



# **COMPUTER HARDWARE AND SERVICING (SUBJECT CODE: 055003)**

## **1. Identification of system layout (Study Exercise)**

- a) Front panel indicators & switches and front side & rear side connectors.
- b) Familiarize the computer system Layout: Marking positions of SMPS, Motherboard, HDD, DVD and add on cards.
- c) Configure bios setup program and troubleshoot the typical problems using BIOS utility.

## **2. HARD DISK**

- a) Install Hard Disk.
- b) Configure CMOS-Setup.
- c) Partition and Format Hard Disk.
- d) Identify Master /Slave / IDE Devices.
- e) Practice with scan disk, disk cleanup, disk De - fragmentation, Virus detecting and Rectifying Software.

## **3. a) Install and Configure a DVD Writer & Blu-ray Disc Writer.**

- b) Recording a Blank DVD & Blu-ray Disc.

## **4. Printer Installation and Servicing**

- a) Install and configure Dot matrix printer and Laser printer.
- b) Troubleshoot the above printers.

## **5. Assemble a system with add on cards and check the working condition of the system and install Dual OS.**

## **6. Identification of mobile phone components**

- a) Basic mobile phone components.
- b) Familiarizing the basic circuit board components: Marking position of different IC and Switches in the Network and Power sections of the PCB.