

Department of Home-Science
F/o., Agricultural Sciences
A.M.U., Aligarh

2018-19

Syllabus for Ph.D

Unit-I

Foods and Nutrition

- History of Nutrition
- Chemistry, classification, Digestion and absorption, effect of deficiency and toxicity of proximate principles.
- Chemistry, digestion, absorption, factors causing destruction, factors enhancing content of vitamins and minerals their deficiency and toxicity.
- RDI and factors affecting RDI, Nutrition during the life cycle, Nutrition in pregnancy and lactation.
- Introduction to diet therapy. Causes symptoms and dietary treatment of infectious diseases and metabolic disorders Nutrition during deficiency diseases.
- Assessment of Nutritional status, Direct and indirect methods.
- Ecology of Malnutrition, Factors affecting malnutrition, Socio cultural aspects of Nutrition.
- Nutritional monitoring and surveillance, Nutrition education, National Nutrition Policy, National and International organizations concerned with food and Nutrition.

Unit-II

Community Resource Management and Extension

- Modern concept of adequate housing – Principles of housing, housing standards and Legislation current trend in interior design.
- Present housing conditions in India- Urban and rural area.
- Consumer concepts- Rights and duties of the consumer, consumer redressal.
- Management concepts-functions of Management dimension of management.
- Family and Community resources-decision making, function of family.
- Communication concepts- Participation approach in development communication.
- Ergonomics concepts- Ergonomics in home and other occupation.
- Anthropometry- posture and their analysis.

Unit- III

Child Development

- Basics of Human development.
- Characteristics of infancy- major adjustment of infancy, Characteristics of infant. Physical m motor, emotional, social, language and personality development of infant and Babyhood.
- Various developments in the individual from early childhood to adolescence.
- Personality changes, family relations during adolescence, Hazards of adolescence, problems of adolescents, Adolescent interest, career aspect of Adolescents.
- Concepts, issues and perspective on child development.
- Theories of Human development-Social learning theory, cognitive theories, Piaget and Bruner, Psychoanalytic theory- Sigmund Freud, Psycho Social theory Erik. H. Eriksson.
- Early childhood care and education, intelligence & creativity.
- Personality and determinants.
- Individual differences, Mental retardation, learning disabilities, hyperactive children, Educating children with disabilities, gifted children and their education.
- Self concept and adjustment.

Unit- IV

- Basic concepts of Research Methodology and Statistics.
- Application of computers in Home Science.