Section 1: Multiple Choice

1. Which of the following is NOT a component of the CPU?
➔ RAM

2. What is the function of RAM in a computer?
➔ Random access memory is a temporary memory of a computer. when suddenly power off the ram memory data will be erase . ram works faster than secondary storage because it is located nearby CPU, so it is easy to transfer data to the CPU.

3. Which of the following is a primary storage device?
➔ HDD, SSD
   1 and 2 both

4. What is the purpose of a GPU?
➔ GPU is used for graphics containing operations like video animations etc. and its used also for GPU provides smooth visual performance on computer.

Section 2: True or False

1. The motherboard is the main circuit board of a computer where other components are attached.
➔ True

2. A UPS (Uninterruptible Power Supply) is a hardware device that provides emergency power to a load when the input power source fails.
➔ True

3. An expansion card is a circuit board that enhances the functionality of a component.
➔ True

Section 3: Short Answer

1. Explain the difference between HDD and SSD

HDD

➜ HDD (Hard Disk Drive)
➜ It is slower than SSD.
➜ It has a cheaper price than SSD.
➜ It consumes more power than SSD.

SSD

➜ SSD (Solid Disk Drive)
➜ It is faster than HDD.
➜ It is more expensive than SSD.
➜ It consumes low power.

2. Describe the function of BIOS in a computer system.

➜ Bios remember all your internal components and if the change is there the bios inform us.
➜ Post (power on self-test): - check all computer components.
➜ It locates the OS from primary storage units and loads it.

3. List and briefly explain three input devices commonly used with computers

➜ Keyboard: - keyboard is an input unit, it is use for inputting text, numbers etc.

➜ Mouse: - mouse is an input unit of a computer, it is used for taking actions like click select etc. it works as a pointer in computer screen, its used for scrolling also.

➜ Scanner: - scanner is used for scanning a physical paper or something and it gives the computer digitally for customizing it or printing it.

Section 4: Practical Application

1. Identify and label the following components on a diagram of a motherboard:

➔ CPU
➔ RAM slots
➔ SATA connectors
➔ PCI-E slot

(Done)

2. Demonstrate how to install an RAM module onto a computer.

(Done)