standardization
 - a. Standards for fabric performance.
 - b. Organizations for standardization (National & International)
 - c. Quality control of textile products.
 - d. Quality standards as applicable to various types of textiles (Garments, Yardage, knits, woven, carpets, processing, dyeing).

UNIT-III

1. Properties of textiles at different stages of processing and their principle Of measurement.
 - a. Fibers- length, fineness, evenness
 - b. Yarn- strength, evenness, openness, load, elongation, crimp.

UNIT-IV

- c. Fabrics- strength, elongation, shrinkage, thickness, cover, air Permeability, crease recovery, weight, comfort, stiffness, flammability,
- d. Repellency, color fastness.
- e. Garment finishing- color fastness, shrinkage Concept of fabric faults as related to stages of manufacture and the Remedies.

UNIT- V

1. Concept of statistical QC
 - a. Sampling
 - b. Test methods used
 - c. Tolerance limits, CV%

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1. Booth, J.E.: Principles of Textile Testing- Newness Butter Worth, London.
2. Billie, J. Collier and Helen H. Epps- Textile Testing and Analysis- Prentice Hall, New Jersey.
3. John H. Skinkle- Textile Testing- Brooklyn, New York.
4. Grover and Hamby- Hand book of textile testing and quality control Wiles.
5. SI Specifications , BSI Specification.

Manjot Singh

6. ASTM Standards.
7. Mishra and Puri, Indian Economy, Himalay Publishing House.
8. National Textile Policy 1986, 2000.
9. Journals- Economic Times, Financial Express & Apparel on line.
10. Industry Published Journals/ newsletters e.g. From SASMIRA,

(M.Sc. in CLOTHING & TEXTILE)

SEMESTER - II

PRACTICAL: TEXTILE TESTING AND QUALITY CONTROL

PRACTICALS-

Max. Marks: 25

1. Physical testing of textiles using appropriate standardized procedures
 - . Fibers- length, diameter, fineness
 - . Yarn- count, heaviness ,twist, crimp, strength
 - . Fabric- Thread count, thickness, air porosity, abrasion, strength
(Tensile, Tear, Bursting) water vapor permeability, cover, stiffness, drapability,
Crease recovery, pilling, and abrasion.
2. Chemical Testing
 - . Identification of fibers
 - . Binary fabrics- Blend composition.
 - . Shrinkage, water, oil repellency
 - . Sensitivity to various reagents.
3. Dyes
 - . Identification of dye class
 - . Color fastness
4. Mechanical Testing
 - . Seam strength
 - . Identification of fabric weaves, Thread count.
5. Inspection of Final Garment

Manoj Kumar

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M.Sc. (Home Science)
CLOTHING & TEXTILE
SEMESTER-I I
PAPER-II
HISTORIC TEXTILES

Max. Marks: 50

Objectives:-

- 1.. To gain knowledge of the significant developments in production of Textiles in the world.
2. To assess similarities and dissimilarities in different civilizations in Term of fiber production, ornamentation and usage.
- 3...To study textiles of historical significance which influenced other cultures & civilization.

UNIT- I

1. Importance of textiles in historical perspective- early fibers and their products , their use in early civilization- India ,China Egypt, Mesopotamia, Persia, Crete, Greek, Rome and Peru.

UNIT- II

2. Development of different fibers- Cotton, Silk, Wool, Linen in different countries of significance - in term of processing , tools and equipments used, design and ornamentation applied and specialties achieved.

UNIT- III

3. Development of embroideries from ancient times- India, China, Europe, Persia, Latin & South America- techniques, designs and usage.

UNIT- IV

4. Development of dyeing and printing since ancient times- dyes, methods of dyeing- decorative dyeing ,methods & style of printing – tools developed and effects achieved.

UNIT- V

- 5 Historical textiles of special significance
 - . Carpet, Tapestries, Brocades, Laces, Shawls
 - . Resist dyed and ikat fabrics. Printed and painted fabrics

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6. Centers of development, historical impact on other areas, specialties achieved
Techniques developed, ornamentation- color, designs applied & articles produced.

References-

1. Bosomworth Dorothy (1995):The encyclopedia of Patterns and motifs,Studio Editions, London.
2. Dhamija Jasleen (1979): Living Traditions of Iran's Crafts, Vikas publishing House, New Dehli.
3. Dupont Auberville, M. (1989):Classics Textiles, Bracken Books London.
4. Gillow John (1992):Traditional Indonesian Textiles, Thames and Hudson, London.
5. Gillow John Sentence Bryan (1999):World Textiles, Thames and Hudson, London.
6. Ginsburgh, M. (1977):Embroidery, Marshall Cavendish Editions, London.
7. Guy John (1998) :Woven Cargos, Thames and Hudson.
8. Harris Jennifer (1993): Textiles 5000 years, Henry and Brans Inc. New York.
9. Harvey Janet (1996):Traditional Textiles of Central Asia, Thames and Hudson. London.
10. Jones Owen (1997): The Grammer of Ornament, Bernard Outrich, London.
Lewis Ethel: Romance of Textiles.
- 11.Paine Sheila(1990): Embroidered Textiles Tradions, Thames and Hudson, London.
12. Stone Miller Rebecca (1994): To weave for the Sun, Thames and Hudson, London.
13. Reader's Digest (1973): History of Man-The Last Two Million Years.

