GSA - IT Portion (Maria Parreen)

Q. What are computer Buses? Write down Types of buses and Functions of buses? (5marks)
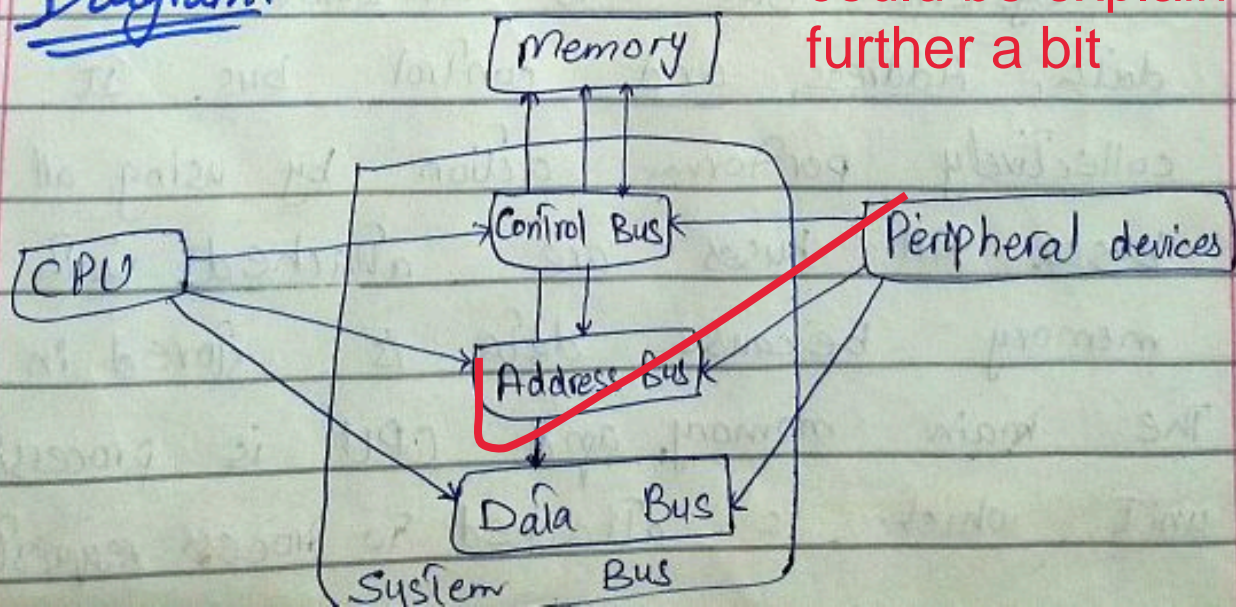
Ans: Computer Buses:

Computer Buses are the part of the computer system, which are used to access data from components of the computer, That can be memory, CPU and peripheral devices (input & output purpose).

Types of Buses:

There are different Types of buses That are used to access data and perform any action on the system.

1. Data Bus
2. Address Bus
3. Control Bus
4. System Bus

Diagram:

Overall good answer!

The definition part could be explained further a bit

Function of Buses:

1- Data Bus:

Data bus is used to access to the data that is stored in the memory. When user ask for a specific data, then data bus give it to memory and if found then memory provide that data to data bus and further it received to user.

2- Address Bus:

Address bus is used to provide address of data that is being asked to get access from memory.

3- Control Bus:

Control Bus is basically used to manage and control the data, which user want to access. It make sure that data is relevant to that user want.

4- System Bus:

System Bus is combination of data, Address, and control bus. It collectively perform action by using all buses. All buses are attached with memory because data is stored in the main memory, and CPU is processing unit which is attached to process request.