

## **Assignment module 2 : Installation and Maintenance of Hardware and Its**

### **Section 1: Multiple Choice**

1. Which of the following precautions should be taken before working on computer hardware?

**Answer:- b) Wear an anti-static wrist strap to prevent damage from electrostatic discharge.**

2. What is the purpose of thermal paste during CPU installation?

**Answer: -c) To improve thermal conductivity between the CPU and the heat sink.**

3. Which tool is used to measure the output voltage of a power supply unit (PSU)?

**Answer:- a) Multimeter**

4. Which component is responsible for storing BIOS settings, such as date and time, even when the computer is powered off?

**Answer:- a) CMOS battery**

## **2. Section 2: True and False**

5. True or False: When installing a new hard drive, it is essential to format it before use.

**Answer :- True**

6. True or False: A POST (Power-On Self-Test) error indicates a problem with the CPU.

**Answer:- False**

7. True or False: It is safe to remove a USB flash drive from a computer without ejecting it first.

**Answer :- False**

## **Section 3: Short Answer**

**8. Describe the steps involved in installing a new graphics card in a desktop computer.**

- **Check compatibility**

Before you buy a new graphics card, you need to check if it's compatible with your PC's motherboard, power supply, and case.

- **Prepare your PC**

Once you have a compatible graphics card, you need to prepare your PC for the installation. First, back up your important files and data in case something goes wrong.

Then, uninstall the drivers of your old graphics card from your computer.

- **Remove the old graphics card**

To remove the old graphics card in your PC. That is longest Slot and near CPU. You need to unscrew or unclip the graphic card from the case and then Pull out.

- **Install the new graphics card**

To install the new graphics card in the graphics card slot on the motherboard. You need to screw or clip the graphic card from the case and then Push in . then after connect the require cable with Motherboard.

- **Install the drivers**

Install require driver for new graphic card to use. One you have install the driver then restart your PC. And last check graphic card work properly. You can use various tools and software to monitor your graphics card's temperature, speed, and usage.

## **9. What is RAID, and what are some common RAID configurations?**