

Pre. Ph.d

OK

MAA SHAKUMBHARI UNIVERSITY, SAHARANPUR

Members, Board of Studies (Home Science)

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National Educational Policy-2020
Semester-wise Titles of the Papers in Ph.D. (Home Science)

Y e a r - 6 a s s p e r N E P - 2 0 2 0 / Y e a r - I	S e m e s t e r X I a s s p e r N E P - 2 0 2 0 / S e m e s t e r - I	Paper Code	Core/ Elective/ Value Added	Paper Title	Theory/ Practical/ Project	Credits	Internal Marks	External Marks	Teaching Hours
			Core Compulsory	Advances in Research Methodology and Computer Application	Theory	04	25	75	4*15=60
			Core Compulsory	Recent Advances And Research Trends in Home Science	Theory	06	25	75	6*15=90
			Core Compulsory	Life Skills Development	Theory	06	25	75	6*15=90
			Core Compulsory	Survey/Resea rch Project	Project	Qualifying			

Minimum Marks:

1. In each paper Fifty Five i.e., 55 with aggregate of 55% in all papers.
2. Division: First division CGPA 6.5 and above, Second Division above CGPA 5.5 < 6.5
3. There is no provision of Third Division.





DETAILED SYALLABUS
Ph.D. HOME SCIENCE
SEMESTER XI as per NEP

Paper I

Advances in Research Methodology and Computer Application

Course Type: Major

Credit: 4

Objectives:

- To understand the significance of research methodology and computer application in Home Science research.
- Demonstrate knowledge pertinent to the role of research in all disciplines of home science.
- Evaluate limits and possibilities with respect to knowledge in the research and its implementation.

Contents

Unit	Topic	No. of Lectures
I	Introduction to Research- Meaning and definition of research, Objectives of research, Motivations of research, Types of research, Formulating a research problem – selecting the problem, techniques involved in defining a problem, Research process and steps involved in the process, Criteria of good research, problems encountered in research. Methods of Research (Survey, Observation, Case study, Experimental, Historical and comparative methods).	08
II	Research Design & Sampling Design- Meaning of research design, need for research design, Features of research design, Different research designs, Parametric & non parametric methods. Sampling – Meaning of sample, Sampling techniques, Steps in sampling, Types of sampling, advantages and limitations of sampling.	08
III	Data Collection & Processing- Literature Review- Need; Procedure for collection of literature, Data Collection & Processing - Collection of data – primary data and secondary data; Data Processing – processing the data; editing; coding and classification; tabulation. Redesigning, research tools-like	08



	questionnaire, observation, interviews, scales and tests etc.	
IV	Analysis and Interpretation of data- Analysis of quantitative data and its presentation with tables, graphs etc. Use of Statistical tools in the analysis of data- Mean, Median, Mode, Standard Deviation & Co-relation. Validity and delimitations of research findings.	10
V	Interpretation and report writing: Thesis writing, book review, reference and preparation of bibliography.	08
VI	Ethical Issues in Research- Benefits of Research, Responsibility, Rights of the Research Participant, Informed Consent, Privacy, Ethical Issues regarding Copyright.	06
VII	Computer Applications- Basic Knowledge of Computer, Use of Internet for Research Purpose: E-mail, WWW, Web browsing, acquiring technical skills, drawing inferences from data, Use of technology and other equipment in Research, Research publishing tool-MS Word, Adobe acrobat, Graphics tool-MS Excel, Presentation tool-MS Power, Application of Internet in research: INFLIBNET, Use of Internet, sights (DOAJ), Use of E Journals, Use of E library, use of EBSCO HOST online database of Academic Libraries.	12

References:

1. C. R. Kothari: Research Methodology- Method and Techniques (English, Hindi Both), 2000.
2. R. Kumar: Research Methodology: A step by Step Guide for Beginners.
3. M. H. Gopal: Introduction to Research Methodology for Social Sciences.
4. Dr. B.L Fadia: SodhPaddhati, Sahitya Bhawan Publication.
5. A.Kumar: ResearchMethodologyinSocialSciences,SarupandSons,NewDelhi, 2000.
6. H.R Bernard: Social Research Methods- Qualitative and Quantitative,2000.
7. Bandarker, P.L. and Wilknson T.S.: Methodology and Techniques of Social Research, Himalay Publishing House, Mumbai, 2000.
8. Koul, Lokesh: Methodology of Educational Research. New Delhi: Vikas Publishing Company, 2002.
9. Sanders, D.H.: Computer Today, NY: McGraw Hill, 1981.
10. Sinha, P.K.: Computer Fundamentals, New Delhi: BPB Publications, 1992.
11. Jain, Satish: Introduction to Computer Science' and basic Programming. BPB Publications, New Delhi, 1990.
12. Rajaraman, V.: Fundamental of Computers, Prentice Hall of India, New Delhi, 1996.
13. Saxena, S.: A First Course in Computers, Vikas Publishing House Pvt. Ltd., New Delhi, 1998.

Nayan *Jadav* *Chait*

Paper II
Recent Advances And
Research Trends in Home
Science

Course Type: Major

Credit: 6

Objectives:

- To enable students to understand interdisciplinary researches, government efforts and different policies in the field of Home Science.
- To make the students aware about the recent advances and research trends in five major fields of Home Science.

