Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Faculty of Commerce
Department of Accounts and Applied Statistics
B.Com. Second Year (Sem. III and IV)
Hardware Maintenance & Repairing
(w.e.f. June 2018)

No. of periods per week: 04   Max Marks: 75
Course Code - U-SEC-H   Credits: 03

Learning Objectives:
1.   To familiarize students with the Concept and Application of Computer.
2.   To make students acquainted with the Identification of Computer Parts
3.   To familiarize students with the Installation of Operating System.
4.   To motivate the students to apply Modern techniques for Virus Removal.

Course Outcomes: After completion of this course Students will be able to-
1.   Understand the Computer Parts.
2.   Understand and apply the Installation of Operating System
5.   Apply the gained knowledge and Modern techniques for Virus Removal.

Unit I Basic Information of Computer
1.1 Introduction
1.2 Classification of computer
1.3 Functional block diagram of PC
1.4 Internal Working.
Unit II Identification of Computer Parts
2.1. Introduction of computer parts
2.2 SMPS, Motherboard, Processor, Ram, Hard disk, Optical drive,
2.3 Cabinet, Keyboard, Mouse,   Monitor, Add-On Cards.
2.4 Assembling of computer
2.5 CMOS Setting- CMOS Setup**,** formatting of Hard Disk, Bios Password Stetting and Recovery.
Unit III Installation of Operating System
2.1 Windows XP, Win 7, Win 8, Win 10, Linux
2.2 UBANTU, Drivers Installation
2.3 Installation of Application Software- Installation of Application Software like MS-Office, Adobe Reader, Win-RAR, VLC Player, Page Maker, Corel Draw, Marathi Font, Ism Office and Other.
2.4 Installations of Peripherals-Installation of external Parts of computer like Printer, Scanner Modem Card Web Camera and other.
Unit IV Virus Removal
4.1 Installation of Antivirus software and Activation like NPAV, Quick Hel, Updating, scanning.
4.2 Uses of Internet- Online form filling Got jobs (competitive exam), Uses of internet in education, Remote Desktop Connection sharing, Downloading, uploading.
4.3 Troubleshooting- Fault Finding and Troubleshooting, Data recovery, password Recovery various type of computers problem.

4.4 Networking of computer- Types of Network like LAN, MAN, WAN, Network Topology like Star, Bus, Ring, Mesh, Hybrid and other.

4.5 Networking Tools -Types of Network Cable, Connectors, Crimping Tool, Router, Network Switch.

4.6 CCTV Network- Installations of CCTV Network, Camera, Cable, SMPS, DVR, NVR, Tools of CCTV.

Reference Book

1. R. K. Sharma- Computer Hardware, Himalaya Publishing House, Mumbai.