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M.Sc. (Home Science)
CLOTHING & TEXTILE
SEMESTER-I I
PAPER-III
FASHION DESIGN

Max. Marks: 50

Objectives:

The course aim at providing in depth working knowledge of the development and Enables to the student to use and practice skills and knowledge already acquired And use it to market situation.

UNIT-I

1. Elements and Principles of Art and Design
 - a. Plastic elements- line, form, space, color and texture.
 - b. Elements used in creating a design.
 - c. Principles of Design- Rhythm, Balance, Proportion, Emphasis, Unity.

UNIT-II

1. Composition-
 - a. with one element.
 - b. With more than one element.
2. Color- Its sensitivity and composition in dress.
3. Harmony- in form of space coverage to design of the dress.

UNIT-III

1. Components of fashion:
 - a. Silhouette
 - b. Texture
 - c. Seams
 - d. Trims
 - e. Fabric
 - f. Details
 - g. Color

UNIT-IV

1. Fashion Forecasting.
2. Study of markets and segments.
3. Designers- International and Domes

UNIT-V

1. Sketching of fashion figure (front, back, and side view)
2. Garments and Garments Details:-
 - a. Necklines and collars
 - b. Frills, fringes and gathers, cowls &
 - c. Sleeves details
 - d. Cascades.
 - e. Skirts and pants
 - f. Hemlines and in sections
 - g. Blouses, coats and jackets
 - h. Lacing, macrames, patch work
 - i. Drawstring and fastenings
 - j. Tassels and tucks

REFERENCES

1. Sharon Lee Tate, Inside Fashion Design Harper and Row, Publishers NY
2. Kathryn Samual, Life Styles, Fashion Styles, Orbis London.
3. Milbank, C.R.(1985):COUTURE, The Great Fashion Designers, Thomas and Hudson Publication.
4. Cater E.(1977): The Changing World of Fashion, G.P. Putnam's Sons, NY
5. Rubin L.G.(1976):The World of Fashion, Canfield Press, San francisco
6. Castelino, M.(1994): Fashion Kaleidoscope, Rup & Co.
7. Walz, B. and Morris,B. (1978): The Fashion Makers, Random House.
8. Carr, H. and Pomery, J. (1992): Fashion Design and Product Development, Blackwell Scientific Publications, London, Edinburgh, Boston.

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(M.Sc. in CLOTHING & TEXTILE)

SEMESTER - II

PRACTICAL : HISTORIC TEXTILES, FASHION DESIGN &

FASHION ILLUSTRATION

Max. Marks: 50

Historic Textiles

PROJECT (20 Marks)

1. Preparation of portfolio of designs of different textiles.
2. Prepare and present term paper on any one or two areas.

Fashion Design & Fashion Illustration (30 marks)

1. SKETCHING

- Sketching of different action croquis (front, back and side view) (computer application)
- Garment and garment details.
- Neckline and collars, Skirts and pants
- Blouses, Coats and jackets, Drawstring and fastenings, tassels and tucks, frills, fringes and gathers, cowls, sleeve details– Hemlines and insertions, lacing, macramé and patch work, shirring, smocking and zips, yokes and underskirts, cascades,
- Sketching of Accessories. – Hats and head gears, footwear, bags and purses, jewellery

2. Developing a line of garments on a theme (any one of the following)

- Casual wear
- Sports wear
- Cocktail wear
- Executive wear.
- Ramp wear
- Evening wear
- Traditional Indian costume

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3. SKETCHING

- Basic rendering techniques. – Color matching using different mediums, stripes checks, gingham & plaids , patterns & textures ,reducing a print, shading
- Developing a line of garments based on a theme.

4. Understanding and sketching theme based on fashion forecast.

- Sourcing of raw materials. Developing line, based on fabric and theme selected. Spec sheet study. Sampling. Garment analysis
- Costing- construction of garments. Line presentation. Use of sale promotion material

Designing of 5 garments for selected theme drafting and making patterns for the same construction of any 1/2 garment.

References :

1. Abling Bina, Fashion Sketch, book, Fairchild Publishers, New York.
2. Mckelvey Kathryn, Illustrating Fashion Blackwell Science Munslow Janine
3. Seaman Julian, Professional Fashion Illustration, B.T. Batsford Ltd. London.
4. Ireland, Patrick John, Fashion Illustration.
5. Allen Anne Seaman Julian Fashion Drawing The Basic Principles B.T. Batsford Ltd. London.

