EC6504-Microprocessor and Microcontroller

Assignment-2

PART-A

1. What are advantages of coprocessor?
2. What is meant by loosely coupled configuration? What are the advantages of loosely coupled configuration?
3. What is a Floating point Coprocessor?
4. What is co-processor?
5. On which data types can memory operands operate?
6. What is meant by memory contention? Name some techniques for reducing contentions.
7. What is meant by multiprocessor system?
8. What are the modes in DMA?

PART-B

1. How do you group the instructions of 8087 NDP according to their function? Also name and explain the types of operations that can be performed using instructions in each group.
2. Draw the block diagram of 8089 IOP and explain.
3. Explain the closely coupled configuration of multi-processor configuration with suitable diagram.
4. i) Explain the internal structure of 8087 NDP.
   ii) Explain the maximum mode and minimum mode operation of 8086.