ST.JOSEPH’S COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM

II SEMESTER **HOMESCIENCE** TIME: 4HRS/WEEK

HS 2202 (3) **HOUSING FOR BETTER LIVING** MAX.MARKS:100

w.e.f. 2020 – 2021 (“20AH”) **SYLLABUS**

**COURSE OBJECTIVES:** To enable the students to

1. Recognize the family’s housing needs.
2. Be aware of the financial and other implications of owning/ renting/ building a house.
3. Acquire information that will improve the quality of housing available to the family.
4. Understand the principles underlying the selection, operation, use, care and storage of household equipment.

**OUTCOMES OF THE COURSE:**

At the end of the course, the students will be able to learn

A) Remember and explain in a systematic way

● Importance of house for better living

● Requirements to purchase land, building materials protection and care of house

B) Understands and Uses

● Principles of planning a house with an emphasis on kitchen plans

● Types and properties of building materials

C) Critically explains, judges

● Planning of different rooms in a house.

● House plans for different income groups.

● Advantages and disadvantages of own and rented house.

● Protection of house from dampness, termites, fire etc.,

● Selection and purchase of equipment for the house.

D) Working in out of prescribed areas under co-curricular activity

● Study of building materials and equipment which are not included in the syllabus

● Visiting Places –Building sites/ Construction

E) Practical skills

● Drawing of floor plans of houses for different income groups using symbols.

● Drawing of different kitchen plans

● Study and identification of different building materials.

● Study of electrical and non-electrical equipment for the house, their operation and care.

**UNIT – I: HOUSING**

● Importance and functions of a house; Influence of housing on Health and Family Living

Factors influencing the choice of house.

● Requirements for purchasing land for building a house - Selection of site-soil condition,

locality, orientation, sanitary facilities, good neighborhood, legal characteristics etc.

**UNIT – II: HOUSE PLANS**

● Principles of planning a house – aspect, prospect, privacy, flexibility, roominess, grouping, circulation, sanitation, practical considerations etc.

• Planning of different rooms in the house – verandah, living room, bed room, kitchen etc.

• Kitchen plans – planning of efficient work centers (L shape, U shape, single walled,

Peninsular shaped kitchens) and storage facilities in kitchen and other rooms.

• Advantages and disadvantages of owning and renting a house.

**UNIT – III: BUILDING MATERIALSAND FINISHES**

• Stone –Different types and properties; Clay products – Types; Cement; Mortar; Concrete; Timber; Plywood & related products; Plastics & related products; Paints & related products; Ferrous & nonferrous metals; Gypsum & related products.

• Finishes –Floor, wall and ceiling Finishes – types and materials- Factors affecting in

Choosing of finishes.

**UNIT - IV: BUILDING STANDARDS**

• Housing standards-Importance, Functions, Floor Space Index (FSI), Setback, Zoning

• Types of Houses: Detached, Semi-Detached, Row, Group Housing, Apartments, Sky scrapers

• Prefabricated Construction, Laurie baker Housing

**UNIT – V: HOUSEHOLD EQUIPMENT**

• Factors to be considered for the selection and purchase of household equipment.

• Construction principles and care of the following equipment

➢ Small electrical appliances – mixers, toasters, beaters, iron etc.

➢ Large electrical appliances – refrigerator, washing machine, vaccum cleaner, dish

washer, electric range etc.

➢ Low cost appropriate technology for rural areas – hay box, Janata refrigerator, solar

cooker, Biogas plant etc. Points to be considered while operating electrical appliances and safety measures to avoid Accidents.

**REFERENCE BOOKS:**

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II SEMESTER **HOMESCIENCE** TIME: 4HRS/WEEK

HS 2252 (2) **HOUSING FOR BETTER LIVING**  MAX.MARKS:100

w.e.f. 2020 – 2021 (“20AH”) **PRACTICAL** **SYLLABUS**

1. House plan – symbols, site plan, floor plan, elevation, landscape

2. House plans for different income levels – low income, middle income and high income.

3. Kitchen plans- L shape, U shape, broken L, U Shape, peninsular, one walled.

4. Market study on building materials & identification of – floor finishes, wall finishes and

ceiling finishes.

5. Care and cleaning of metals and Non-metal items.

6. Care and cleaning of different types of floors and walls using suitable cleaning equipment and cleaning agents

**REFERENCES :**

1. Premlata Mullick, (2016). Textbook of Home Science, 4th edition,, Kalyani Publishers

2. Varghese & Oagle (2005) Home Management, New Age International Publishers.

3. Subasini Mohapatra (2010).Home Management and Household Economics, Kalyani Publishers.

4. Premavathy Seetharaman, Parveen Pannu (2005), Interior Design and Decoration, 1st edition, CBS Publishers.

5. Sushma Gupta, Neeru Garg &Renu Saini (2018), Text book of Family Resource Management, Hygiene and Physiology, 11th edition, Kalyani Publishers.

6. Pratap Rao, M. (2012), Interior Design – Principles & Practice, 4th edition, Standard Publishers & Distributors.

7. Prof. Veena Gandotra, Dr. Sarjoo Patel (2006), Housing for Family Living, 1st edition, Dominant Publishers & Distributors

1. Study of building materials and equipment which are not included in the syllabus.

2. Visiting Places- Building sites/ Construction

3. Drawing layouts

4. Model making- clay, cardboard etc

**CO-CURRICULAR ACTIVITIES**:

• Debates/Seminar/Group discussions/Quiz

• Charts & Poster Presentations

• Organizing exhibitions

• Album making of Layouts, finishes. Household Equipment etc

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