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Semester wise syllabus for Postgraduates
As recommended by Central board of Studies and
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M.Sc. (Home Science)
CLOTHING & TEXTILE
SEMESTER-II
PAPER-IV

STATISTICS & COMPUTER APPLICATIONS

Marks Theory - 50

Objectives

1. To understand the role of statistics and computer applications in research.
2. To apply statistical techniques to research data for analysing and interpreting data meaningfully.

Note : Special instructions should be send to paper setter to set one Theoretical question and its option should numerical question.

UNIT- I

1. Classification and tabulation of data, Measurement of central tendency, measures of variation.
2. Graphic presentation , Frequency distribution, histogram, frequency, polygons, Ogive.
3. Average of position in individual , discrete and continuous series.

UNIT- II

1. Normal distribution- Characteristics, deviation from normality.
2. Measures of variability – Range quartile deviation , Mean deviation , Standard deviation or SD.

UNIT- III

1. Testing of hypothesis. Type I and Type II errors.
2. Non Parametric methods, Chi-square test Application of student 't' test for small samples. Difference in proportion for means and difference in means – Critical ratio.

UNIT- IV

1. Correlation – Meaning, types.
2. coefficient of correlation by scatter diagram, rank correlation, Product movement method.
3. Analysis of Variance- Nature use & basic concept one and two way .

UNIT- V

1. Experimental Designs- Nature , types – Single Group – Two group – Control & experimental Group.
 - Randomised block design
 - Latin square design
 - Latin square design
 - Factorial design

References

1. Garrett, Henry E. (1971). Statistics in Psychology and Education, D. Van Nostrand and Co.
2. Edwards. Experimental Design as Psychological Research.
3. Kerlinger : Foundation of Education Research

SPSS/PC for the IBM PC/XT, SPSS Ins.

Majid Shah

M.Sc. (H.Sc.)

Semester - II

Course : IV Statistics And Computer Application

Practical

Marks - 25

1. Tabulation.
2. Graphic Presentation, Frequency curve, Histogram, Frequency Polygons, Ogive.
3. Calculation of Mean, Median, Mode.
4. Calculation of Standard Deviation.
5. Correlation.

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स्नातकोत्तर पाठ्यक्रम की परीक्षा योजना
 तृतीय सेमेस्टर सत्र 2020-21 से अविरत
 विषय - गृह विज्ञान Clothing and Textiles

प्रश्नपत्र	प्रश्नपत्र का शीर्षक	अधिकतम अंक		न्यूनतम उत्तीर्णांक	
		सैध्दांतिक	सी. सी. ई	सैध्दान्ति क	सी. सी. ई
I	Knitting Technology	85	15	28	05
II	Historic costume	85	15	28	05
III	Social and Psychological aspect of clothing	85	15	28	05
IV	Fashion Communication	85	15	28	05
Practical	Practical- I :-Draping	50	-	17	-
Practical	Practical -II :- Textile Design (Structure)	50	-	17	-

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केंद्रीय अध्ययन मण्डल द्वारा अनुशंसित तथा म. प्र. के राज्यपाल द्वारा अनुमोदित

Class / कक्षा : M.Sc. (Home Science)
Semester / सेमेस्टर : III
Subject / विषय : Clothing and Textiles
Title of Subject Group : Knitting Technology
विषय समूह का शीर्षक :
Paper No. / प्रश्नपत्र क्रमांक : I
Compulsory / अनिवार्य या Optional / वैकल्पिक अनिवार्य : Compulsory
Max. Marks अधिकतम अंक : 50
Particulars / विवरण

Objectives:

- 1.To gain experience in hand knitting and machine knitting.
- 2.To know about Indian knitting Industry.
- 3.To develop an understanding of the various knitting structure.
- 4.To understand stitching of knitted garments.

Unit-1	1. Introduction to knitting- definition of knitting, basic structural terms (Plain, Rib, Interlock, Purl). Difference between knits and woven. 2. Indian knitting Industry- past, presented, future.
Unit-2	1. Weft knitting and warp knitting- terms and definition used related and warp Knitting. 2. Comparison Of weft and warp knitting, 3. Classification of weft knitting machines and warp knitting machines.
Unit-3	1. Weft knitting- Basic structure, stitches, designing of weft- knit structure , needle and yarn selection for weft knitting. 2. Warp knitting- development of warp knitting machines, basic warp knit structures, yarns for warp knits.

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Unit-4	1. The structure and operation of various Knitting Machine. a) Flat Knitting Machine b) Circular Knitting Machine c) Tricot Knitting Machine d) Rachel Knitting Machine
Unit-5	1. Knitted garments- Cutting, stitching & Quality control of knitted garments. - Fully Cut - Fully Fashioned - Stitched Shaped - Integral

REFERENCES:-

1. David J. Spencer- Knitting technology, Pergeman Press, U. K.
1. Prof. D.B.Ajgaonkar- Knitting Technology, University Publishing Co-operation, Bombay.
2. Dr. Samuel Raz- Flat knitting Technology. Germany.
3. Terry Brackenbury- Knitted clothing Technology- Blackwell Science.

