

**COURSE STRUCTURE
&
SYLLABUS**

MASTER DEGREE (ARTS)

IN

HOME SCIENCE

**with effect from
JULY 2018**

**SRIDEV SUMAN UNIVERSITY
BADSHAHITHAUL
TEHRI GARHWAL
UTTARAKHAND**

Manish

(Dr. Anuradha)

Course Structure

The Master of Arts (M.A) in Home Science is two year full-time programme. The course is organized over two years, each year consisting of two semesters. Students enrolled in M.A (Home Science) Programme will have to pass four semester examination comprising of Core and Elective courses. These courses will spread over four semesters. Semester first and semester third will consist of four paper with 16 credits each semester course. Semester second and semester fourth will consist five papers with 20 credits each semester course. Therefore students have to cover a total of 72 credits (64 core credits and 8 electives credits) in core and elective courses. The course breakup for all the four semesters is as follows:

Semester-I: 4 (Four) Core (Compulsory) courses

Semester-II: 5 (Five) Core (Compulsory) courses

Semester-III: 3 (Three) Core (Compulsory) courses

& (1)one Elective* (optional course)

**Student will have to elect any one elective course from the list of elective*

Courses assigned for third semester.

Semester-IV: 4 (Four) (Compulsory courses)

& 01 (one) Elective* (Optional courses)

**Student will have to elect any one elective courses from the list of elective*

courses assigned for fourth semester.

Examination structure

Apart from Project Report and practical all the other courses in each semester will have two basis for evaluation of students; firstly, End-term theory examination which will be of 80 marks, secondly, one internal sessional assessment test of the

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students which will be of 20 marks. The evaluation will be made on three following basis:

1. End-term examination: The end-term exams will be conducted at the end of every semester and will carry 80 marks. The distribution of the questions for each course in each end-term exam will eight long answer questions i.e, two from each unit (student will have to attempt one question from each units thus four questions overall). Each question will have to be answered in about 500 words.

Marks distribution 4 (question) \times 20 (marks) = 80 marks

2. Internal sessional assessment

One internal sessional assessments tests will be conducted by the department and will comprise of 20 marks . The internal sessional assessments tests will generally be conducted before the end-term examination. The internal evaluation will be based on classroom attendance, participation in class-room seminars and written tests.

Note: Students will have to attain passing marks (51per cent) in both end-term examination and internal sessional assessment.

3. Practical Examination :

End term practical exam will be conducted by external examiner appointed by competent authority of the university. Out of 100 marks, 80 marks practical exam will be evaluated jointly by internal and external examiner and 20 marks practical related assignment allotted during the semester will be evaluated by internal examiner.

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Project Report

The project report is a elective course and any student can opt the course. The project is to be allotted in the beginning of fourth Semester and would be submitted during the examination of the Fourth Semester. Performance of student in Project report will be evaluated on the following basis:

- (a) Project report 60 Marks
- (b) Viva-voce & Presentation 40 Marks

Total: 100 Marks

Note: Periodical presentation will be assessed by internal examiner but the Field Study Project Report / Dissertation and vive-voce will be assessed jointly by internal and external examiner.

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COURSE OUT LINE

FIRST SEMESTER

First Semester	Name of Course	Course Number	Credits	Marks
(July to December)	Theories of Human Development	HSC/C101	04	100
	Home Management	HSC/C102	04	100
	Extension Education and Community Development	HSC/C103	04	100
	Research Methodology in Home Science	HSC/C104	04	100
		Core Credits	16	400

SECOND SEMESTER

Second Semester	Name of Course	Course Number	Credits	Marks
(January to June)	Food and Nutrition	HSC/C201	04	100
	Clothing and Textile	HSC/C 202	04	100
	Life Span Development	HSC/C203	04	100
	Statistics	HSC/C204	04	100
	Practical	HSC/C205	04	100
		Core Credits	20	500

