



Estd-1973

**RADHEY HARI GOVT. P. G. COLLEGE**

**KASHIPUR (UDHAM SINGH NAGAR)-244713**

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AISHE CODE- C-21911

## Department of Home Science

Home Science is an interdisciplinary field of study. As a discipline Home Science integrates the components of science, social science and technology to facilitate the study and to enhance the quality of life. The major fields studied under Home Science include Food and Nutrition, Human development, Clothing and Textile, Family resource management and Extension and communication. The individual, the family and the community are the foci of Home Science. The field of foods and nutrition under the discipline has vast scope ranging from alleviation of malnutrition from the micro to macro level, preventive and promotive and therapeutic care in hospitals, in food industries as well as food service managers in various establishments. Clothing and textiles can have family and industrial orientation in today's market economy with an entrepreneurial base. India being one of the foremost garment exporting countries and having huge domestic market, there is enough scope for academic development and commercial applications. Women, development and environment are major social and political concerns which need to be addressed in Home Science education to make development gender sensitive, relieve drudgery of women's work by innovating appropriate science and technology. There is also the need to generate considerable research data for policy development of women in the context of a patriarchal society. Home Science places considerable emphasis on human development across life span. Some specific areas studied are early childhood, adolescence, child abuse, family welfare programs, non formal education. The curriculum has an integrated approach of combining theory and practical and fieldwork. The competency based courses of Home Science have sound market value and would lead to social and economic empowerment. Field placement should be incorporated to allow for the integration of skill in the learning processes with transfer of knowledge from laboratory to classroom and from classroom to field. Home Science has contributed a great deal towards national development.



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### **The main objectives of the subject are**

- To understand and appreciate role of Home Science, in the development and well-being of individuals, families and communities.
- To learn about the sciences and technologies which enhance the quality of life of the people
- To acquire professional and entrepreneurial skills for economic empowerment of student in particular, and community in general
- To develop professional skills in the fields of food and nutrition, clothing and textiles, housing and interior decoration, human development, extension and communication
- To prepare young students for studies, research and extension work
- To take science from the laboratory to the people

### **Subject outcomes**

- Women empowerment
- Skill development and enhancement
- Capacity building
- Entrepreneurial development
- Student centric job oriented courses



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**B.A. Home Science**

**Semester I**

**H001- Fundamental concepts of Family Resource Management**

(Max. Marks 50)

(Internal 15 + External 35)

**Course objectives:**

1. Provide knowledge of various concepts and principles of Family Resources Management
2. Awareness of resources- their availability, generation and allocation for improvement in the quality of life of families
3. Generate awareness on money management.

**Learning outcomes:**

On successful completion of the course the student will be able to

- Develop awareness about management in family.
- Students will be able to recognize the importance of wide use of resources in order to achieve goals.
- Have knowledge about the management of resources.
- Develop understanding of concepts of income and expenditure
- Provide skills to tackle family finance.



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## **H002 Housing and Interior Decoration**

(Max Marks- 50)

(Internal assessment – 15 + external – 35)

### **Course objectives**

1. Knowledge of concepts of housing as a structurally sound and functionally efficient unit with well designed living and work space area as.
2. Knowledge of functional dwelling for comfort and safety.

### **Learning outcomes**

On completion of the course the students will be able to:

- Understand the factors influencing selection of house site or house.
- Understand the basic principles underlying house planning.
- Draw house plans for various income groups.
- Understand the advantages and disadvantages of rented, privately owned or an apartment.
- Understand the principles of art and design and their applicability in interior decoration



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## **Semester II**

### **H004- Introduction to Textile Science**

(Max. Marks- 50)

(Internal assessment- 15 + External – 35)

#### **Course objectives**

- 1- To develop an understanding of fibers, yarns and their formation.
- 2- To impart knowledge about selection and care of fabrics.

#### **Learning outcomes**

On completion of the course the students will be able to:

- Understand characteristics and use of common textile fibers.
- Be able to identify different fibers.
- Understand methods and steps of fabrics formation.
- Understand and identify about traditional textiles of India.
- Get an understanding of fabric selection and care.
- Understand general rules of laundering and laundering agents.



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## **H005- Fabric Formation and Finishes**

(Max Marks- 50)

(Internal Assessment- 15 + External – 35)

### **Course objectives**

1. To develop an understanding of fabric formation techniques
2. To acquaint the students with various fabric finishes.
3. To impart skill in dyeing and printing techniques.