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~~Session 2010-11~~

Class / कक्षा : M.Sc. (Home Science)
Semester / सेमेस्टर : III
Subject / विषय : Clothing and Textiles
Title of Subject Group : Historic Costume
विषय समूह का शीर्षक :
Paper No. / प्रश्नपत्र क्रमांक : II
Compulsory / अनिवार्य या Optional / वैकल्पिक अनिवार्य : Compulsory
Max. Marks अधिकतम अंक : 50
Particulars / विवरण :
Objectives:

1. To acquaint students the privileging designs of costumes worn by people of different countries different periods.
2. To develop sensitivity and understanding towards historic silhouettes and designs.
3. To enable students to discuss about major Political, Economic and Social happenings in past and present.

Unit-1	1. Origin and functions of clothing. i). Clothing as a means of communication. ii). Clothing as an art form. iii). Limitations to the design of garments. 2. Costume in ancient civilization Mesopotamia, Egypt, Greek, Roman.
Unit-2	Medieval costume 1. Costume for Men & Women in 10 th & 11 th century. 2. Costume for Men & Women in 12 th & 13 th century.
Unit-3	1. Costume for Men & Women in 14 th & 15 th century. 2. Costume for Men & Women in 16 th & 17 th century.
Unit-4	1. Costumes of 18 th century (1800-1900) England, The American Colonies. 2. Costume of 19 th century France, England, Italy and Austria, The United States.
Unit-5	History of Indian State costume for Male and Female. i) Kashmir ii) Maharashtra iii) Gujarat iv) Rajasthan v) West Bengal vi) Tamil Nadu

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REFERENCES:-

1. "Survey of Historic Costume" Second Edition Phyllis c. Titora, Keith Eubank.
2. "Costume of Indian & Pakistan" S. N. Dar.

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Department of Higher Education, Govt. of M.P.
Post Graduate Semester wise Syllabus
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Class / कक्षा	: M.Sc. (Home Science)
Semester / सेमेस्टर	: III
Subject / विषय	: Clothing and Textiles
Title of Subject Group	: Social and Psychological aspects of Clothing
विषय समूह का शीर्षक	:
Paper No. / प्रश्नपत्र क्रमांक	: III
Compulsory / अनिवार्य या Optional / वैकल्पिक अनिवार्य	: Compulsory
Max. Marks अधिकतम अंक	: 50
Particulars / विवरण	
Objectives:	

The aim of this course is to study the psychological effects of clothing on the individual in social situations.

Unit-1	1. Origin of Clothing a. Why costumes differ all over the world, material aspects and climate. b. Religious influence c. Events of the world
Unit-2	1. Socialization and development of the self b. Social norms c. Individuality and conformity
Unit-3	1. Personality and personality defined. 2. The study of dress and adornment 3. Personality Theory a. Sigmund Freud Theory defense mechanisms
Unit-4	1. Personality and Types of personality 2. Determinants of Personality 3. The analysis of clothing behavior.
Unit-5	1. Psychological aspects of clothing on children. 2. Psychological aspects of color in clothing.

REFERENCES:-

1. Avis, M. Dry(1961): The Psychology of Jung, Methuen & Co., London.
2. Horn, Marilyn J. (1968): The second skin, Houghton Mifflin Co., USA.
3. Flugel, J.C. (1950): The Psycho-analytical study of the family, The Hograth Press & Institute of Psycho Analysis, London.
4. Richard Wollheim (1985): Freud, Fontona Press, London.
5. Vincent Brome (1978): Jung, Granada Publishing, London, Toronto Sydney, New York.

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Class / कक्षा	: M.Sc. (Home Science)
Semester / सेमेस्टर	: III
Subject / विषय	: Clothing and Textiles
Title of Subject Group	: Fashion Communication
विषय समूह का शीर्षक	:
Paper No. / प्रश्नपत्र क्रमांक	: IV
Compulsory / अनिवार्य या Optional / वैकल्पिक अनिवार्य	: Compulsory
Max. Marks अधिकतम अंक	: 50
Particulars / विवरण	
Objectives:	

To enable the students to critically appreciate and understand the intricacies of the fashion industry and to impart skills of communication comprising of visualization and illustration.

Unit-1	Fashion and the communication process 1. What is Fashion? 2. The theories of fashion adoption. 3. Communication through different media.
Unit-2	Written Communication Fashion writing, Creative writing, reporting features, editing and printing techniques, image management and advertising, public relations.
Unit-3	Visual Communication Visual merchandising and display, fashion photographs, fashion shows and multimedia.
Unit-4	Communication in Practice Scripting shows, conducting interviews, reporting events, fashion critics, formulating case studies, designing catalogues and brochures,
Unit-5	Communication in Practice Layouts for stands in Exhibition. Visualization of decor and ambience, preparing short films and audio visuals, choreography of fashion event.