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THIRD SEMESTER

Third Semester (July to December)	Name of Course	Course Number	Credits	Marks
	Early Childhood Education	HSC/C/301	04	100
	Community Nutrition	HSC/ C/302	04	100
	Consumer Education	HSC/C/303	04	100
	Electives (Any one of the following):			
	Traditional Indian Embroidery and Textiles	HSC/E/ 304 (a)	04	100
	Rural Sociology	HSC/ E/304 (b)	04	100
	Child Welfare in India	HSC/E/304 (C)	04	100
	Core Credits (12)+Elective Credits (04)	Total Credits	16	400

FOURTH SEMESTER

Fourth Semester (January to June)	Name of Course	Course Number	Credits	Marks
	Food Safety and Preservation	HSC/C/401	04	100
	Fabric Construction	HSC/C/402	04	100
	Family Housing and Interior Decoration	HSC/C/403	04	100
	Practical	HSC/C/404	04	100
	Electives (Any one of the following):			
	Psychological Testing and Measurement	HSC/E/405 (a)	04	100
	Dyeing and Printing	HSC/E/405 (b)	04	100
	Project Work	HSC/E/405 (c)	04	100
	Core Credits (12)+Elective Credits (4)	Total Credits	20	500

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FIRST SEMESTER (CORE PAPER)
THEORIES OF HUMAN DEVELOPMENT

Course Title: **Theories of Human Development**

Course code: HSC/ (C)/ 101

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I:

Maslow's self-actualization theory
Freud's psychosexual or psychoanalytic theory
Erikson's psychosocial theory

Unit II:

Skinner's theory of Operant or instrumental conditioning
Pavlov's theory of classical conditioning
Thorndike's Trial and Error Learning

Unit III:

Kohlberg's six stages of moral reasoning

Unit IV:

Piaget's cognitive development theory

References:

1. Morgan, King et al (1999): "Introduction to Psychology", Tata Mc Graw-Hill Edition, Delhi, India
2. Hurlock E (2000): "Child Development". Tata Mc Graw-Hill Edition, Delhi, India
3. Bal Vikas evam Bal Manovigyan, Brinda Singh, Panchseel Prakashan, Jaipur

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FIRST SEMESTER (CORE PAPER)

HOME MANAGEMENT

Course Title: Home Management

Course code: HSC (C) / 102

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit 1

Meaning, basic concept, misconceptions and obstacles of home management. Components of home management- values, goals and standards. Standards – Concept, classification of standards. Interrelatedness of values, goals and standards

Unit 2

Management process: Planning, organizing, leading, controlling and evaluating

Decision making: Concept, steps, factors affecting, kind

Resources: Meaning and definition, role, characteristics, classification

Unit 3

Time Management: Tools – peak loads, work curves, rest periods and work simplification

Energy Management: Classification of efforts used in home making, fatigue – types and causes

Work simplification: Techniques – pathway chart, operation chart, micro-motion film analysis and path process chart

Unit 4

Money Management: Budgeting – Definition, importance and steps in planning a budget

Account keeping – importance, types of account systems, methods of handling money, family financial records

References:

Sonia Batra and Preeti Mehra: An Introduction to Family Resource Management. Premavathy Seetharaman, CBS Publishers and Distributors.

Gross Crandall: Management for Modern Families: Wiley Eastern Ltd. New Delhi.

Bharthi V.V.: Family Resource Management – University Book House, Jaipur.

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FIRST SEMESTER (CORE PAPER)

EXTENSION EDUCATION AND COMMUNITY DEVELOPMENT

Course Title: **Extension Education and Community Development**

Course code: HSC/ (C) / 103

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I: Scope of Home Science

Need, importance, contribution in different fields of development. Home Science Extension Education-Definition, Meaning, Scope, Objectives, Need, Importance, Philosophy, Principles, Concept, Role in Women's Welfare programmes.

Unit II : Extension Management

Teaching Methods-Introduction, Classification of extension teaching methods: A Direct Contact, Demonstration, handling and use of audio visual aids, conducting meetings, conferences and tours, arranging exhibitions.

Unit III: Agencies

Agencies associated with extension education for rural development.

Unit IV :Community Development

Definition, meaning, chief element, principle, objectives, philosophy, types, process, scope of community development programmes in India.

