

**CHAMAN LAL MAHAVIDHYALAYA, LANDHAURA,
MANGLAUR ROAD, HARIDWAR.(AUTONOMOUS)**

AFFILIATED

SRI DEV SUMAN UTTARAKHAND UNIVERSITY, BADSHAHITHAUL, TEHRI GARHWAL,UTTARAKHAND



**NATIONAL EDUCATION POLICY-2020
STRUCTURE OF
PG – SYLLABUS
2024-2025**

Dubta

Rachana Mishra.

Sharma

Anjali Choudhary.

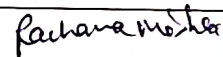
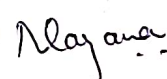
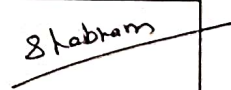
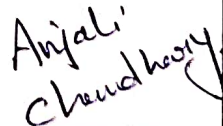
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List of Members of Board of Studies

Sl.No.	Name of the Members	Designation	Nominated as	Signature
1.	Dr. Neetu Gupta	Assistant professor	Convenor	
2.	Mrs. Rachana Mishra	Assistant professor	Expert	
3.	Dr. Nayana Sharma	Assistant professor	Expert	
4.	Dr. Anamika Chauhan	Assistant professor	Member	
5.	Dr. Shabnam	Assistant professor	Member	
6.	Km. Anjali Chaudhary	Student Alumani	Member	

COURSE STRUCTURE

The Master of Arts (M.A.) in Home Science is full time course of Two Years. Each Year will have Two semester. Students Enrolled in M.A. Home Science Course will have to pass four semester Examination comprising of Core and Elective Courses. Each Semester will have four Theories and one practical paper. The Course break up for all the four semesters is as follows:

SEMESTER I: 4 CORE THEORY PAPER AND 1 PRACTICAL. ALL COMPULSORY.

SEMESTER II: 4 CORE THEORY PAPER AND 1 PRACTICAL. ALL COMPULSORY.

SEMESTER III: 3 CORE THEORY PAPER AND 1 PRACTICAL, and 1 ELECTIVE*
(Optional course)

- Student will have to elect any one elective course from the list of elective courses assigned for Third Semester.

SEMESTER IV: 3 CORE THEORY PAPER AND 1 PRACTICAL, and 1 ELECTIVE*
(Optional course)

- Student will have to elect any one elective course from the list of elective course assigned for Fourth Semester.

EXAMINATION STRUCTURE:

Apart from Project Report/Dissertation and Practical, all the other courses in each semester will be evaluated on the basis of Sessional and End Term Examination. Firstly End Term Examination will be of 80 Marks. Secondly, one internal sessional assessment of the students which will be of 20 marks.

The evaluation will be made on three following basis.

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 be as Short Answer Type Questions and Long Answer Type Questions. There will be 7 short answer type questions out of which student will be asked to answer any four question. Each short answer type questions will carry 5 Marks. (5x4=20) marks.

Same way there will be 7 Long Answer Type Questions, out of which student will be asked to answer any four question. Each Long answer type questions will carry 15 Marks. (15x4=60) marks.

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Internal sessional assessment:

One internal sessional assessments tests will be conducted by the department and will comprise of 20 marks. The internal sessional assessment 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 (40 per cent) in both end-term examination and internal sessional assessment.

1. Practical Examination:

End term practical exam will be conducted by external examiner appointed by competent authority of the university. Out of 50 marks, 30 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.

Project Report/ Dissertation

The project report/Dissertation is an 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/Dissertation 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.

COURSE OUT LINE FIRST SEMESTER

First Semester	Name of Course	Course Number	Marks
(July to December)	Theories of Human Development	HSC/C 101	100
	Adv. Food Science	HSC/C 102	100
	Extension Education and community Development	HSC/C 103	100
	Research Methodology in Home Science	HSC/C 104	100
	Practical		50

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SECOND SEMESTER

Second Semester (January to June)	Name of Course	Course Number	Marks
	Food and Nutrition	HSC/C 201	100
	Apparel Designing	HSC/C 202	100
	Life Span Development	HSC/C 203	100
	Statistics	HSC/C 204	100
	Practical		50
		Total Marks	450