REFERENCES:-

1. Farbey, A.D. How to Produce Successful Advertising. Kogan Page India Pvt. Ltd.
2. Jethwaney, J.N. (1999) Advertising, Phoenix Publishing House Pvt. Ltd.
3. Roundy, N. And mair, D. (1985). Strategies for Technical Communication, Little Brown and Company, Boston, Toronto.

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Session-2010-11

(M.Sc. in CLOTHING & TEXTILE)
SEMESTER- III
PRACTICAL- I: DRAPING

Max. Marks: 50

Objectives

1. To enable the student to make pattern from sketch/photograph.
2. To enable the student to obtain perfect fit and harmony between the fabric and design of the garment.

Contents

- Introduction to draping and silhouette of the individual- Dress form, Elements of fabric woven, knitted.
- Development of the ladies block crotch line garments by drafting and draping (shorts, Bermudas, trouser etc.)
- Draping of bodice block and skirt block and their variation.
- Draping of asymmetrical designs and preparing patterns.

REFERENCES:

1. Crawford C. A., The art of Fashion draping, Fair child Publications, NY.
2. Pamela C. Stinger, Pattern drafting for dressmaking.
3. Hillhouse, M.S. and Mansfield, E.A.: Dress Design- Draping and Flat Pattern, London.
4. Sheldon Maratha Gene- Design through draping, USA Burgers Publishing Company.
5. Brackman, Helen, L.-Theory of Fashion Design, New York, John Wiley and Sons.
6. Srtickland, Genuole- A Tailoring Manual- New York, Macmillon Company.
7. Pepin Herriet- Modern Pattern Design, New York.

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Post Graduate Semester wise Syllabus
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~~Session 2010-11~~

(M.Sc. in CLOTHING & TEXTILE)

SEMESTER- III

PRACTICAL- II: TEXTILE DESIGN (STRUCTURE)

Max. Marks: 50

Objectives:

- I) To develop awareness and appreciation of art & aesthetics in textiles.
- II) To impart creative and technical skills for designing textiles with Special emphasis on structural design.

Contents

1. Design analysis
2. Sources of inspiration for basic sketching and painting: nature, religion and mythology, arts and crafts architecture.
4. Process of designing
Motif development – geometrical, simplified, naturalized, stylized, Abstract, and ornamental.
Big and small motifs- enlargement and reduction, growth of a motif
5. Creation of patterns and designs
Combining motifs - a) big and small and b) Different sources
Placement and repeats for all over patterns
6. Introduction to related computer software
8. Portfolio development.

Reference

- Leonard G. Rubin (1976): The world of fashion , Publication canfield press, san fransisco.
Thames and Hudson (1994): Fasishion Illustration today, Thames and Hudson Ltd., London.
Patrick John Ireland : Fashion Design Illastration , B.T. Batsford Ltd., London.
Kathryyn Mckelvey and Janine Munslow (1997): Illastration Fashion , Blackwell Science Ltd.
Max Tilke (1990): Costume Patterns & Designs, Rizzoli, New York.
Anne Morrell (1995) : the techniques of Indian Embroidery, B.T. Batsford Ltd., London.
Prakash, K. (1996): Heritage- Traditional Border Collection, the Design Point Publication.
Prakash ,K. (1992): Expressions –Ethnic Indian Textille Designs, Deluxe Packaging.
Prakash ,K. (1989): Impressions , Deluxe Packaging.

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स्नातकोत्तर पाठ्यक्रम की परीक्षा योजना

चतुर्थ सेमेस्टर सत्र 2020-21 से अविस्त

विषय - गृह विज्ञान Clothing and Textiles

प्रश्नपत्र	प्रश्नपत्र का शीर्षक	अधिकतम अंक		न्यूनतम उत्तीर्णांक	
		सैध्दांतिक	सी.सी.ई.	सैध्दान्तिक	सी.सी.ई.
I	Dyeing & Printing	85	15	28	05
II	Garment Production Technology	85	15	28	05
III	Fashion Retailing and Merchandising	85	15	28	05
IV	Any one (A) Textile Industry in India (B) Mass Communication (C) Dissertation	85	15	28	05
Practical	Practical- I :-Dyeing & Printing	50	—	17	—
Practical	Practical -II :- Pattern Making and grading	50	—	17	—
Project	Job Oriented Project Work	100	—	—	—

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Class / कक्षा : M.Sc. (Home Science)
 Semester / सेमेस्टर : IV
 Subject / विषय : Clothing and Textiles
 Title of Subject Group : Dyeing and Printing
 विषय समूह का शीर्षक :
 Paper No. / प्रश्नपत्र क्रमांक : I
 Compulsory / अनिवार्य या Optional / वैकल्पिक अनिवार्य : Compulsory
 Max. Marks अधिकतम अंक : 50
 Particulars / विवरण

Objectives:

1. To impart the knowledge about preparation of fabric for dyeing & Printing.
2. To understand the theory of dyeing in relation to various classes of Dyes.
3. Application of various dyes & properties related to it.
4. To introduce the concept of dyeing at commercial level.
5. To inculcate awareness of the different methods of printing and Appreciate the technical advantage of each.
6. To develop technical competency in printing with different dyes On different fabrics.