References

1. Griha Vigyan Prasar Shiksha, Manju Patney and U.S Thakur, Shiva Prakashan Indore
2. Communication for Development in the Third World Theory and Practices (1991) . Sage Publication, New Delhi.
3. Chaubey BK (1990) A Handbook of Education Extension, Jyoti Publication, Allahabad.
4. Singh , R. (1987)Text Book of Extension Sahitya Kala Prakashan , Ludhiana
5. Extension Education in Community (1961) Ministry of Food and Agriculture, Government of India, New Delhi
6. Extension Programme Planning, Oxford and IBH Publishing Company Pvt. Ltd. New Delhi

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FIRST SEMESTER (CORE PAPER)

RESEARCH METHODOLOGY IN HOME SCIENCE

Course Title **Research Methodology in Home Science**

Course code: HSC/ (C)/ 104

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit-1:

Methods of acquiring knowledge, Research: Meaning, Objectives, Importance and Types; Research process.

Unit-2:

Research problem: Definition and identification of research problem. Research Design – Definition, types, basic principles and purpose of research design. Sampling design and Sampling Methods.

Unit-3:

Methods for collection of Primary Data; Sources of Secondary Data; Drafting of Questionnaires and Schedules; Measurement and Scaling.

Unit-4:

Hypothesis: Meaning, Formulation and testing. Data processing, interpretation and report writing.

References

Business Research Methods, Donald R Cooper, McGraw Hill, New Delhi
Research Methodology, Cauvery.R, Sudhanayak U.K, Girija.M and Meenakshi.R, S.Chand & Company Ltd, New Delhi.

Research Methodology: A Guide for Researchers in Management and Social Sciences, Bill Taylor, Gautam Sinha, Taposh Ghoshal, Prentice-Hall of India Private Limited, New Delhi

Research Methodology: Methods and Techniques, C.R. Kothari, New Age International, New Delhi

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SECOND SEMESTER (CORE PAPER)

FOOD AND NUTRITION

Course Title: **Food and Nutrition**

Course code: HSC/ (C) / 201

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit-1

Dietary nutrients in foods: Types, functions, requirements and sources, digestion, absorption and utilization of nutrients. Energy requirements and B.M.R.

Unit -2

Nutrition during different life cycles: Pregnancy, lactation, Infancy, pre -school old age etc.

Unit -3

National Nutrition Policy and Supplementary feeding Programmes: National and international agencies in the field of nutrition.

Therapeutic nutrition: Definition, importance and scope, adaption of normal diet for therapeutic purposes (soft diet, full fluid diet, bland diet etc.)

Unit -4

Etiology, causative factors, preventive measures and planning of diets in febrile conditions (acute fever, typhoid, tuberculosis), gastro-intestinal disorders (diarrhea, constipation, peptic ulcers), kidney diseases (acute and chronic nephritis), diabetes, mellitus, cardio-vascular diseases (hypertension, coronary heart diseases)

References

1. Cherley H (1982) Food Science (2nd edition), John Wiley & sons New York
2. Gopalan C (1993) Recent Trends in Nutrition , Oxford University Press
3. Swaminathan M Essentials of foods and nutrition Vol 1 & 11: Ganesh and Co., Madras.
4. Sethi M. Malhan S (1993): Catering management: An integrated approach. Wiley eastern, New Delhi
5. Amerine M A, Pangborn R M, Reiser E B (1965): Principles of sensory evaluation of foods, Academic press, New York
6. Srilakshmi B, Nutrition science New Age International (P) Limited, Publishers, New Delhi

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SECOND SEMESTER (CORE PAPER)

CLOTHING AND TEXTILE

Course Title: **Clothing and Textile**

Course code: HSC/ (C) / 202

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit -1

Introduction, terminology and classification of textile fibers.

Manufacture and properties of natural fibers: Cotton, flax, jute, hemp, silk, wool and asbestos.

Unit -2

Manufacture and properties of man made fibers: Rayon, acetate, nylon and polyester.

