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

Time: 4Hrs/week **HOUSEHOLD EQUIPMENT** Max.Marks:100

**OBJECTIVES:** To enable the students to

* Recognize basic materials used in the construction of household equipment.
* Understand the principles underlying the operation, use, care and storage of household equipment.
* Use the criteria for the selection for appropriate equipment for home and suitable material for functionality.

**COURSE:**

**UNIT I:** Materials used for household equipment

* Metals – aluminum, iron, steel, stainless steel, copper, brass.
* Non – metals – glass, plastic, ceramic, wood.

**UNIT II:** Selection, working mechanism, use and care of major equipment.

* Refrigerator, vacuum cleaner, washing machine, microwave oven.

**UNIT III:** Selection, working mechanism, use and care of minor equipment.

* Mixer, toaster, cooking range, induction stove.

**UNIT IV:** Appropriate technology

* Solar cooker, biogas plant, janata refrigerator, smokeless Chula.

**UNIT V:** Government programmes to promote renewable energy.

* MNES, NEDCAP

**REFERENCES:**

1. Louise Jemson Peet, Marry Pickett, Mildred, G. and Arnold,B.S. (1970): Household equipments, 6th edn. John wiley& Sons inc. (Unit-I – IV).
2. Florence Ehrenkranz, Lydia Inman (1958): Equipment in the home, Harper and row publishers.
3. Tessie Agan (1956): The House, Oxford & IBH Publishing co. (Unit – II-IV).
4. Consumer Education Series (1992): Safety in household electrical appliances, CERC Ahmedabad. (Unit – III).

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

Time: 2Hrs/week **HOUSEHOLD EQUIPMENT PRACTICALS** Max.Marks:50

**OBJECTIVES:** To enable the students to

* Understand the principles underlying the operation, use, care and storage of household equipment.
* Use the criteria for the selection for appropriate equipment for home and suitable material for functionality.
* Be aware of new trends in equipment in market.

**COURSE:**

**UNIT I:** Survey to know the fuel energy consumption.

**UNIT II:** Lecture/demo on energy conservation.

**UNIT III:** Lecture/demo on Renewable energy sources – solar energy.

**UNIT IV:** Visit to a Biogas plant.

**UNIT V:** Lecture/demo on janata refrigerator.

**UNIT VI:** Survey to understand availability of equipment in local market.

**UNIT VII:** Lecture/demo on Microwave oven & Induction stove.

**REFERENCES:**

1. Louise Jemson Peet, Marry Pickett, Mildred, G. and Arnold,B.S. (1970): Household equipments, 6th edn. John wiley& Sons inc. (Unit-I – IV).
2. Florence Ehrenkranz, Lydia Inman (1958): Equipment in the home, Harper and row publishers.
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