Unit-1	1. Preparation of fabric for dyeing & printing 2. Scouring, bleaching, desizing 3. Equipment used at cottage & industrial level for fiber yarn and fabric.
Unit-2	Dye:- 1. Classification, definition. 2. Dyeing with chemical dyes. 3. Direct, reactive, vat, sulphur, azo (for cellulose) 4. Acid, metal complex, chrome mordant (for protein) 5. Basic, disperse (for manmade) 6. Dyeing with natural dyes 7. Use of pigments

Manoj Kumar

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Unit-3	1. Dyeing machine for fibers, yarns & fabrics 2. Dyeing auxiliaries & their uses 3. Dyeing of blends 4. Textile design through dyeing 5. Tie & dye 6. Batik 7. Union and cross dyeing
Unit-4	1. Introduction to printing. 2. Method of printing 3. Development of printing methods- block, stencil, roller and rotary screens. 4. Printing paste – Thickening agents & auxiliaries for printing and their suitability to various classes of dyes and fibers. 5. Preparation of printing paste.
Unit-5	1. Style of printing - Direct style, dyed, resist or reserve style and raised style. Styles and methods of printing traditionally used in India. 2. Printing procedures-transfer printing and flock Printing 3. Finishing and after treatment of printed goods.

REFERENCES:-

1. V. A. Shenai(1987),Chemistry of Dyes and Principles of Dyeing;
 2. Sevak Prakashan, Mumbai.
 3. H. A. Lubs, Robert E. The Chemistry of Synthetic Dyes and
 4. Pigments , Krieger Publishing Company, New York.
 5. V. A. Shenai(1999), Azo Dyes- Facts & Figures- Sevak
 6. Prakashan, Mumbai.
 7. R. S. Prayag, Technology Textile Printing- Noyes Data
 8. Corporation.
 9. V. A. Shenai,(1977):Technology of Printing- Technology of Textile
 10. Processing, Vol.IV, Sevak Publication.
 11. M. L. Gulrajani and Deepti Gupta(1990), Natural Dyes and their
 12. Application to Textiles, ed. I.I.T. Delhi Publication.
 13. John and Margarot Cannon (1994); Dye Plants and dyeing, The
- Herbert Press (UK). ASTM and ISI standards.K. Venkatrama (1970): Chemistry of Synthetic Dyes, Part I&II.

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उच्च शिक्षा विभाग, म.प्र. शासन
स्नातकोत्तर कक्षाओं के लिये सेमेस्टर अनुसार पाठ्यक्रम
केंद्रीय अध्ययन मण्डल द्वारा अनुमोदित तथा म. प्र. के राज्यपाल द्वारा अनुमोदित
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Class / कक्षा : M.Sc. (Home Science)
Semester / सेमेस्टर : IV
Subject / विषय : Clothing and Textiles
Title of Subject Group : Garment Production Technology
विषय समूह का शीर्षक :
Paper No. / प्रश्नपत्र क्रमांक : II
Compulsory / अनिवार्य या Optional / वैकल्पिक अनिवार्य : Compulsory
Max. Marks अधिकतम अंक : 50
Particulars / विवरण

Objectives:

- To enable the students to get acquainted with the latest garment/clothing manufacturing technology related to the current practice in the clothing industry.
- To make the students aware of the influence of garment retailing on the clothing production process.
- To impart knowledge about the latest electronic equipments and machines used in the garment industry.
- To make students aware of the importance of maintaining quality standards during production.

Unit-1	1. Introduction to the background and structure of the garment/clothing industry. 2. The organization of a garment factory 1. Various Departments like: a. Design Departments. b. Marketing Departments c. Production Departments.
Unit-2	Manufacturing Technology 1. Cutting & Cutting Room a. Marker Planning. b. Methods of spreading of fabric c. Cutting the fabric – objectives, methods of cutting fabric and cutting systems.
Unit-3	Sewing Technology a. Sewing - properties, types. b. Stitch - Types. c. Sewing Machines d. Sewing threads - type of fiber, thread size, thread package, thread cuts, thread properties. e. Sewing problems - stitch formations, damage along with seam line, puckering.
Unit-4	1. Alternative methods of joining materials : a. Fusing. b. Welding and adhesive. c. Moulding.
Unit-5	1. Engineering & Quality Control 2. Pressing Technology. 3. Warehousing.