Unit -3

Yarn construction and classification

Unit -4

Stain removal of fabrics

References:

1. Vastra evam Paridhan, Shashi Prabha Jain and Archana Jain, Shiva Prakashan, Indore
2. Parivarik Paridhan Vyavastha, Manju Patni and Sapna Henry, Star Publications
3. Vastra Vigyan ke Mool Sidhanth, G.P. Sherry, Vinod Pustak Mandir
4. Griha Vigyan Vishwakoshi, Rama Sharma and M.K. Mishra, Arjun Publishing House

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**SECOND SEMESTER (CORE PAPER)
LIFE SPAN DEVELOPMENT**

Course Title: **Life Span Development**

Course code: HSC/ (C) / 203

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I: Early Adulthood

Characteristics; Sub-stages; Developmental Tasks

Problems: Adjustments, Interests, Vocational, Marital life and adjustments, Divorce, Re-marriage, Unmarried life/singlehood

Unit II: Middle Adulthood

Characteristics; Subdivisions; Developmental Tasks

Problems: Some common problems unique to old age; Physical changes, Health, Changes in interests, Vocational, Changing family pattern, Family adjustments, Loss of spouse

Unit III: Late Adulthood

Physical aspect of aging, Change in personality-social, emotional, cognitive abilities and intellectual aspect.

Unit IV: Old Age

Characteristics; Subdivisions; Developmental Tasks

Types of Changes during ageing: Physical, Sensory, Sexual, Health, Changes in motor abilities, Changes in mental abilities and cognitive capacities, Changes in interests, Retirement, Loss of spouse;

Vocational and Family life hazards of old age; Consequences of ageing

References:

Vikasatmak Manovigyan, Rajendra Prasad Singh, Jitendra Kumar Upadhyay, Rajendra Singh; Motilal Banarsidas, New Delhi.

Baal Vikasevam Baal Manovigyan, Vrinda Singh, Panchsheel Prakashan, Jaipur

Hurlock B Elizabeth (1981), Developmental Psychology – A Life Span Approach, Tata Mc Graw Hill

Hurlock B Elizabeth (1978), Child Growth and Development, Tata Mc Graw Hill

Hurlock B Elizabeth (1997), Child Development, Tata Mc Graw Hill

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SECOND SEMESTER (CORE PAPER)

STATISTICE IN HOME SCIENCE

Course Title: **Statistics in Home Science**

Course code: HSC/ (C) / 204

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I

Meaning and uses of statistics, classification and tabulation of data Construction of frequency distribution table

Unit II

Diagrammatic representation of data – single dimensional diagrams (line and bar), two dimensional diagrams (pic)

Graphical representation of data – graphs of frequency distribution (histogram, frequency polygon, frequency curve)

Unit III

Measures of central tendency – mean, median, mode Measures of dispersion – standard deviation

Unit IV

Analysis of data, Writing a research report

References

Gupta, S.C. (1993), Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi.

Handry, A.T. (1999), Operations Research, Prentice Hall of India, New Delhi.

Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book Co., London.

Taha, H.A. (1997), Operations Research : An Introduction (6th Edition), Prentice Hall of India Pvt. Ltd., New Delhi.

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SECOND SEMESTER (CORE PAPER)

PRACTICAL

Course Title: **Practical**

Course code: HSC/ (C) / 205

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Practical Exam : 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

I Practical Related to Food and Nutrition

1. Preparation of meal planning for different age, conditions and socio economic groups
2. Preparation of meal planning for different diseases: typhoid, tuberculosis, peptic ulcers, diabetes, mellitus, cardio-vascular diseases (hypertension, coronary heart diseases)

II Practical Related to Clothing and Textile

1. Identification of fibers-visual inspection, burning, microscopic and solubility test
2. Identification of different types yarns
3. Stain removal

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**THIRD SEMESTER (CORE PAPER)
EARLY CHILDHOOD EDUCATION**

Course Title: **Early Childhood Education**

Course code: HSC/ (C) / 301

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I: Historical perspective of early childhood education

Contribution of various thinkers (their ideology, applications and limitations)

Western: John Amos Comenius, Johann Heinrich Pestalozzi, John Locke, Friedrich Wilhelm Froebel, Jean Jacques Rousseau, Maria Montessori

