

Most Important Questions

Module 1:

- 8085 microprocessor Architecture and registers
- 8086 microprocessor - Architecture and registers
- Physical Memory organization
- Timing Diagrams
- Comparison of 8086 and 8088

Module 2:

- Addressing Modes of 8086
- Instruction set - different types
- SAR,SHR,ROL,RCL,ROR,RCR, AAA,DAA (important)
- Assembler Directives and operators
- Programs

Module 3:

- Interrupts - Types of Interrupts and Interrupt Service Routine - IVT (Interrupt vector table)
- Programmable Interrupt Controller - 8259 Architecture
- Interfacing Memory with 8086 - problem

Module 4:

- Programmable Peripheral Input/output port 8255 - Architecture
- 8255 modes of operation
- Programmable interval timer 8254-Architecture
- 8254 modes of operation
- DMA controller 8257 Architecture

Module 5:

- 8051 Architecture
- Memory Organization with diagram (128 byte ram and SFR)
- 8051 Addressing Modes
- Instruction Set
- Programs