Contents

Unit	Topic	No. of Lectures
I	Food and Nutrition- Traditional and novel foods in India, Value added food, Food supplementation, Product development, Nutritional education methods and applications, Effect of food processing on nutrient content and health, Food safety, Food standards, Current nutritional problems and nutritional surveillance, Prebiotics, Sustainable nutrition, Healthy to go meal, Affordable nutrition, Personalized nutrition, Plant based nutrition, Digital nutrition therapy.	18
II	Human Development- Issues regarding development during different stages of life cycle, Developmental assessment in children. Early childhood care and education centers, Day care, Schools for children with special needs, Role and contribution of family in child development, Issues related to parenting and child rearing practices, Psycho-social problems related to children-gender issues, Child abuse, Family violence, Child labour, Juvenile delinquency, Green environment and its effect on children, ADHD (Attention deficit hyperactivity disorder), Child welfare organisation, Geriatric issues - problems and coping skills.	18
III	Textiles and clothing- New trends in textile fibres, Eco-friendly and bio-degradable textiles, Recent developments in fabric finishes, Functional clothing, Traditional and	18



	contemporary clothing and decorative techniques, Eco-fashion, Apparel designing and modern pattern development techniques, Entrepreneurship development in textiles and clothing, Trends in house hold textiles and furnishing materials.	
IV	Family Resource Management- Demographic challenges to family ecology, Housing management problems, Rural and urban housing, Housing in integrated development, Consumer behaviour pattern, Consumer laws, Consumer problems and challenges, Application of Anthropometry in Ergonomics - body posture, innovations in equipment to promote work efficiency, Green Building, Recent advances in interior decoration, Waste management.	18
V	Extension and Communication- Home Science as a tool for development of society, Changing trends in society with particular reference to status of women, Extension Education Programmes related to Home Science, Welfare schemes for women and children, Dynamics of communication application in Home Science research, Emerging issues in communication, Role of mass media for rural audience, Sustainable development - concept and challenges.	18

References:

1. M. Swaminathan: Handbook of Food and Nutrition, The Bangalore Printing & Publishing Co. Ltd, 2018.
2. Anita Singh: Food and Nutrition, Star Publication, Agra, India, 2018.
3. Sumati R Mudambi and M V Rajagopal: Fundamentals of Foods, Nutrition and Diet Therapy, New Age International Publishers, 2018.
4. Hurlock E. B.: Child Development, New Delhi, McGraw Hill
5. Kuppaswamy, B.: Text Book of Child Behaviour and Development, Konark Publication.
6. Devdas, R.P, and Jaya N.: Text Book of Child development, New Delhi, Macmillan Publishing Co.
7. Cook, J. Gordon: Handbook of Textiles Fibres and Man Made Fibres.
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11. Suja Nair: Consumer behaviour, Sultan Chand and sons, New Delhi, 2002.
12. M, Sethi and Seetharaman: Consumerism a growing concept, Phoenix publishers, New Delhi, 1994.

Handwritten signatures:



13. Aggarwal, R.: Communication- today and tomorrow", New Delhi.: Sublime Company, 2008.
14. Dahama, O.P. & Bhatnagar, O.P.: "Education and Communication for Development". New Delhi. - Oxford and IBH Publishing Co. Pvt.Ltd, 1998.

Paper III
Life Skills Development

Credit: 6

Objectives:

- To develop interpersonal skills and good leadership quality for empowerment of self and others.
- To enable students to set goals, manage stress and time effectively.
- To enhance interpersonal skills and good leadership behavior.

Contents

Unit	Topic	No. of Lectures
I	Life Skills: Self Development, Motivation, SWOT Analysis, Goal setting, Attitudes, Emotional intelligences, Interpersonal skills, Character traits.	12
II	Communication skills: Communication types, Components, Barriers, Listening skills, Reading skills, Writing skills, Presentation skills, Speaking skills, Digital literacy, Effective use of Social media, Non verbal communication.	12
III	Stress Management: Stress- Factors responsible for stress, Role conflicts, Dual roles, Stress coping mechanism.	08
IV	Time Management: Character of time managers, techniques and tips for time management, relationship between stress management and time management.	16
V	Leadership and management skills: Traits of leadership, Goal setting, Knowledge about self and the team, Decision making, Vision and mission, Listening and Communicative Skills, Managerial skills, Entrepreneurial skills, Ethics and integrity.	15
VI	Employability skills: Interview skills, Types of interviews, Group Decisions, Preparing for Group Discussions, Stress interview, Situation interview.	13
VII	Lateral Thinking: Need for creativity and innovation.	06
VIII	Universal Human Values: Love and Compassion, Truth, Non-violence, Righteousness, Peace, Service, Sacrifice.	08

References:



1. S. Hariharan, *et. al.*: Soft Skills, Chennai, MJP Publishers, 2010.
2. Rex Stainton Rogers, *et. al.*: Social Psychology- A critical Agenda, UK: Polity Press, 1995.
3. Robert A. Baron, *et. al.*: Social Psychology, New Delhi, Prentice Hall of India, 2006.
4. Elizabeth B. Hurlock: Personality Development, New Delhi, Tata Mc-graw Hill Publishing company.

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