Indian: Rabindranath Tagore (1861–1941), Gijubhai Badeka, M.K Gandhi, Tarabai Modak

Unit II: Principles of Early Childhood Education

Objectives: Need and significance; Basic Principles; The Playway Method; Early Childhood education services in India - Government Sector – ICDS, NIPCCD, NCERT etc; Voluntary Sector – ICCW, Balwadi, Mobile Creche's, ECCE centers etc.; Private Sector (Nursery, Pre-Primary etc)

Unit III: Early Childhood Years (3 – 6 Years)

Children in the Early Childhood Years – Developmental Characteristics; Developmental needs; Interests; Significance of First Five Years of Life

Unit IV: Play

Concept of Play; Play and Learning; Role of play in development; Play as a means of understanding children's development; Different types of play among preschool children (unoccupied behaviour, onlooker, solitary independent play, parallel activity, associative play, cooperative or organized supplementary play)

References:

NCERT (1991), A Guide for Nursery School Teachers, NCERT, New Delhi

Seth Kanta, Ahuja Kavita (1996), Minimum Specifications for Pre-Schools, NCERT, New Delhi

Kohn Ruth (2003), The Exploring Child – A Handbook for Pre-Primary Teachers, Orient Longman, Delhi

Chowdhury D Paul (1995), Child Welfare/Development, Atma Ram & Sons, Delhi

Certificate Course in Organizing Child Care Services, IGNOU, (Block 1 to 6)

Grewal J S (1998), Early Childhood Education – Foundations and Practice, Har Prasad Bhargava, Agra

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THIRD SEMESTER (CORE PAPER)

COMMUNITY NUTRITION

Course Title: **Community Nutrition**

Course code: HSC/ (C) / 302

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit-I

Prevalence, etiology, biochemical and clinical manifestation and preventive measures for: Protein Calories Malnutrition- Kwashiorkar and Marasmus

Unit II:

Prevalence, etiology, biochemical and clinical manifestation and preventive measures for: Iron deficiency, Iodine deficiency; Fluorine Deficiency and Toxicity

Unit III:

Prevalence, etiology, biochemical and clinical manifestation and preventive measures for Vitamin A deficiency; Beri-beri, Pellagra; Scurvy; Rickets, Osteomalacia and Osteoporosis

Unit IV:

Nutritional assessment and surveillance – Meaning, need, objectives and importance

Anthropometry – Need, importance, types, standards for reference

Biochemical methods – Biophysical or Radiological assessment, functional assessment, laboratory and biochemical assessment

Clinical assessment – Need, importance, identifying signs of deficiency diseases Diet surveys – Need, importance, methods

References:

Joshi S A (1992) Nutrition & Dietetics: Tata Mc Graw Hill Publication, New Delhi

Sabherwal B. Meal Management, University Book House, Jaipur.

Gopalan C. (eds.) (1993) Recent Trends in Nutrition, Oxford University Press.

International Child Health: A Digest of Current Information..

Jelliffe DE and Jelliffe EFP (1989). Community Nutritional Assessment, Oxford University Press.

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THIRD SEMESTER (CORE PAPER)

CONSUMER EDUCATION

Course Title: **Consumer Education**

Course code: HSC/ (C)/ 303

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I

Consumer – definition, meaning, characteristics and types

Consumer behavior – meaning, factors influencing, consumer and sales techniques

Steps in decision-making by the consumer

Unit 2:

Rights and responsibilities of the consumer Problems of the Indian consumer

Consumer protection – meaning, definition, need, measures.

Unit 3:

Consumer and Law Consumer welfare

Consumer protection services.

Unit 4:

Introduction to tax and their kinds Main taxes in India

Income tax – meaning, characteristics, definition and importance.

