

UGC NET FOR HOME SCIENCE

Sem	Subject Code	Category	Lecture		Theory		Practicals	Credits
IV	19CPFN4C	Elective paper IV	Hrs/sem	Hrs/Per week	Hrs/sem	Hrs/Per week	-----	3
			90	6	90	6		

COURSE OBJECTIVE:

- 1) To highlight the importance of clearing the National Eligibility Test and Junior Research Fellowship.
- 2) To understand the important topics under the Home Science Subjects excluding the Foods and Nutrition subject as its their major course.

COURSE OUTCOMES

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level (K1-K4)
CO1	Understanding the concept of Textiles and its importance	K2
CO2	Learning about the Resource Management and Consumer Issues	K2
CO3	Learning about the Communication and development	K2
CO4	Understanding the concept of Child/Human development and Family dynamics	K2
CO5	To know the importance of Extension Education and Community Development	K3, K4

Knowledge level: K1 – Remember, K2-Understand, K3- Apply, K4-Analyse.

MAPPING WITH PO

COS	PO1	PO2	PO3	PO4	PO5
CO1	M	M	M	M	M
CO2	M	M	S	M	M
CO3	M	M	M	M	S
CO4	S	M	M	S	S
CO5	M	M	S	S	S

S-Strong; M-Medium, L- Low

UNIT I

18 Hours

TEXTILES

- A) Textile terminologies- fibre, yarn, weave, fabric etc., classification of fibers, yarns and weaves. Manufacturing process of major natural and manmade fibres, properties and their end uses. Different methods of fabric construction-woven, knitted and non woven fabrics, their properties and end uses. Textiles finishes-classification, processing and purposes of finishes.
- B) Dyeing and printing-classification, method of block printing, tie and dye, batik, roller printing, screen printing, discharge, heat transfer printing and digitized printing. Traditional textiles of India-embroidered textiles, printed textiles, woven textiles, dyed textiles of various regions in India. Textile Testing and quality control-need of testing, sampling method, techniques of testing fibres, yarn, fabrics and garments. Testing of colour-fastness, shrinkage, pilling and GSM of fabrics.
- C) Textile and environment-banned dyes, eco-friendly textiles, contamination and effluent treatment, Eco-label and eco marks. Recent developments in textiles and apparels- nano textiles, technical textiles, occupational clothing, zero waste designing, up cycling and recycling.

UNIT II

18 Hours

RESOURCE MANAGEMENT AND CONSUMER ISSUES

- A) Management-concept, approaches, management of time, energy, money, space, motivating factors, motivation theories, decision making. Functions of management-planning, supervision, controlling, organizing, evaluation, family life cycle-stages, availability and use of resources.
- B) Resources-classification, characteristics, factors affecting use, resource conservation, time management, work simplification techniques, classes of change, fatigue and its management. Management of natural resources-land, forest, water, air, water harvesting, municipal solid waste management, concept of sustainable development, SDGs.
- C) Money management-family income, types, supplementation, budgeting, household accounts, family savings and investment, tax implications. Human resource management- functions, need, human resource developmentchallenges, functions, manpower planning, training need assessment, training methodologies, training evaluation.

UNIT III

18 Hours

COMMUNICATION FOR DEVELOPMENT

- A) Basics of communication- nature, characteristics, functions, process, models, elements, principles, barriers, perception, persuasion and empathy, types of communication, levels (settings) of communication transactions, process of listening. Communication systems and communication theories- human interaction theories, mass communication theories, message design theories, communication systems, culture and communication. Concept of development- theories, models, measurement and indicators of development, communication models and approaches, diffusion and innovation, mass media, social marketing.
- B) Role of communication in development- need and importance, development journalism, writing for development-print, radio, television and internet. Traditional, modern and new media for development - folk forms of songs, art, dance, theatre, puppetry, advertisement, cinema, ICTs for development-community radio, participatory video, social media and mobile phones. Organisation/agencies/institutes working for development communication international/national/state and local.

UNIT IV

18 Hours

A) CHILD/HUMAN DEVELOPMENT

Principles of growth and development, care during pregnancy and pre-natal and neonatal development. Theories of human development and behavior. Early childhood care and education – activities to promote holistic development. Influence of family, peers, school, community and culture on personality development. Children and persons with special needs, care and support, special education, prevention of disabilities, rehabilitation. Children at risk-child labour, street children, children of destitute, orphans, child abuse and trafficking. Adolescence and youth: changes, challenges and programs to promote optimal development. Adulthood, characteristics, changing roles and responsibilities in early and middle adulthood. Aging-physical and psychological changes and care needs.

B) FAMILY STUDIES

Dynamics of marriage and family relationships. Family welfare-approaches, programmes and challenges, role in national development. Domestic violence, marital disharmony, conflict, resolution of conflict. Parent education, positive parenting,

community education. Family disorganization, single parent families. Family studies- family in crisis, family therapy, initiatives for child development. Human rights, rights of children, rights of women, status of women, gender roles. Guidance and counseling- across life span and for care givers. Health and well being across life span development.

