



Subject/ Subject code	Semester/ Branch	Issue Date	Return Date
<b>Fundamental of Microprocessors 01CE0509</b>	<b>5<sup>th</sup> CE</b>	<b>29/07/2024</b>	<b>5/8/2024</b>

### **Assignment 1\_CO1**

<b>Sr. No.</b>	<b>Questions</b>
1.	Sketch the bus structure of 8085 microprocess and explain Data, Address and Control Bus.
2.	How address/data lines AD0 to AD7 are demultiplexed? Draw a logic diagram to generate control signals.
3.	Discuss working of 16 bit registers SP and PC.
4.	Draw the function block diagram of internal architecture of 8085 and explain its working.
5.	Discuss the function of following pins of 8085 $\mu$ p: 1) ALE 2) Ready 3) HOLD 4) S0,S1, IO/M 5) INTR, INTA 6) SID, SOD
6.	Describe following Terms: 1) T-State 2) Machine cycle 3) Instruction Cycle 4) Timing Diagram