References:

Upbhokta Arthshashtra, Karuna Sharma, Manju Patni and Deepak Agarwal, ShivaPrakashan Indore

Parivarik Vit evam Upbhokta Shiksha, Karuna Sharma, Sandhya Sharma and Deepak Agarwal, Shiva Prakashan Indore

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THIRD SEMESTER (ELECTIVE PAPER)

TRADITIONAL INDIAN EMBROIDERY AND TEXTILES

Course Title: **Traditional Indian Embroidery and Textiles**

Course code: HSC/ (E) / 304 (a)

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I

Historical background of traditional Indian embroidery:

General embroidery techniques; Hand embroidery–knowledge of basic hand embroidery stitches

Unit II

Study of traditional embroideries of India: Texture, design and colour

Chikankari of Uttar Pradesh, Kantha of Bengal, Kasuti of Karnataka, Kutch Kathiawar of Gujarat, Phulkari of Punjab, Sindhi embroidery

Unit III

Traditional Textiles of India: Texture, design and colour

Woven (in design) – Patola, brocade, chanderi, paithani, pochampalli, ikat, maheshwari Printed woven fabric – dacca muslin, tassar, kota doris

Printed – Sanganeri, kharhi print of Gujarat Painted – kalamkari, madhubani

Resist dyed – bandhej of Gujarat and Rajasthan

Unit IV

Khadi: Significance – National and economic; Revolution in Khadi

Handloom: Definition, role in national economy and some chief handloom clothes of India

References

Parivarik Paridhan Vyavastha – Sapna Henry and Manju Patni, Star Publications

Vastra evam Paridhan – Shashiprabha Jain and Archana Jain, Shiva Prakashan, Indore

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THIRD SEMESTER (ELECTIVE PAPER)

RURAL SOCIOLOGY

Course Title: **Rural Sociology**

Course code: HSC/ (E)/ 304 (b)

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I:

Rural sociology: Meaning, definition, need to study, scope and importance Difference between rural and urban society

Unit II:

Characteristics of rural life Caste system in rural society

Unit III:

Physical structure of rural society Social organization of rural society

Unit IV:

Rural leadership – meaning, principles of leadership, types of leaders, qualities of leader, selection of rural leader

References:

1. दसा ए आर भारतीय सामाजिक संस्थासु त्वपजमतेपजले तदवा भवनेमए अपघनतए
2. Doshi S. L. Rural Sociology, University Book House, Jaipur.
3. Ahuja Ram Social Problems in India University Book House, Jaipur.
4. Aggrwal G. K. xteh.k lekt 'kl= 1 vxjk 1 kfgR; Hou
5. प सार शिक्षा, हरप सली, स्तर पलिकषस, आगरा
6. प सार शिक्षा एः समवायेक शिक्षासु पदनी एः तकर, शिक्षा पकाष्ण, इन्दार

Sharma



THIRD SEMESTER (ELECTIVE PAPER)

CHILD WELFARE IN INDIA

Course Title: **Child Welfare in India**

Course code: HSC/ (E) / 304 (c)

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I: Child Welfare in India

Concept and historical perspective, Need and relevance Historical evolution of Child welfare
Rights of children; Protection of Child rights; Convention on the rights of the child Child in the
Constitution of India

Unit II: Profile of child in India

Demographic: Total population, Child population, Sex ratio, Infant Mortality Rate (IMR),
Literacy, School enrolment rate

Unit III: Children at Risk

Children in especially difficult circumstances, Children in emergency situation, Disabled child,
Destitute child, Street child, Delinquent child, Working child
Social problems related to children – female foeticide (pre-birth and pre-conception elimination),
juvenile delinquency, child labour, child abuse and child marriage, discrimination against girl
child

Unit IV: Policies, Legislations and programmes for Child Welfare

National Children's Board, National Policy for the Child, National Children's Fund, Child
Labor Cell, Child Labour Act, PC-PNDT Act, Child Marriage Act, The Children's Act, Juvenile
Justice Act, Right to Education Act

International, national and local agencies – governmental and non-governmental (UNICEF,
ICCW, Mobile Creches, Bal Bhwan)

Welfare programs – ICDS, Mid-day Meal Programme, Universal Immunization Programme, etc

References:

Baig, T.A. (1979): Our Children. New Delhi: Ministry of Information and Broadcasting, Govt. of
India

Chowdhry, D.P. (1980): Child Welfare and Development. Delhi: Atma Ram

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FOURTH SEMESTER (CORE PAPER)
FOOD SAFETY AND PRESERVATION

Course Title: **Food Safety and Preservation**

Course code: HSC/ (C) / 401

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit 1

Food sanitation and hygiene Food borne diseases

Unit 2

Food Adulteration and Consumer Protection Food laws and standards

Unit 3

Causes of food spoilage

Food preservation – Principles and methods Home scale methods of food preservation

Unit -4

Fortification of foods with vitamins and minerals.