UNIT V

18 Hours

EXTENSION MANAGEMENT AND COMMUNITY DEVELOPMENT

- A) Historical perspectives of extension–genesis of extension education and extension systems in India and other countries, objectives of extension education and extension service, philosophy and principles of extension programmedevelopment.Programme management- need assessment, situation analysis, planning, organization, implementation, monitoring and evaluation.
- B) Extension methods and materials- interpersonal, small and large group methods, audiovisual aids-need, importance, planning, classification, preparation and field testing, use and evaluation of audio-visual materials. Curriculum development and planning for extension education and development activities, Bloom’s taxonomy of educational objectives and learning. Non-Formal, adult and lifelong education- historical perspectives, concept, theories, approaches, scope, methods and materials used, challenges of implementation and evaluation, issues to be addressed.
- C) Community development- perspectives, approaches, community organization, leadership, support structures for community development, Panchyati raj institutions, NGOs and community basedorganisations. Development programmes in India for urban, rural and tribal population groupsprogrammes for nutrition, health, education, wage and self employment, women’s development, skill development, sanitation and infrastructure.

Distribution of Marks: Theory – 25 (IA) + 75 (univ. exam) = 100 Marks

TEXT BOOKS:

S.NO	AUTHORS	TITLE	PUBLISHERS	YEAR OF PUBLICATION
1	Rose Sinclair	Textiles and Fashion, 1st Edition, Materials, Design and Technology	Woodhead Publishing	2014
2	K Gandhi	Woven Textiles, 1st Edition, Principles, Technologies and Applications	Woodhead Publishing	2012
3	George Van Dyne	The Ecosystem Concept in Natural Resource Management, 1st Edition	Academic Press	1969
4	John Innes Reza Kouhy	Management Accounting and Strategic Human Resource Management, 1st Edition	CIMA Publishing	2001
5	J C Huebsch	Communication 2000, 1st Edition	Butterworth-Heinemann	1987
6	Valerie Kincade Oppenheimer	Work and the Family, 1st Edition, A Study in Social Demography	Academic Press	1982
7	Jill Clendon Ailsa Munns	Community Health and Wellness, 6th Edition, Principles of primary health care	Elsevier	2018

REFERENCE BOOKS:

S.NO	AUTHORS	TITLE	PUBLISHERS	YEAR OF PUBLICATION
1	T Rowe	Interior Textiles, 1st Edition, Design and Developments	Woodhead publishing	2009
2	B P Saville	Physical Testing of Textiles, 1st Edition	Woodhead Publishing	1999
3	Julia Smith	Handbook of Management Accounting, 4th Edition	CIMA Publishing	2007
4	Sally Vince	Effective Communication, 1st Edition	Pergamon	1995
5	Kurt Danziger	Interpersonal Communication, 1st Edition	Pergamon	1976
6	Jennifer Hudson Ron Rapee	Psychopathology and the Family, 1st Edition	Elsevier Science	2005
7	Dr. Akanksha	UGC-NET/SET/JRF for Home science(Paper-II)	Upkar's Publications	2019

8	Anju Khosla, Ruchi	Trueman's NTA UGC NET Home Science	Danika Publishing Company	2018
9	Shuchi Rastogi	UGC NET/SET (JRF & LS) HOME SCIENCE Paper II & III	Arihant Publications	2019
10	Atlantic Research Division	Home Science for UGC-Net/Slet/JRF (Paper I, II and III) Objective Type Questions (Previous Years' Solved Papers)	Atlantic Publishers & Distributors Pvt Ltd	2014
11	Editorial Board: Pratiyogita Darpan	UGC NET/JRF Exam Solved Papers Home Science	UpkarPrakashan	2015

WEB SOURCES:

1. http://cbseacademic.nic.in/web_material/Curriculum/Vocational/2018/Textile%20DesignT&P_XI_829.pdf
2. https://www.researchgate.net/publication/262938623_Textile_Knowledge_Book
3. www.ebooks.upkar.in
4. https://www.gate2016.info/ugc-net-books-home-science/#UGC_NET_2020_HOME_SCIENCE_EXAM_BOOKS_PAPER_8211_2_3
5. <https://www.examrace.com/>
6. <https://www.doorsteptutor.com/>
7. <https://www.flexiprep.com/>
8. <https://www.youtube.com/c/TestPrep>

TEACHING METHODOLOGY

- Chalk and board teaching
- Study Assignment method
- Active learning method
- Group discussions
- PPT
- Seminars
- Other Group activity

SYLLABUS DESIGNER:

- Ms. R. TAMILSELVI, Head and Assistant Professor, Department of Foods and Nutrition