

RRBM UNIVERSITY, ALWAR

SYLLABUS

M.A./M.Sc. (HOME SCIENCE)

Annual Scheme

Eligibility for (boys and girls both) this course: (B.A(H.Sc) / B.A additional (H.Sc) / B.Sc (H.Sc)

Examination Scheme:

The question paper will have four sections/units. The paper setter will set a total of nine questions comprising one compulsory question 10 short answer types) covering the whole syllabus and two questions from each section/unit. Students will attempt one question from each section/unit and one compulsory question. All questions will carry equal marks...

M.A/MSc.Previous (Annual Scheme)

Clothing and textile

THEORY: Max Marks:100

Min Marks:36

Paper I-Fashion and apparel designing

Paper II-Textiles and Costumes: Historical Perspectives

Paper III-Entrepreneurship and soft skill development

Paper IV-Research Methodology and Statistics

PRACTICALS: Max Marks: 100

Min Marks:36

Practical-1.: 50 marks

Practical-2. 50 marks

2/2/2020

Project work: Max Marks-50

Min Marks-18

Project work in any field/topic of textile

Paper I- Fashion and apparel designing

Teaching Hours: 4 Periods/Week

Maximum Marks: 100

Unit- 1 Designing Basics

1. Elements of arts: Colour, Texture, Line, Form, Space
2. Principles of design: Rhythm, Balance, Proportion, Emphasis, Unity
3. Structural and decorative design
- 4 colour and colour schemes
5. Taking Body measurements for men, women, and children, the study of Indian measurement charts and ready-made garment sizes.
- 6 Principles of cutting and drafting: Fabric preparation for sewing, Preshrinking, Straightening.
7. Pattern layout and cutting: matching stripes, plaids, checks, bidirectional Fabrics and borders.

Unit 2: yarn construction and Care of fabric

1. Spinning - Mechanical and Chemical.

2/10/2020

2. Classification of Yarns, Yarn count, and twist.
3. Basic loom, parts, and operations
4. Weaving - types of weaves.
5. Other fabric construction methods - knitting, braiding, felting, bonding, and knitting
6. Fabric finishing Method - Singeing or grassing, Bleaching, Mercerizing, Slack Mercerizing, shrinking, Tenting, Crabbing, Weighting, calendaring, Schreiner, Embossing, Moiré, Beetling, Napping, Gilling, Shearing.
7. Special Purpose Finish – Water repellency, Waterproofing, flameproofing, Mothproofing, Mildewproofing, Antibacterial finishes, Slip resistance, Heat-reflectant finishes, Foam Laminating, and Fabric Bonding.

Unit - 3 Pattern Making

1. Methods of Pattern making: Drafting, flat pattern, Draping, Purchasing pattern making
2. Understanding the commercial paper pattern, Space sheet
3. Fitting: Definition and tools used in the Fitting room, types of figures, Figure Irregularities, Factors affecting good fit, Common fitting problems, and remedying Fitting defects
4. Study of fashion figures: eight head theory, Different views of the female figure front, Rear, oblique.
5. Use of components and trims: labels, motifs, zips, buttons, lining, interlining, lace, braids, elastics, loops, seam bindings, tapes, shoulder pads, eyelets

Unit -4 The Dynamics of Fashion

- 1 Fashion terminology, sources of fashion, factors affecting fashion, History of Fashion, Fashion Display

28/02/2024

2. Categories of Fashion adopters, the fashion cycle, length of the fashion cycle
3. Theories of fashion, principles of fashion movement
4. Fashion forecasting, Indian Fashion designers, International fashion designers

References

1. Tortora, P.G. Understanding Textiles, Latest Edition, New York, Mac. Millan Pub. Co. Inc.
2. Wynne. A. 1997. Textiles, Mac Muller Education Ltd., London
3. Hall, A.J. Textile Finishing. Heywood Books, 1966. London
4. Hall, A.J. The Standard Handbook of Textiles. Newness-Butter-worths, 1975, London.
5. Hollen, N. and Saddler, J. Textiles. Macmillan Company, 1973. New York.
6. वस्त्र एवं फैशन डॉ. ऋतु गुप्ता , डॉ रश्मि गुप्ता
7. वस्त्र एवं परिधान डॉ रश्मि गुप्ता , डॉ ऋतु गुप्ता

: **Paper-II Textiles and Costumes: Historical Perspectives**

Teaching Hours: 4 Periods/Week
Maximum Marks: 100

Unit - I

1. History of Clothing & Textiles, Introduction, Pre-historic reference, development, adoption of fibrous apparel, and initial manufacture of clothes.
2. Earlier decoration of textiles
3. Types of ornaments used in the beginning Tattooing, mutilation, and other methods of skin decoration.

