ASSIGNMENT

## Understanding hardware and its components

# Section 1: multiple choice

1: which of the following is NOT a component of CPU?

answer:- 1and 3 Both (ALU OR CU)

2: what is the function of ram in a computer?

Answer:-a ram function in a computer is,,, to store data safely or manage data properly.

3:which of the following is a primary storage device?

Answer:-1or2 Both (HDD or SSD)

4:-what is the purpose of a GPU?

Answer:-purpose of a GPU is…..its helps you in your gaming skill,GPU helps in gaming its play games more smoothly without lag or hang.so that’s the purpose of GPU.

Section:2 TRUE OR FALSE

5:the motherboard is the main circuit board of a computer where other components are attached.

Answer:-TRUE

6:- A UPS (uninterruptible power supply) is a hardware device that provides emergency power to a load when the input power source fails.

Answer:-TRUE

7:-AN expansion card is a circuit board that enhance the functionality of a components.

Answer:-TRUE

# SECTION 3:-SHORT ANSWER

8:-explained the difference between HHD OR SSD

Answer:-  SSDs store data in flash memory, while HDDs store data in magnetic disks.

9:-describe the function of BIOS in a computer system

Answer:- BIOS identifies, configures, tests and connects computer hardware to the OS immediately after a computer is turned on. The combination of these steps is called the boot process. These tasks are each carried out by BIOS' four main functions: Power-on self-test (POST).

10:three commonly used device in a computer?

Answer:- 1-keyboard,2-mouse,3-moniter

SECTION 4:- PRACTICAL APPLICATION

11:identify and Label the following commponents in a diagram of a motherboard.

Answer:-\*CPU-done in LAB

\*Ram slots-done in LAB

\*SATA connectors –done in LAB

12:-Demonstrate how to install a RAM module into a computer.

Answer:-done in LAB

Section 5:ESSAY

13:-Discuss the importance of proper cooling mechanisms in a computer system .include examples of cooling methods and their effectiveness.

\*----

A cooling mechanisms in a computer is very effective on computer heating problems. this cooling mechanisms try to cool computer parts.

\*----example

Sometimes we play games or we observe that our phone, computer ,laptops are too heat.

This mechanisms control that heats or cooled computer system.

So that’s the discussion on “importance of a proper colling mechanisms in computer system.”

14:-Explain the concept of bus width and significance in computer architecture

* A group of Wire which carries the signal from one components to other components on the motherboard is called busses.
* Busses inter connect the motherboard components together to make the communication with each other.