EXPERIMENT 1	DISMANTLING AND IDENTIFYING COMPUTER HARDWARE UNITS (SMPS, MOTHERBOARD, STORAGE DRIVES, INTERFACE CARDS, CABLES).
Date:	

AIM

To dismantle a desktop computer system and identify major internal hardware units (**SMPS, motherboard, storage drives, interface cards, cables**).

REQUIREMENTS

1. Desktop PC (working or non-working)
2. Phillips screwdriver
3. Flat-head screwdriver
4. Anti-static wrist strap
5. Labels/marker for cables
6. Blower or soft brush
7. Clean working table
8. Container for holding screws
9. Torch/flashlight

PROCEDURE / PROGRAM

1. Power off the PC and unplug from mains
2. Press the power button for 5-10 seconds to discharge residual power.
3. Wear anti-static strap
4. Open side panel with screwdriver.
5. Identify and note location of: SMPS, motherboard, RAM, CPU+fan, RAM, storage drives (HDD/SSD), interface cards, SATA cables.
6. Disconnect power and SATA cables (label them).
7. Remove RAM, interface cards, drives, and SMPS carefully.
8. Reassemble components back in correct slots and reconnect cables.
9. Close case, plug in, power on and test.

SAMPLE OUTPUT

Before dismantle Output



Dismantle Identifying Computer Hardware Units Output



Figure 1: cases



Figure 2: Motherboard



Figure 3: SMPS



Figure 4: Storage device



Figure 5: interface cards



Figure 6: cables

Reassemble and Identifying Computer Hardware Units Output



Figure 7: Computer Hardware Unit

RESULT

The experiment of dismantle a desktop computer system and identify major internal hardware units (SMPS, motherboard, storage drives, interface cards, cables), was executed successfully and output verified.