

## **TASK 5**

### **Hardware Troubleshooting**

**Definition** - **Hardware troubleshooting** is the process of reviewing, diagnosing and identifying operational or technical problems within a **hardware** device or equipment. It aims to resolve physical and/or logical problems and issues within a computing **hardware**.

#### **HARDWARE FAILURE CAUSE:-**

Connection problems  
Power fluctuations  
Dust and Dirt  
Defective Media  
Defective Component  
Age  
Overheating

#### **POST audio Errors**

Your will hear these error codes when your computer boots up

- 1.Short Beep None (Normal Boot)
- 2.Short Beeps POST error
- 3.None Speaker broken, turned off, Power Supply or Motherboard
4. Non Stop Beep Power Supply or Motherboard
5. Non-Stop short beeps Power Supply, Motherboard or Keyboard with something stuck or something on top of it
6. Long Beep followed by 2 or 3 short beeps Memory or Video Card

## **CPU :-**

Problems with heat (cooling mechanism FAN, Heat Sink and Liquid Cooling)

5 Minute shut down

Listen for fan for breakdown

Keep air case tight

CPU Compatibility

Avoid Over Clocking

Match PGA to Socket (ZIF) and SEC to Slot