Unit - II

2/2/2024

Historic approach from the ancient period to the 20th Century

1. Dress in Harappa and Mohan-Jo-Daro.

2. Dress of Aryans.

3. Dress from 600 BC to 320 AD (Buddhist & Jains).

4. Dress from 320 AD to 1100 AD (Brahmin Contest).

5. Dress from 1100 AD to 1730 AD (Islamic Influence).

6. Dress from 1730 AD to 1947 AD (British Period).

Unit – III

Study of regional costumes of Indian states in relation to fabrics, motifs, and related accessories of:

1. Northern (Jammu and Kashmir, Punjab, H.P)

2. Western (Gujarat, Rajasthan) Eastern (Nagaland, Manipur, Meghalaya, Sikkim, West Bengal)

3. Central (Maharashtra, Madhya Pradesh)

4. Southern (Andhra Pradesh, Tamil Nadu, Karnataka, Kerala)

Unit 4

Western Costumes

1• Egyptian costumes

2• Costumes of Ancient Greece

3• Roman costumes

2/2/24

4• French costumes

Reference

1. History of Fashion, Manmeet Sodhia, Kalyani Publishers, New Delhi, 2009
2. Indian Art & Aesthetics: Endeavour In Interpretation, Maruti Nandan Tiwari, Publisher Aryan Books International, New Delhi, 2003.
3. Indian Art, Partha Mitter, Oxford University Press, 2001
4. Suvasas-The beautiful costumes, Vishu Arora, Abhishek Publications, New Delhi, 2008
5. The greenwood encyclopedia of clothing through world history, Jill Condra, Greenwood Press, Westport, USA, 2008
6. Costumes, Textiles, and Jewelry of India, Vandana Bhandari, Popular Prakash books, Mumbai, 2004
7. Costumes and Textiles of Royal India, Ritu Kumar, Antique Collectors' Club, California, 2006
8. Traditional Indian Costumes and Textiles, Dr.Parul Bhatnagar, Abhishek Publication, New Delhi 2004
8. वस्त्र एवं परिधान डॉ रश्मि गुप्ता , डॉ ऋतु गुप्ता

PAPER III Entrepreneurship and Soft Skill Development

Teaching Hours: 4 Periods/Week
Maximum Marks: 100

Unit: 1 Introduction to Entrepreneurship

1. Concept of entrepreneurship: meaning, definition, nature, and characteristics of entrepreneurship. Traits of Entrepreneurship

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2. Phases of Entrepreneurship Development, Introduction to Entrepreneurship Skills , importance and benefits.
3. Entrepreneurship, and Enterprise, Objectives of Entrepreneurship, Role of Entrepreneurship
4. Functions of Entrepreneur, Entrepreneurial process, The Entrepreneurial Mindset.

Unit 2 Entrepreneurship Development Skills

1. Meaning of Entrepreneurship skill, Types of Entrepreneurship Skills
2. Business management skills, Teamwork, and leadership skills, Communication and listening, Customer service skills
3. Financial skills, Analytical and problem-solving skills, Critical thinking skills, Strategic thinking and planning skills, Technical skills
4. Time management and organizational skills, Branding, marketing, and networking skills, How to improve entrepreneurial skills, Entrepreneurial skills in the workplace, Entrepreneurial Imagination, And Creativity
5. Small industries development organization (SIDO), National small industries corporation(NSIC), National Institute of small industry extension training (NISIET), Small industries development bank of India (SIDBI)

Unit 3 Personality Development

1. Introduction to personality, Dimensions of personality, Determinants of personality
Winning personality

2/2/2022

2. Projecting a Positive Social Image, Grooming, Body language, Eye contact, Social etiquette, Manners in conversations, Module on Office Etiquette, Module on Customer Care, Telephone handling Techniques

3. Personality and the Self, Positive self-image and negative self-image, Problems of maladjustment, Building self-esteem, and confidence

Unit 4 Effective Communication

1. Group Discussion: introduction, importance, Preparation for a group discussion, Skills for effective participation, Traits tested in a group discussion, Initiating a group discussion, Non-verbal communication in group discussion, Types of group discussions Ambience/Seating Arrangement for Group Discussion, Difference between Group Discussion, Panel Discussion and Debate, topic-based and Case-based Group Discussion, Individual Traits.

