

UNIVERSITY OF MANAGEMENT & TECHNOLOGY

School of Systems and Technology

Department of Computer Science

Fall Semester 2024

Instructor's Name:	<u>Dr. Syed Baqar Hussain</u>	Subject:	<u>Computer Organization and Assembly Language (V7, V14, V20)</u>
Subject Code:	<u>CS2032</u>	Assignment #:	<u>01 (CLO 1)</u>
Assigning Date:	<u>24-10-2024</u>	Due Date:	<u>28-10-2024</u>
Total Marks:	<u>10</u>	Obtained Marks:	<u> </u>
Student Name:	<u> </u>	Registration #:	<u> </u>

Question # 01 – (CLO1)

(10 marks)

Draw and explain the basic CPU organization (by assuming 8086 microprocessor as a reference CPU).

Note: Other than the course book, students can review content given at the following weblink.

<https://www.geeksforgeeks.org/architecture-of-8086/>