Assignment

Section II:- 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?

- The Ram use to stores data it needs to retrieve quickly and ram data store easily.

3 which of the following is a primary Storage device?

- SSD - Solid State Drive.
- HDD

4 what is the purpose of a GPU?

- The GPU purpose is helps your computer process graphics related tasks rendering images, videos, and animations.

Section :- 2 True or False

5) The Motheor boaord is the main circuit boaord of a computeor whereo othet components are attached.

- True.

6) A UPS is a hardware device that Provides emoreney power to a load when the input power source fails.

- False.

7) An expansion cuord is a circuit board that enhanees the fynetionelity of a component.

- True

Section : 3: Short Answers

8]. Explain the difference between HDD and SSD.

HDD	SSD
-HDD- Hard disk drive.	-SSD - Solid state drive.
-HDD Contains moving Mechanical Parts.	-SSD does not contains, Mechanical Part.
-HDD is larger in size.	-SSD is more compact in size.
-HDD is heavier in weight.	-SSD is lighter in weight.
-HDD is cheaper.	-SSD is costly.

9]. Describe the function of BIOS in a Computer System.

- The BIOS Instructs the Computer on how to perform basic functions like booting and keyboard control.

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

1). Web Cam :-

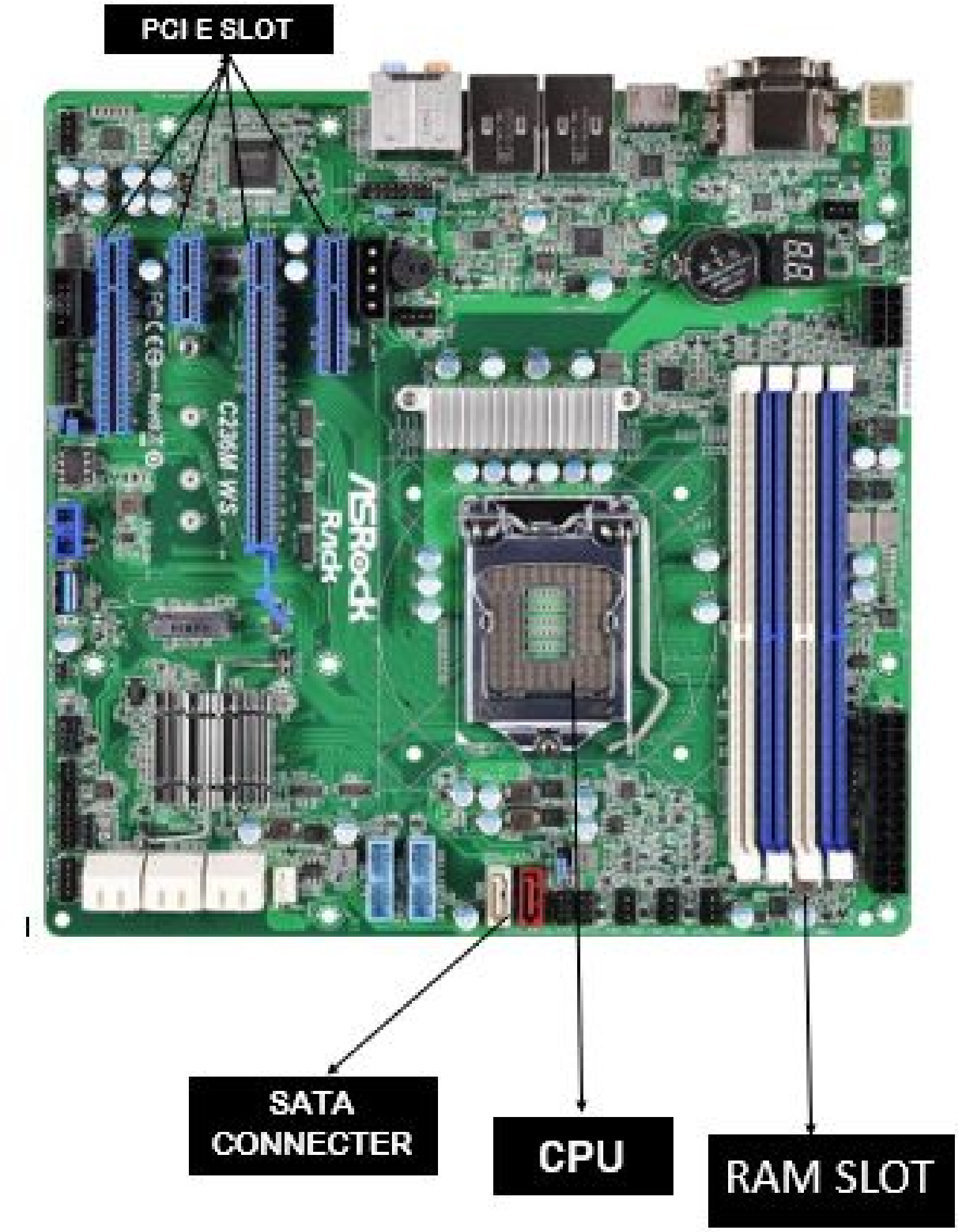
Web can cane take Photos of any object or living thing where the Photo was taken is changed over into advanced Shape and Store in Pc later that images or Picture can be Controlled or altered in Pc with exceptional altering Software.