### **Learning outcomes**

On completion of the course the students will be able to

- Understand basic fabric formation methods such as weaving, knitting and non woven fabrics.
- Understand and identify different fabric formation techniques.
- Develop knowledge and skill about different dyes, dyeing techniques and printing techniques.



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## **B.A. Home Science**

### **H007 – Fundamentals of Foods and Nutrition**

(Max Marks – 50)

(Internal assessment – 15 external 35)

#### **Course objectives**

1. To give students an understanding of the concepts of foods, their function and classification, nutrition, balanced diet, basic food groups.
2. To acquaint students with the physiology of digestion and basal metabolism and need for energy.
3. To provide students the understanding of nutrients, their sources, functions, requirements and affects of deficiencies.

#### **Learning outcomes**

- Understand food, nutrients and their functions.
- Understand about balanced diet basal metabolism, energy requirement.
- Understand functions, sources and requirements of different nutrients and associated deficiency diseases.
- Understand about food poisoning and food adulteration.



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**B.A. Home Science**

**Semester III**

**H008 - Food Preservation**

(Max. Marks 50)

(Internal assessment- 15 + External 35)

**Course objectives**

To develop knowledge about principles of food preservation and different food processing methods.

**Learning out comes**

On completion of the course the students will be able to:

- Understand objectives and methods of cooking.
- Get acquainted with principles of food preservation and different food preservation methods.
- Understand the role of microorganisms and fermentation.





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## **B.A. Home Science**

### **Semester IV**

#### **H010- Mother Craft and Child Care**

(Max. Marks 50)

(Internal assessment- 15 + External 35)

#### **Course objectives**

1. To introduce the students to the field of human development, concept, scopes, dimensions and interrelations.
2. To sensitize the students to social and cross cultural contexts in human development.
3. To sensitize the students to interventions in the field of human developments.

#### **Learning Outcomes:**

After studying the above course student will understand

1. The field of human development concept, scope, dimension and interrelations.
2. Importance of social and cross cultural contexts in human development.
3. The concepts of child care and mother craft.



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**B.A. Home Science**  
**H011- Introduction to Clothing Construction**

(Max. Marks 50)

**Semester IV**

(Internal assessment- 15 + External 35)

**Course objectives**

1. To develop the consciousness for clothing, its importance, safety, care and comfort.
2. To apart knowledge regarding selection of clothing.
3. To develop skills for garment constructor.

**Learning Outcomes-**

After studying the above course the student will develop:

1. Consciousness for clothing, its importance, safety, care and comfort.
2. Capability to identify the various fabrics and its importance regarding selection of clothing.
3. Skill for garment construction.



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## **B.A. Home Science**

### **Semester V**

#### **H013- Human development**

(Max. Marks 50)

(Internal assessment- 15 + External 35)

#### **Course objectives**

This course will make students understand:

- 1- Regarding various developmental tasks of different age groups.
- 2- Concepts of human development and give students knowledge about the rights and needs of different age groups.
- 3- Concepts of old age and special needs of old age.

#### **Learning Outcome:**

After studying the above course students will understand:

1. Concepts of various developmental task of different age group.
2. Care and need of children, adolescents, adult and old age.



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## **B.A. Home Science**

### **Semester V**

#### **H014- Family welfare and community education**

(Max. Marks 50)

(Internal assessment- 15 + External 35)

#### **Objectives-**

- 1- To make them understand about the children rights and National Policy for Children.
- 2- To give the concept of different categories of special needs of children and adolescents.
- 3- Student should have the knowledge about family and child welfare services working at National and International level
- 4- Concept of community education.

#### **Learning Outcome-**

After studying the above course students will understand the concept of family and community education.



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## **B.A. Home Science**

### **Semester VI**

#### **H016- Nutritional Management in Health and Disease**

(Max. Marks 50)

(Internal assessment- 15 + External 35)

#### **Course objectives**

- 1- To develop the concept of different health conditions.
- 2- To make them understand Nutritional Management.
- 3- Nutritional management during different health and disease condition.

#### **Learning Outcomes-**

After studying the above course students will be able to understand how to manage nutrition during different age groups and different health and disease condition.

## **B.A. Home Science**

### **Semester VI**

#### **H017- Fundamental Concepts for Extension Education.**

(Max. Marks 50)

(Internal assessment- 15 + External 35)

#### **Course objectives-**

1. To the students understand the meaning, importance and need of extension education.
2. Role of home science in extension education for development
3. Communication, its meaning, process and characteristics.

#### **Learning Outcome-**

After studying the above course students will understand the fundamental concepts of extension education, its role in rural development and concept of communication.