

DCO - LAB

Assignment - 1

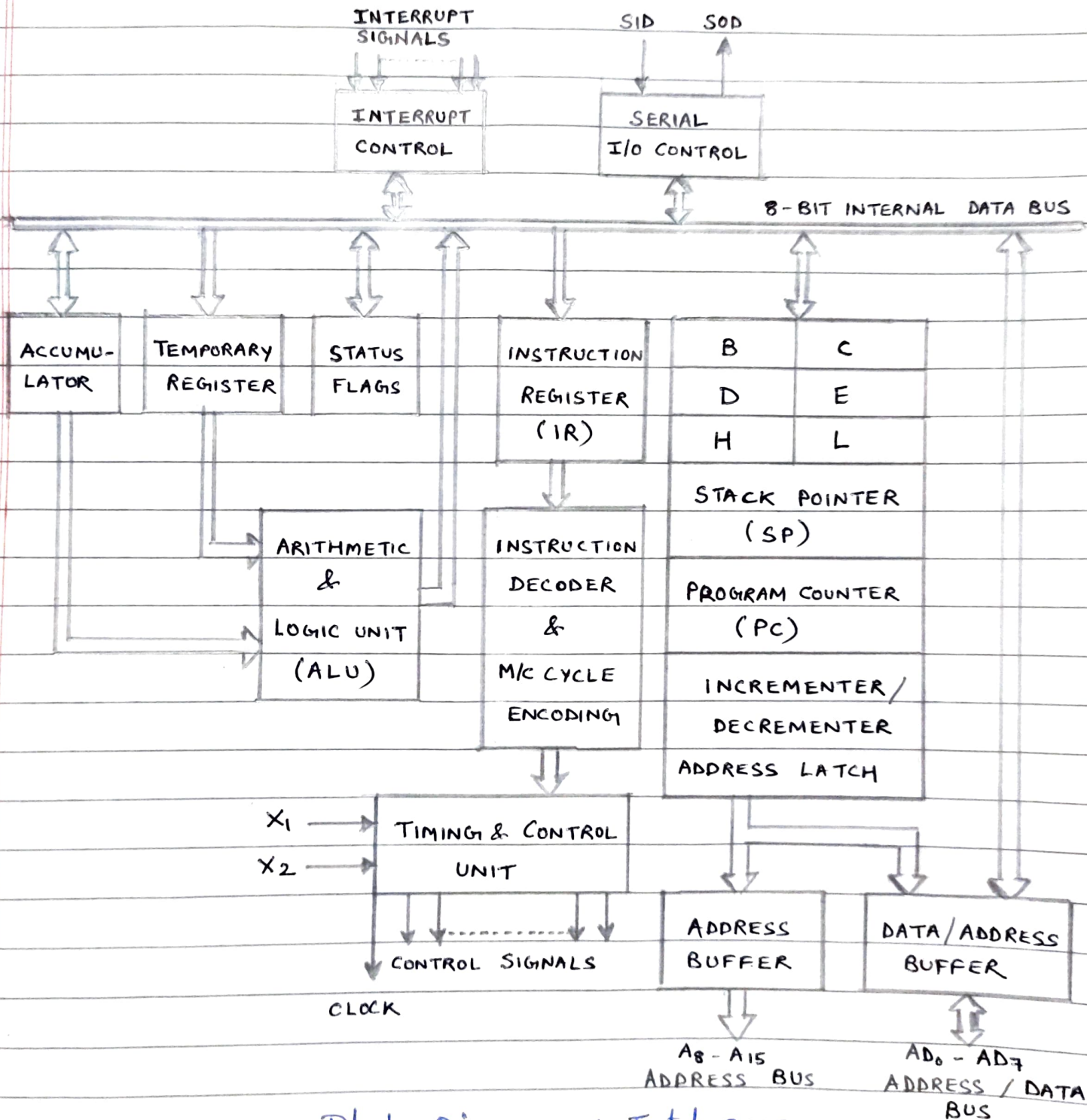
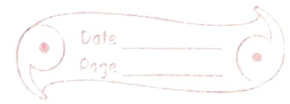


Fig. Block Diagram of Intel 8085

The Architecture of Microprocessor 8085

2) Difference between HDD and SSD.

Ans-	HDD	SSD
	<ul style="list-style-type: none"> • HDD stands for Hard Disk Drive • HDD contains moving mechanical parts, like the arm. • It has higher latency. • It has longer R/W Time. • It has fragmentation • It is heavier in weight • It is larger in size. • It is cheaper per unit storage • Data transfer is sequential. • It is older and more traditional • It supports ^{fewer} I/O operations per second. • HDD is less reliable due to possibility of mechanical failure like head crash and susceptibility to strong magnets. • It can produce noise due to mechanical movements. 	<ul style="list-style-type: none"> • SSD stands for Solid State Drive • SSD doesn't contain, mechanical parts, only electronic parts like ICs • It has lower latency • It has shorter R/W Time • It doesn't have fragmentation • It is lighter in weight • It is more compact in size. • It is costlier per unit storage • Data transfer is Random Access • It is newer to use. • It supports more I/O operations per second. • It is more reliable. • It does not produce noise.