Novel and processed supplementary foods. Enzymes in food processing

References:

1. Fundamentals of Foods and Nutrition, S.R. Mudambi and M.V. Rajagopal, New Age International (P) Ltd. Publishers
2. A Textbook of Foods, Nutrition and Dietetics, M.R. Begum, Sterling Publishers Pvt. Ltd.
3. Cherley H (1982). Food Science (2nd edition), John Wiley & Sons, New York

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FOURTH SEMESTER (CORE PAPER)

FABRIC CONSTRUCTION

Course Title: **Fabric Construction**

Course code: HSC/ (C) / 402

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I

Yarn construction – mechanical and chemical spinning; Different stages of yarn construction; Types of yarn – simple, textured and spun; simple – simple, ply, cord; novelty; ply, cable, double and novelty; yarn numbering and yarn twist

Blends – meaning, types, process and reasons for blending, difference between blends and mixed

Unit II

Methods of fabric construction: from solutions – film method, foam method, felting, non-woven method, from yarn – braiding, knitting, lace method and weaving

Non-woven fabrics – meaning, types, methods and uses Felting – meaning, types and process

Unit III

Knitting technology: Definition, classification, material and equipments; Methods of knitting – weft knitting and warp knitting; Uses and disadvantages of knitted fabrics

Unit IV

Weaving technology: Definition, main operations; Characteristics of woven fabrics; Selvedge – types; Types of weaves

Loom – Parts of loom; Classification and types of loom; Motions of the loom

References:

Vastra Rachna evam Chappai Takneek, Jain and Gupta, Shiva Prakashan, Indore

Vastra Vigyan evam Paridhan Parichay, Patni, Agarwal evam Gupta, Shiva Prakashan, Indore
Vastra Vigyan ke Siddhanth, Reena Khanuja, Agarwal Publications

Vastra Vigyan evam paridhan vyavastha – Manju Patni, Star Publications

Calcutta



FOURTH SEMESTER (CORE PAPER)

FAMILY HOUSING AND INTERIOR DECORATION

Course Title: **Family Housing and Interior Decoration**

Course code: HSC/ (C) / 403

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I Family Housing

Needs and importance, different aspects - protective, economic, affectional and social aspects of family housing.

Unit II House Planning

Selection of site, factors affecting house planning- orientation, room organization, space requirements for various activities. House Plans for different income groups

Unit III Housing Finance and Construction

House Owning and Renting- advantages and disadvantages Factors influencing cost-of a house
Financing agency- L.I.C., Banks, Housing Board, Cooperative Housing Societies Building Materials used in construction and finishing.

Unit IV Design

Importance of good taste: Type of Design-Structural and decorative. Aims in Design- beauty, functionalism, expressiveness. Elements of Design- line, form, texture space, pattern, light.
Colour-importance, classification of colour according to prang colour theory.
Dimensions of Colour- hue, value intensity Types of colour scheme
Principles of design- harmony, balance, proportion, rhythm, emphasis

References:

Deshpande, R.S. (1943): Build your own Home, 6th Ed. United Book Corporation, Poona.

Anna H. Rutt: Home Furnishing, John Wiley Eastern Private Ltd. N. Y.

Gross Crandall: Management for Modern Families : Wiley Eastern Ltd. New Delhi.

खंडोबाजी खंडोबाजी इत्यादी वृत्तिका इत्यादी
University Book House, Jaipur.

खंडोबाजी खंडोबाजी इत्यादी वृत्तिका इत्यादी
K.J. Chavhan & University Book House, Jaipur

Bharthi V.V.: Family Resource Management – University Book House, Jaipur.