THIRD SEMESTER

Third Semester (July to December)	Name of Course	Course Number	marks
	Community Nutrition	HSC/C/301	100
	Traditional Indian Embroidery and Textiles	HSC/C/302	100
	Family housing and interior Decoration	HSC/C/303	100
	Practical		50
	Electives (Any one of the following):		100
	Consumer Education	HSC/E/304 (a)	
	Guidance and Counseling	HSC/E/304 (b)	
	Early Childhood education	HSC/E/304(C)	
		Total Marks	450

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FOURTH SEMESTER

Fourth Semester (January to June)	Name of Course	Course Number	Marks
	Food safety and preservation	HSC/C/401	100
	Dyeing and printing	HSC/C/402	100
	Children with Special Needs	HSC/C/403	100
	Practical		50
	Electives (Any one of the following)		100
	Psychological Testing and Measurement	HSC/E/404 (a)	
	Rural Sociology	HSC/E/404 (b)	
	Project Work	HSC/E/404 (C)	
		Total Marks	450

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**FIRST SEMESTER (CORE PAPER) I
THEORIES OF HUMAN DEVELOPMENT**

Course Title: Theories of Human Development

Course Code: HSC/(C)/101

Maximum Marks: 100

(a) End-semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

(c) Duration of End-Semester Examination: 2:30 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 Theory of 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 McGraw-Hill Edition, Delhi India.
 2. Hurlock E(2000): "Child Development", Tata McGraw-Hill Edition, Delhi, India.
- Del Monovigvan Brinda Singh, Panchseel Prakashan, Jaipur.

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**FIRST SEMESTER (CORE PAPER) II
ADVANCED FOOD SCIENCE**

Course Title: Advanced Food Science

Course Code: HSC (C)/102

Maximum Marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 Hours

Syllabus

Unit I

Different food groups and their nutritive values
Beverages: Coffee, tea and Cocoa; Soft Drink; Alcoholic beverages

Unit 2

Fruits: Composition and nutritive value
Vegetables: Classification, composition, nutritive value and methods of cooking
Preserved and processed products from fruits and vegetables

Unit 3

Cereals: Breakfast cereals – Uncooked and ready to eat products; Cereal-based products – processed, fermented and baked
Pulses and legumes: Composition and processing; Toxic constituents of Pulses and Elimination of toxic factors.

Unit -4

Nuts and oilseeds: Use and processing
Fats and oils: Functions of oils and fats in food; Processing of fats

References

1. Amerine MA, Pengborn RM, Roceasier EB (1965). Principles of Sensory Evaluation and Academic Press, New York.
2. Srilakshmi, B. Food Science, 4th Edition, New Age Publishers, New Delhi
3. Food Science and Experimental Foods, M. Swaminathan, Bappco

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FIRST SEMESTER (CORE PAPER) III
EXTENSION EDUCATION AND COMMUNITY DEVELOPMENT

Course Title: Extension Education and community Development

Course Code: HSC/(C)/103

Maximum Marks: 100

(a) End-Semester Examination: 80 Marks.

(b) Sessional Assessment: 20 Marks

(c) Duration of End-Semester Examination: 02 Hours

Syllabus

Unit 1:

Home Science Extension Education-Definition, meaning, scope, objectives, need, importance, philosophy and principles.

Unit 2:

Extension Teaching methods-introduction, classification of extension teaching methods. Audio visual aids - Types and uses.

Unit III:

Agencies associated with extension education for rural development.
Communication – Meaning, Scope and elements of Communication.

Unit IV:

Community development - Definition, meaning, chief element, principle, objectives, philosophy, types, process, and 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

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**FIRST SEMESTER (CORE PAPER) IV
RESEARCH METHODOLOGY IN HOME SCIENCE**

Course Title: Research Methodology in Home Science.

Course Code: HSC/ (C/104

Maximum Marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 200 Marks

Duration of End-Semester Examination: 2:30 Hours.

Syllabus

Unit-1:

Research: Meaning, Objectives, Importance and Types of Research.
Research Process.

Unit-2:

Research problem: Definition and Identification of research problem. Selection of Problem
Hypothesis: Meaning, Characteristics, Formulation and Testing.