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2. Harold Carr & Barbara Latham - The Technology of Clothing Manufacture .
3. A.J. Chuter - Introduction to Clothing Production Management - Blackwell
4. D.J. Tyles - Materials Management in Clothing Production - Blackwell Science.
5. Harold Carr & Barbara Latham (1992). Fashion Design and Product Development
Blackwell Science.
6. Mike Easey - Fashion Marketing. Blackwell Science.
7. Stylios, G. (1991) : Textiles objective Measurement and Automation in Manufacture,
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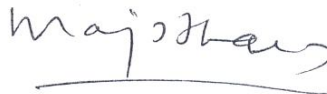
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Class / कक्षा : M.Sc. (Home Science)
 Semester / सेमेस्टर : IV
 Subject / विषय : Clothing and Textiles
 Title of Subject Group : Fashion retailing and Merchandising
 विषय समूह का शीर्षक :
 Paper No. / प्रश्नपत्र क्रमांक : III
 Compulsory / अनिवार्य या Optional / वैकल्पिक अनिवार्य : Compulsory
 Max. Marks अधिकतम अंक : 50
 Particulars / विवरण :

Objectives:

1. To gain experience in hand knitting and machine knitting.
2. To know about Indian knitting Industry.
3. To develop an understanding of the various knitting structure.
4. To understand stitching of knitted garments.

Unit-1	The Dynamics of Fashion Fashion Terminology, Fashion Cycle and Factors affecting fashion.
Unit-2	The Concept of Retailing Definition, Role of retailing in merchandising, retail environment, types of retail stores.
Unit-3	Interpretation for designing a retail store. Store layout & Design Elements of the store environment Allocating space, Circulation Store front design, interior Design, lighting design
Unit-4	Visual Merchandising • Types of Displays - Window displays, interior displays • Elements of Display - The merchandise, the backdrop walls and shelves mannequins and forms, signage lightings - luminance levels,
Unit-5	1. Planning and Budgeting for a Retail Store. 2. Recruitment and Management of Sales Force, Types of compensation packages for sales force, Personal Selling as a means of Promotion.


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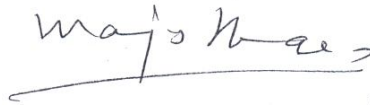
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2. Jarmow, J.A. Judelle, B. and Guerreiro, M. (1981) : Inside the Fashion Business, John Wiley & Sons, NY, Toronto Brisbane.
3. Frings G.S. (1992) Fashion Marketing, Blackwell Science Ltd.
4. Easey, M. (1995) : The Essence of Marketing, Prentice Hall of India, New Delhi.
6. Chuter, A. J. (1995) : Introduction to Clothing Production Management, Backwell Science Ltd.
7. Stone, E and Samples, J.A.(1995) : Fashion Merchandising - An Introduction, McGraw Hill Book Company.





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Class / कक्षा	: M.Sc. (Home Science)
Semester / सेमेस्टर	: IV
Subject / विषय	: Clothing and Textiles
Title of Subject Group	: Textile Industry In India
विषय समूह का शीर्षक	:
Paper No. / प्रश्नपत्र क्रमांक	: IV
Compulsory / अनिवार्य या Optional / वैकल्पिक अनिवार्य	: Optional (A)
Max. Marks अधिकतम अंक	: 50
Particulars / विवरण	

Objectives:

1. To gain experience in hand knitting and machine knitting.
2. To know about Indian knitting Industry.
3. To develop an understanding of the various knitting structure.
4. To understand stitching of knitted garments.

Unit-1	1. Business environment of India a. Concept & scope of textile industry in business environment of India. b. Merit & demerit of textile industry in India. c. Textile industry: - Concept, History, Manufacturing unit & importance of following industry- Knitting, garment & testing industry.
Unit-2	Importance of textile and clothing Industry in the Indian economy in terms of domestic consumption, employment and per capita income, gross national product & international trade
Unit-3	National Textile Policy 1986, 2001 - change in focus over the year in terms of objectives, function ability, regulatory mechanisms and futuristic trends.
Unit-4	Foreign Trade Policy- the mechanism of MFA- history and current status, WTO, implications of a free trade regime vs. protectionist regime.
Unit-5	The textile and clothing industry- in relation to production & consumption pattern, locate, employment potential, R&D, problems and prospects: cotton, wool, silk, rayon & synthetic industry, handloom industry, readymade garment industry and technical textiles.

References:

1. Mishra and Puri, Indian Economy, Himalay Publishing House.
2. National Textile Policy 1986, 2000.
3. Journals- Economic Times, Financial Express & Apparel on line.
4. Industry Published Journals/ newsletters e.g. From SASMIRA, WVEPC, HHEC, etc.
5. Economic Surveys, Govt. Of India.

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Class / कक्षा	: M.Sc. (Home Science)
Semester / सेमेस्टर	: IV
Subject / विषय	: Clothing and Textiles
Title of Subject Group	: Mass Communication
विषय समूह का शीर्षक	:
Paper No. / प्रश्नपत्र क्रमांक	: IV
Compulsory / अनिवार्य या Optional / वैकल्पिक अनिवार्य	: Optional (B)
Max. Marks अधिकतम अंक	: 50
Particulars / विवरण	:

Objectives:

- To understand the importance of communication.
- To develop skill for communication ability.
- Importance of audio visual aids in communication.