खंडोबाजी खंडोबाजी इत्यादी वृत्तिका इत्यादी
खंडोबाजी खंडोबाजी इत्यादी वृत्तिका इत्यादी

Chavhan



FOURTH SEMESTER (CORE PAPER)

PRACTICAL

Course Title: **Practical**

Course code: HSC/ (C) / 404

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Practical Exam : 80 Marks

(b) Sessional Assessment: 20 Marks

I Practical Related to Food Safety and Preservation

Home scale food preservation – preparing jam, pickle, chutney, sauce, syrup etc

Study of food label of processed foods available in the market

II Practical Related to Fabric Construction

Drafting and lifting plan of different weaves on graph paper and glaze paper

Visit to a cloth weaving unit and report writing

Hand knitting samples/articles

Practical



**FOURTH SEMESTER (ELECTIVE PAPER)
PSYCHOLOGICAL TESTING AND MEASUREMENT**

Course Title **Psychological Testing and Measurement**

Course code: HSC/ (E) / 405 (a)

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I

Introduction to psychological testing: Need, meaning, objectives, uses and design Difference between testing and measurement

Criteria of a good psychological test; reliability, validity and standardization

Unit II:

Measurement of intelligence and creativity

Intelligence: Meaning, types of intelligence tests; some standardized intelligence tests

Creativity: Meaning, some standardized tests of creativity

Unit III:

Measurement of aptitude and attitude Aptitude: Meaning, types of aptitude tests Attitude:

Meaning, attitude scales

Unit IV:

Assessment of personality Behavioural methods of personality assessment Personality inventories Projective techniques

References:

Adhunik Manovaijyanik Parikshan evam Maapan, Mahesh Bhargava, H.P. Bhargava Book House, Agra

Psychological Testing, Urbina Anastasi

Anastasi



FOURTH SEMESTER (ELECTIVE PAPER)

DYING AND PRINTING

Course Title: **Dyeing and Printing**

Course code: HSC/ (E) / 404 (b)

Credits: 4 (Four)

Maximum Marks: 100

(a) End-semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks

Duration of End-semester Examination: 2 Hours

Syllabus

Unit I:

Dyes – Definition and classification of dyes ,Different types of dyes: Natural dyes – Vegetable, animal and mineral; Synthetic dyes – direct, acid, basic, reactive, vat, sulphur, mordant, disperse, pigments. Suitability of various dyes to different fibres

Unit II:

Dyeing methods at different stages of processing – fibre, yarn, piece, union and cross Colour fastness characteristics – washing, sunlight, crocking, and perspiration Domestic methods of dyeing

Unit III:

Printing – Significance, methods – block, stencil, screen, roller Faults in printing
Advantages and disadvantages of different printing methods

Unit IV:

Preparation of printing paste, use of various ingredients and thickeners Preparation of cloth for printing

After-treatment of printed goods

Printing of cellulosic fabric with pigments, azoic, direct, vat and reactive dyes Printing of wool and silk with acid and reactive dyes

References:

Vastra Rachna evam Chappai Takneek, Jain and Gupta, Shiva Prakashan, Indore

Chauhan



FOURTH SEMESTER (ELECTIVE PAPER)

PROJECT/ DISSERTATION

Course Title: Project /Dissertation

Course code: **SOS/ECO (E) / 404(C)**

Credits: 3 (Three)

Maximum Marks: 100

Note: Any student can elect the Project/ Dissertation as an elective paper. Student can select any relevant issues/ problems related to different fields of Home Science. The study will largely based on the collection of primary/ secondary data and observation. Project /Dissertation will carried by the student under the supervision of Student advisor (teacher of department). At the end of the study the student have to submit a study Report to the department.

Method of Evaluation:

Performance of student in project work will be evaluated on the following three basis:

(a) Project Report (By external and internal experts)	60 Marks
(b) Viva-voce (By external expert)	20 Marks
(c) Periodical presentation (by supervisor-internal expert)	20 Marks
Total:	100 Marks

Note: Name of the external expert will be decided by the University.

Sharma

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