Unit-3:

Sources of Data: Primary and Secondary Data: Drafting of Questionnaires and Schedules; Measurement and Scaling.

Unit-4:

Use of ICT in Data Analysis. Report Writing.

Referneces

Business Research Methods, Donald R copper, 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, GautamSinha, TaposhGhoshal, 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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**FIRST SEMESTER (CORE PAPER)
PRACTICAL**

Course Title: Practical

Maximum marks: 50

(a) End-Semester Examination: 30 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 3 Hours

PRACTICAL:

1. Preparation of Audio Visual Aids in Home Science Extension Management – Chart, Poster, Folder, Flash Cards.
2. Preparation of Recipes from different Indian States.

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SECOND SEMESTER (CORE PAPER) II
APPAREL DESIGNING

Course Title: Apparel Designing

Course Code: HSC/ (C)/202

Maximum marks: 100

(a) End –Semester Examination: 80 Marks

(b) Sessional Assessment: 20 Marks.

Duration of End-Semester Examination: 2:30 Hours.

Syllabus

Unit-1

Principles of Design as Applied to Apparel Design
Scope and types of Design- Structural and Decorative
Elements of Arts with reference to Clothing.
Colour in relation to Apparel Designing.

Unit-2

Use of Construction features in Design Seams, Darts, Tucks, Pleats, Shirring.
Smoking.
Different types of neck lines, Collars, Yokes and Sleeves.
Renovation of Clothing.

Unit-3

Fitting – Figure irregularities, Factors affecting good fitting.
Common problems encountered in fitting of Garments.

Unit-4

Fashion – Terminology and principles. Fashion Cycle, Factors Influencing Fashion.

References:

1. Parivarik Paridhan Vyavashtha – Sapna Henry & Manju Patni, Star Publication
2. Vastra evam Paridhan – Shashiprabha Jain and Archana Jain, Shiva Prakashan

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

Course Title: Life Span Development

Course Code: HSC/(C)/203

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 Hours

Syllabus

Unit I:

Adolescence – Puberty and Adolescence- Definition and Characteristics, Physical Changes during Puberty and adolescence, Problems of Adolescence, Social and Emotional development during Adolescence.

Unit II:

Early Adulthood: Characteristics, Developmental Tasks, Problems, Interests, Vocational, Marital Life and adjustment, Divorced marriage, Unmarried Life.

Unit III:

Middle and late Adulthood – Developmental Tasks of Middle and late Adulthood. Physical Changes and ageing. Family adjustments, Loss of Spouse, Health and Disease.

Unit IV:

Old Age - Characteristics, Developmental Tasks, Types of Changes during ageing , Physical, Sensory, Sexual, Health, Changes in interest, Retirement. Problems of Adjustment.

References :

1. Baal Vikas evam Baal Manovighyan- Vrinda Singh, Panchsheel Prakashan
2. Child growth and Development- Hurlock B Elizabeth (1978) , Tata Mc Graw Hill
3. Developmental Psychology - Hurlock B Elizabeth (1981) , Tata Mc Graw Hill

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**SECOND SEMESTER (CORE PAPER) IV
STATISTICS IN HOME SCIENCE**

Course Title: Statistics in Home Science

Course Code: HSC/(C)/204

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 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 (Pie)

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 and 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.

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**SECOND SEMESTER (CORE PAPER)
PRACTICAL**

Course Title: Practical

Course Code: HSC/(C)/205

Maximum marks: 50

(a) End-Semester Examination: 30 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 3 Hours

PRACTICAL

1. Construction of Pleats, Tucks, Basic Seams, Finishing of Necklines and Collars and types of Sleeves.
2. Preparing Therapeutic Diets for various diseases.

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**THIRD SEMESTER (CORE PAPER) I
COMMUNITY NUTRITION**

Course Title: **Community Nutrition**

Course Code: HSC/(C)/301

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 Hours

Syllabus

Unit-I

Prevalence, etiology, biochemical and clinical manifestation and preventive measures for; protein Calories Malnutrition-Kwashiorkor 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; Beriberi, Pellagra; Scurvy; Rickets, Osteomalacia and Osteoporosis

Unit IV:

Nutritional assessment and surveillance-Meaning, need, objectives and importance
Anthropometry- need, importance, types, standards for reference
Clinical assessment - Need, Importance, Identifying signs of deficiency diseases.
Diet surveys- Need, Importance, Methods.

