Mid-West University
Examinations Management Office
Final Examinations -2079

Bachelor level/ B.Sc CSIT / 2nd Semester	Full Marks: 60
Time: 3 hours	Pass Marks: 30

Subject: Microprocessor and Assembly programming (COM422)

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

Long Answer Questions (Any Three)   **[3x8=24]**

1) What is Addressing Mode? Explain the types of Addressing Modes in 8085 microprocessors.
2) Explain the 8086 Functional Units.
3) Define Bus. Explain the types of Bus. Difference between a Synchronous and Asynchronous bus.
4) What is Interrupts? Explain the types of 8086 Interrupts.

Group B

Short Answer Questions (Any Five)   **[5x4=20]**

5) Explain Harvard architecture.
6) Draw the block diagram of 8237 DMA controller & explain each component in data.
7) Define Primary Memory. Explain the different type of RAM.
8) Explain the different methods of Parallel Communication.
9) What is Fetch and execution cycle and fetch execution overlap?
10) Explain the Arithmetic group instructions of 8085.

Group C

Very Short Answer Questions   **[8x2=16]**

11) Write the application of Microprocessor?
12) What is Resister transfer language (RTL)?
13) What is Instruction cycle and Machine cycle?
14) Define Restart Instruction used in 8085 Microprocessor.
15) What do you mean by Serial communication?
16) Define types of Assemblers.
17) Give the format of Assembles instructions.
18) Draw the block diagram of 8255 Programmable Peripheral Interface.

THE END