2. Employment Communication: Introduction, Resume, Curriculum Vitae, Scannable Resume, Developing an Impressive Resume, Formats of Resume, Job Application or Cover Letter Professional Presentation, Importance of Resume.

3. Nature of Oral Presentation, Planning a Presentation, Preparing the Presentation, Delivering the Presentation Job Interviews: Introduction, Definition of Interview, Types of Interviews, Preparatory Steps for Job Interviews.

4. Leader and Leadership, Leadership Traits, Team Building, Types of teams,

5. Decision Making and Negotiation: Introduction to Decision Making, Steps for Decision Making, Decision Making Techniques, Negotiation Fundamentals, Negotiation Styles, Major Negotiation.

References

1. "Soft Skills" by Hariharan S and S P Shanmugapriya
2. "Soft Skills: Know Yourself and Know the World" by Alex

2/2/21

3. "Making Work Work for the Highly Sensitive Person" by Beverly Jaeger
4. "Enhancing Soft Skills" by Dipali Biswas
5. "Entrepreneurial Development" by Khanka S S
6. Entrepreneurship and small business management by G.S. Sudha

PAPER IV Research Methodology and Statistics

Teaching Hours: 4 Periods/Week

Maximum Marks: 100

Unit - 1

1. Research- meaning, purpose, and objectives
2. Research designs- Experimental, and Observational surveys
3. Report writing- Definition and identification of research problem, objectives, formation of a hypothesis, null hypothesis.
4. Review of related literature, Methodology, tools to be used, citation formats/ Bibliography.

Unit - 2

1. Sampling techniques and tools-types of sampling.
2. Methods of data collection-questionnaire, interview, case studies, surveys
3. Statistics- Scope and Significance in Home Science discipline Descriptive and inferential statistics, Functions and limitations of statistics

Unit-3

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1. Understanding various statistical techniques-Regression equations and regression lines
2. Inferential Statistics: \bar{y} Level of significance, \bar{y} Standard error, and Confidence limits
3. Statistical Techniques:
 - i) Simple Arithmetic Mean (direct method)
 - ii) Median and Mode
 - iii) Standard deviation (assumed mean method)
 - iv) Characteristics, use, limitations

Unit- 4

1. Correlation & Degree of Freedom:

Correlation - Introduction, definition & Types, Carl Pearson's & Spearman's rank correlation method. Correlation of coefficient – Meaning & use.

2. Degree of Freedom – Introduction, Definition.

- i) X (chi-square) Test for 2x2x2x3 table.
- ii) Application of 't'-test for small samples (below 30 samples)
- iii) 'f' test.
- iv) Analysis of Variance (ANOVA)

References

1. Jain, T. R., Aggarwal, S. C., and Rana, R.K. (2008). Basic Statistics for Economists. V.K. Publications.
2. Gupta, K. R. (2012). Practical Statistics. Atlantic publications

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3. Gupta, S. P. (2009). Statistical Methods. Sultan Chand and sons.
4. Meyer, S,L., Gamst, C, G., and Guarino, A, J. (2014). Performing data analysis using SPSS. Sage publications.
5. Field, A. (2015). Discovering Statistics using IBM SPSS Statistics. Sage publications.

Practical I Clothing Construction

No. of instructional hours: 3 hrs/week

Max Marks-50

1. Pattern Making :

- i) Adult and Child basic bodice and basic sleeve block
- ii) Sleeve variations: Slash and spread method - Puff, Bell, Legomutton, Bishops sleeve
- iii) Sleeve bodice combination sleeves: Magyar, Raglan, Dolman
- iv) Different types of collars: Peterpan, Capecollar, Sailors Collar, Chelsea Collar, Shirt Collar
- v) Different types of yokes

2. Stitching of each Sleeve, Collar, and Yokes on bodice block.

3. Fashion designing (5 each) on a sheet, Baby frock, A-Line Frock, rompers, Sunsuits, Skirts-tops, shirts, shorts.

4. Drafting and stitching of any two of the above children's garments

5. Drafting and stitching of Saree Blouse, Gents Kurta Pyzama

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Practical II Apparel Designing

No. of instructional hours: 3 hrs/week

Max Marks-50

1. Colour Wheel and Colour scheme
2. Introduction to eight head theory and stick-figure 9.5", 10.5"
- 3 Draping of garments on fashion figures (at least 8) Using different color schemes, and Occasions .

2/2/2020