Unit-1	<ol style="list-style-type: none"> 1. Concept of communication 2. Elements and process of communication. 3. Functions of communication. 4. Non verbal communication-Sign, Gestures, body movement. 5. Verbal communication-Language and written communication.
Unit-2	<ol style="list-style-type: none"> 1. Types of communication - Intra personal, Inter personal, Group communication and Mass communication. 2. Feed back in communication. 3. Characteristics and method of feed back. 4. Elements of effective communication. <p>Barriers to communication</p>
Unit-3	<ol style="list-style-type: none"> 1. Print Media-Origin, development characteristics of News paper. 2. News agencies-United news of India (UNI). Press Trust of India (PTI) Reuter, tass and etc. 3. magazine-Format. Type and organization. 4. Concept of News, values, sources of News. Structure of News Report. 5. Features article, Editorial.
Unit-4	<ol style="list-style-type: none"> 1. Radio-Origin, development and characteristics of Radio. 2. radio as a mass medium. 3. Radio news, radio features. 4. various types of Interview. 5. Folk Media.
Unit-5	<ol style="list-style-type: none"> 1. Television-origin, develop: nt and characteristics of television. 1. T.V.News. 2. Contribution of T.V. in Social development. 3. Film-Origin, Development of India film. 4. Socio cultural effects of film as mass medium. Censorship, using film for extension.

Majid Khan

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2. C.S. &ayudu - Communication
3. K.M. Shrivastava - Radio and T.V. Journalism
4. M.V. Kamath - Professional Journalism
5. डॉ. ओम प्रकाश सिंह - संचार माध्यमों का प्रभाव
6. डॉ. श्रीकांत सिंह - जनसंचार
7. डॉ. वेदप्रताप वेदिक - पत्रकारिता के विविध आयाम
8. डॉ. हरिभोहन - रेडियो एवं दूरदर्शन पत्रकारिता
9. डॉ. अर्जुन तिवारी - आधुनिक पत्रकारिता

Map Singh

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Clothing and Textile
Semester - IV
Paper - IV
Dissertation (Optional C)

M. Marks : 50

CHAPTER - I

Introduction.

CHAPTER - II

Review of Literature.

CHAPTER - III

Methodology.

CHAPTER - IV

Analysis and discussion.

CHAPTER - V

Conclusion and recommendation.
BIBLIOGRAPHY.

Majsthae

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(M.Sc. in CLOTHING & TEXTILE)

SEMESTER- IV

PRACTICAL I : Dyeing and Printing

Max Marks : 50

Preparation for Dyeing & Printing :

1. Preparation of fabric for dyeing & printing.
2. Preparation of fabric for printing- different fiber groups with Different dyes different styles of printing.
3. Preparation of screen for printing. Printing with blocks and screens on cotton,silk, wool and cotton-wool, cotton- silk and cotton- polyester blends in different style with different dye classes.
4. Direct style
 - Mordant or dyed style,
 - Discharge style
 - Resist style
 - Raised style
 - Transfer printing
 - Finishing the printed goods
5. Report of visit to processing and printing units-cottage & industrial level.

Wajir Kumar

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(M.Sc. in CLOTHING & TEXTILE)

SEMESTER- IV

PRACTICAL II : PATTERN MAKING & GRADING

MAX.MARKS :50

Objective :

- To develop an understanding of a sample pattern using industrial sample room procedure (emphasize in men garments).
- To develop an understanding of the use of design elements in the process of range development.

Practical

1. Developing drafts for Men's garments:
 - Gents shirt - Formal, casual
 - Gents trouser / shorts
2. Introduction to grading
 - Methodology - track or stack method.
 - Procedure for grading blocks to various sizes.
 - Children - bodice block, sleeve block, skirt & short block.
 - Women - bodice block, sleeve block, skirt & short block.
3. Preparation of Portfolio
 - Grading standard size blocks to various sizes.
 - Preparing 2 patterns (trouser / short and shirt) with complete sets of markings
 - Designing and preparing pattern envelope (front and back)
 - Preparing markers for 3 different fabric width and designs (stripes, plaids)
 - Preparing guide sheet.
 - Preparing 3 accompanying pattern promotional items.
4. Development of pattern with variation in
 - One piece dresses
 - Two piece dresses
 - (Incorporating various, collars, sleeves, yokes, necklines, pockets and plackets etc.)

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 2. Pamela C. Stinger, Pattern drafting for dressmaking.
 3. Hillhouse, M.S. and Mansfield, E.A.: Dress Design- Draping and Flat Pattern, London.
 4. Sheldon Maratha Gene- Design through draping, USA Burgers Publishing Company.
 5. Brackman, Helen, L.-Theory of Fashion Design, New York, John Wiley and Sons.
 6. Srtickland, Genuole- A Tailoring Manual- New York, Macmillon Company.
- Pepin Herriet- Modern Pattern Design, New York

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