Reference:

Joshi SA (1992) Nutrition & Dietetics: Tata McGraw 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)II
TRADITIONAL INDIAN EMBROIDERY AND TEXTILES

Course Title: Traditional Indian Embroidery and Textiles

Course Code: HSC/(C)/302

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 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 fabrics-Dhaka muslin, tassar, kotadoris

Printed Sanganeri, Kharhi print of Gujarat Painted-Kalamkari, Madhubani

Resist dye - 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:

ParivarikPariddhanVyavastha-Sapna Henry and ManjuPatni, Star Publications

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**THIRD SEMESTER (CORE PAPER) III
FAMILY HOUSING AND INTERIOR DECORATION**

Course Title: Family Housing and Interior Decoration

Course Code: HSC/(C)/303

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 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-advantage and disadvantages factors influence cost of a house financing agency-L.I.C. Banks, housing board, Cooperative Housing societies Building Materials used in construction and finishing.

Unit IV

Furniture and Furnishing

Selection of Furniture, Principles of Furniture Arrangement, Materials used in Furniture.

Factors influencing Furnishing of House.

Flower Arrangement – Meaning and Types

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.

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THIRD SEMESTER PRACTICAL

Course Title: Practical

Maximum marks: 50

End-Semester Examination: 30 marks

(a) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 3 Hours

PRACTICAL :

1. Assessment of Nutritional Status – 24 hour Dietary Recall, Anthropometry
2. Preparation of Low Cost High Nutritive Value recipes.
3. One Article using Traditional Embroidery.

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**THIRD SEMESTER (ELECTIVE PAPER)
CONSUMER EDUCATION**

Course Title: **consumer Education**

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

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 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 consumers

Unit II

Rights and responsibilities of the consumer problems of the Indian consumer

Consumer Protection-Meaning, definition, need, measures.

Unit III

Consumer and Law consumer welfare

Consumer protection services.

Unit IV

Introduction to tax and their kinds main taxes in India

Income Tax- meaning, Characteristics, definition and importance

References:

UnbhoktaArthshashtra, Karuna Sharma, ManjuPatni and Deepak Agarwal, Shiva Prakashan
Indore

ParivarikVitEvamUpbhoktaShiksha, Karuna Sharma, Sandhya Sharma and Deepak
Prakashan Indore.

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THIRD SEMESTER (ELECTIVE PAPER) GUIDANCE AND COUNSELING

Course Title: **GUIDANCE AND COUNSELING**

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

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 Hours

Syllabus

UNIT I

Guidance – Meaning, Aims, Scope, Need

Organs of guidance process

Foundations of guidance – philosophical, psychological and socio-cultural

Types – Educational, Vocational, Personal

UNIT II

Counseling – Meaning, Definition, Objectives, Need

Types of Counseling, Meaning, Characteristics, Steps, Advantages, Limitations

Relationship and difference between guidance and Counseling

UNIT III

Role of testing techniques in guidance, use of psychological tests, personality tests and aptitude

tests in guidance

Non-testing techniques in guidance – interview, observation, case-study, cumulative record, Sociometry

UNIT IV

Counselor – Qualities and Functions

Guidance and counseling during adolescence – vocational, choosing life-partner, marriage, parenthood and family life

References:

Kishore-awastha, Vivah evam Parivarik Jeevan, Alka David, Shiva Prakashan, Indore

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

Course Title: Early Childhood Education

Course Code: HSC/(E)/304©

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 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 Lock, Friedrich Wilhelm Froebel, Jean Jacques Rousseau, Maria Montessori,

Unit II: Principles of Early Childhood Education

Objectives; need and significance; Basic principles; the Play way 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 behavior, onlooker, solitary independent play, parallel activity, associative play, cooperative or organized supplementary play)

Reference:

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

SethKanta, AhujaKavita (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 JS (1998), Early Childhood education-foundations and practice, Har Prasad

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FOURTH SEMESTER (CORE PAPER) I FOOD SAFETY AND PRESERVATION

Course Title: Food Safety and Preservation

Course Code: HSC/(C)/401

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 Hours

Syllabus

Unit I

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 of Food Preservation.

