Chandigarh Engineering College Landran-CGC, Mohali

Department of Electronics and Communication Engineering

Assignment No.1

Max. Marks: 10

Subject code: BTEC-402-18, Microprocessor and Microcontroller (MPMC)

Semester: 4th

Date on which assignment is given: 09/02/2024

Date of submission of assignment: 16/02/2024

Each question carries 2 marks.

Course Outcomes:

1. Understand architecture & functionalities of different building block of 8085 microprocessor.
2. Understand working of different building blocks of 8051 microcontroller.
3. Comprehend and apply programming aspects of 8051 microcontroller.
4. Interface & interact with different peripherals and devices.

Bloom's Taxonomy Levels

L1 – Remembering, L2 – Understanding, L3 – Applying, L4 – Analyzing, L5 – Evaluating, L6 - Creating

ASSIGNMENT-1

S. No.	Questions	Marks	Relevance to CO	Bloom's Level
1.	Draw the pin diagram of 8085 microprocessor and explain the ALE and Status pins.	2	CO1	L2
2.	In an 8085 system Chip Select logic CS = $A_{15} A'_{14} A_{13} A'_{12}$ is used for 4K RAM. What is the memory range of the system?	2	CO1	L1
3.	Develop a program to arrange the five numbers stored in contiguous memory locations from 2100H to 2104H in ascending order and store the numbers starting from location 2300H.	2	CO1	L6
4.	Compare the various addressing modes of 8085 by taking suitable examples.	2	CO1	L5
5.	Differentiate Microprocessor and Microcontroller.	2	CO2	L4