

B. Sc. - Semester – I

SKILL ENHANCEMENT COURSE: Credit-2

BSC23SE101: Electronic Gadgets and Home Appliances

Unit-1: Mobile Radio System and Xerography

Mobile Radio System:

Cellular Communications, Transmitting Receiving Antenna, Digital Cellular Phone Block, Diagram, Types of Mobile Phones, Establishing A Call Smart Card ,

Xerography:

Xerographic Process, Extension to a Dynamic Copier

Unit-2: Microwave Ovens and Washing Machine

Microwave Ovens:

Microwaves, Transit Time Magnetrons, Wave Guides, Microwave Oven Block Diagram, LCD Timer with Alarm, Single Chip Controllers ,Types of Microwave Ovens, Microwave Cooking , Features Diagram, Wiring Instructions ,Safety Instructions ,Microwave ,Cookware, Operating Problems and Solutions, Care and Cleaning, Removable Parts,Special Care ,Metal Rack Care,

Washing Machine:

Electronic Controller for Washing Machines, Washing Machine Hardware, Washing Cycle, Hardware and Software Development, Types of Washing Machines, Fuzzy Logic Washing Machines, Miscellaneous Features,

Unit-3: Air Conditioners and Refrigerators:

Air Conditioners:

Air Conditioning, Components of Air Conditioning Systems , All-Water Air Conditioning Systems, All- AIR AIR conditioning systems, Remote Control Buttons , Combination Systems, Unitary and Central Air Conditioning Systems, Split Air Conditioners,

Refrigerators:

Refrigeration, Refrigerants, Refrigeration Systems, Domestic Refrigerators,

Text Book: Consumer Electronics by S. P. Bali (Pearson Publishers)