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.
A text book of Foods, Nutrition and Dietetics, M.R. Begum, Sterling Publishers Pvt. Ltd.
CherleyH(1982). Food Science (2nd edition), John Wiley & Sons, New York.

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**FOURTH SEMESTER (CORE PAPER) II
DYEING AND PRINTING**

Course Title: Dyeing and Printing

Course Code: HSC/(C)/402

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 Hours

Syllabus

Unit I:

Dyes-Definition and classification of dyes, different types of dyes- Vegetable, animal and mineral; Synthetic dyes-Direct, acid, basic, reactive, vat, sulphur, mordant, disperse, pigments. Suitability of various dyes to different fibers

Unit II:

Dyeing methods at different stages of processing- fiber, 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.

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**FOURTH SEMESTER (CORE PAPER) III
CHILDREN WITH SPECIAL NEEDS**

Course Title: Children With Special Needs

Course Code: HSC/(C)/403

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 Hours

Syllabus

Unit I:

Children with special needs: Definition, characteristics, classification according to types of impairment

Special education for children with special needs

Unit II:

Mental retardation: definition and levels, causes, identification, educational provisions

Gifted and creative children: definition, characteristics, special needs, identification and educational provisions

Unit III:

Visually handicapped children: Classification, identification and educational provisions

Hearing impaired: Classification, identification, causes and educational provisions

Unit IV:

Children with orthopaedic impairments: Definition, classification, causes, educational provisions and rehabilitation

Children with behaviour disorders: autism and aggressive behavior

References:

1. Bhargava M. (1994)–Introduction to Exceptional Children, Sterling Publishers, New Delhi.
2. Kar Chintamani (1996)– Exceptional Children: Their Psychology and Education, Sterling Publishers, New Delhi.
3. Sahu B.K. (1993) – Education of the Exceptional Children, Kalyani Publishers, New Delhi.
4. Vishisht Avashyakta wale bacchon ki shiksha tatha nirdeshan evam paramarsh, Vinay Rishivar, Agarwal Publications
5. Vishisht Balak, Abha Rani Bisht and Swati Saxena, Agarwal Publications
6. Vishesh Avakshyataon waale Bacche Part I and II, DECE-3, Bacchon ke liye sewayen evam karyakram, IGNOU

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**FOURTH SEMESTER (CORE PAPER)
PRACTICAL**

Course Title: Practical

Maximum marks: 50

(a) End-Semester Examination: 30 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 3 Hours

PRACTICAL:

1. Construction of articles using different types of Printing and Dying Techniques.
2. Preparing an Educational Game or Teaching Aid for Exceptional Child.
3. A Visit to an Institution for Children with Special Need and Report Writing.
4. Home Scale Food Preservation – Preparing, Jam, Pickle, Sauce

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

Course Title: Psychological Testing and Measurement

Course Code: HSC/(E)/404(n)

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 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 Behavioral

Method of Personality Assessment

Personality inventories

Projective techniques

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**FOURTH SEMESTER (ELECTIVE PAPER)
RURAL SOCIOLOGY**

Course Title: Rural Sociology

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

Maximum marks: 100

(a) End-Semester Examination: 80 marks

(b) Sessional Assessment: 20 marks

Duration of End-Semester Examination: 2:30 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

Reference

Doshi S.L. Rural Sociology, University Book House, Jaipur

Ahuja Ram Social Problem in India University Book House, Jaipur.

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**FOURTH SEMESTER (ELECTIVE PAPER)
PROJECT/DISSERTATION**

Course Title: Project/Dissertation
Course Code: SOS/ECO (E)/404 (C)
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 base on the collection of primary/secondary data and observation. Project/Dissertation will be carried by the student under the supervision of Student advisor (teacher of department). At the end of the study the student will submit a study Report to the Department.

Methods of Evaluation:

Performance of Student in Project work / Dissertation 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.

Mayana
Anjali Chaudhary
Rachana Mishra

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