MODULE - 2

Section 1: Multiple Choice

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

2. d) to prevent the cpu from overheating

3. a) Multimeter

4. a) CMOS battery

Section 2: True or False

5. True

6. True

7. False

Section 3: Short Answer

8. Steps to Install a New Graphics Card:

    1. Power Off & Unplug the computer.
    2. Discharge Static (use an anti-static wrist strap).
    3. Open the Case and locate the PCIe x16 slot.
    4. Remove Old GPU (if applicable).
    5. Insert New GPU into the PCIe slot.

9. RAID & Common Configurations:

RAID (Redundant Array of Independent Disks) improves performance, redundancy, or both using multiple drives.

- Raid 0 -> RAID 0, also known as disk striping
- Raid 1 -> RAID 1, also known as disk mirroring,It's a good option for users who need basic data protection and high availability
- Raid 5 -> It's a redundant array of independent disks (RAID) method that's commonly used for data protection and performance .
- Raid 6 ->RAID 6, or double-parity RAID.

Section 4: Practical Application

10. 1. Poweroff unplug the computer
2. Remove the case
3. Carefully remove the cpu fan from the motherboard
4. Clean the with alcohol cpu and remove the thermal paste from it
5. Apply new cpu fan on it
6. Make sure it properly sits on it .

Section 5: Essay

11. Prevents overheating -
● Cleaning your computer fan and heat sinks can prevent these dust .

 Improves performance
● Regular maintenance can improve the fast maintenance of the computer

. Detects weak points
● Preventive maintenance can help your data at least once a week .

Reduces system downtimes
● Preventive maintenance can help reduce the number of times your system goes down

 Identifies and resolves issues
● Regular maintenance helps you identify and fix potential problems before they become more serious.