

**MAJOR BASED ELECTIVE I – FABRIC CARE**

**Unit I**

Water – Sources of water, Types of hardness, methods of softening water – Alkali method, lime soda method. Zeolite or Base exchange method. Determination of hardness.

Laundry Soaps – Manufacture of soap, composition of soap, commonly available types of soap, soapless detergents, chemical action of detergents. Detergent manufacture, Advantages of modern detergents. New developments. Types of soil and method of soil removal. Phenomenon of detergency.

**Unit II**

Bleaches – Classification, Types of Bleaches - Open Air and Sunlight, Sodium hypochlorite, Sodium perborate, hydrogen peroxide, potassium permanganate, sodium Hydro sulphite. Application of bleaches to various fiber fabrics, the right way to bleach. Optical brighteners. Laundry blues fluorescent brightening agents (FBAS).

Stiffening Agents: Purposes of stiffening, classification of stiffening agents, Preparation and uses of stiffeners, steps in stiffening.

**Unit III**

Stain removal: Identification of stain, General procedures of stain removal, Home removal of stains, Points to remember, classification of stains, Principles of stain removal, classification of stain removers.

Care labels: Instruction for washing, bleaching, drying, Ironing and dry cleaning. Placement of labels in garments.

**Unit IV**

Laundry equipments : Household laundry equipments, Laundry procedures for various fiber fabrics – cotton, linen, wool, silk and synthetics.

Dry cleaning: Definition, dry cleaning operations, dry cleaning materials.

**Unit V**

Care of special items: Draperies and curtains, Rugs and carpets, Upholstery, leather and suede.

Storage of household linen and apparel: Bed linen, Bath linen, Bath accessories, Table linen and Apparels.

Laundries – Types and their functioning, planning of laundry area.

**Reference:**

1. Fundamentals of textiles and their care by (5<sup>th</sup> edition), Sushela Dantyagi, Orient Long man ltd, New Delhi.
2. Fabric care by Noemia. D'Souza., New age International (P) ltd., Publishers, Chennai.