2) .TouchScreen :-

Touch Screens can show or display and get data on the same screen. Touchscreen use to Touch to fingers to output on screen. touchscreen is also output device.

3) .Scanner :-

The scanner in light of the fact that it utilizes two sorts of Strategies laser and contact which utilizes light emission on the record or Papers and after the measure the light to get estimation or value of the picture or document.


PCI E SLOT
SATA CONNECTER
CPU
RAM SLOT

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

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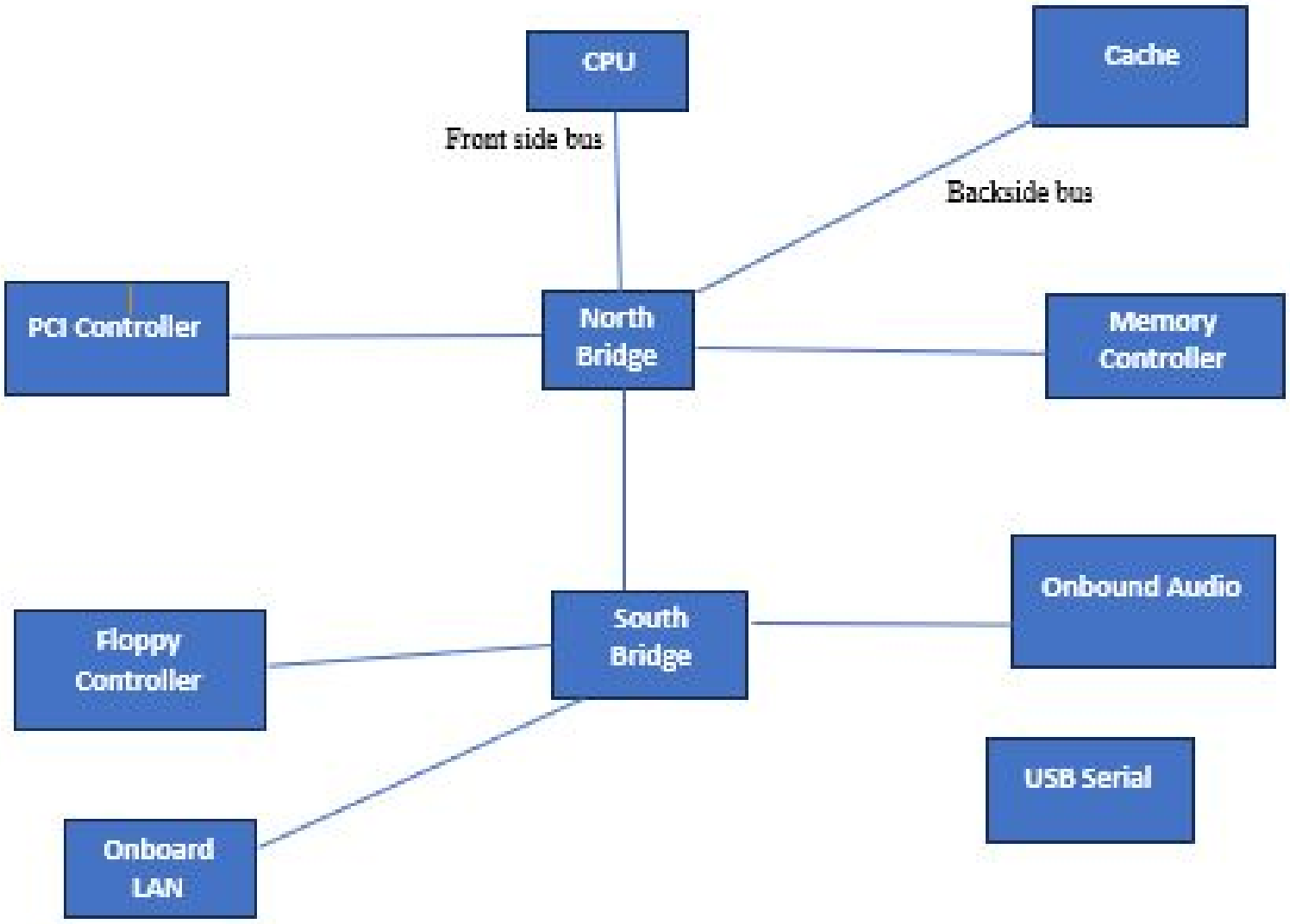
1.Shut down desktop computer.
2.power cable deacive
3.Open the Cpu box
4.ram slor identify
5.open lock
6.insert ram.

13. Discuss the importance of proper cooling mechanisms in a computer.

Ans.
Proper cooling mechanisms are crucial for maintaining the optimal performance and stability of a computer.
They help to keep the components of the system cool, preventing overheating and potential damage to the hardware.
Overheating components can lead to reduced performance, increased noise levels, and potential damage to the hardware.
Cooling helps to maintain the temperature of the components within acceptable limits.
Cooling helps to reduce the amount of energy required to maintain the system at a given temperature, which can be beneficial for power-constrained environments.
Overheating can cause components to fail prematurely,leading to data loss, system crashes, or other issues. Proper cooling helps to extend the life of the computer and its components.

14. Explain the concept of bus width and its significance in computer Architecture.



computer architecture, the bus width determines the size of the data packets that can be processed by the CPU, memory, and other components. A higher bus width allows for faster data transfer and more efficient processing of large amounts of data. However, higher bus width also increases the complexity of the system and requires more hardware resources.