



Microprocessor

is study of

**8085
Microprocessor**

**8086
Microprocessor**

**Peripheral
Devices**

**Assembly Language
Programming**

has

has

are used for interfacing

includes

Assembler Directives

Addressing Modes

Internal Architecture

Interrupts

includes

Registers

Instruction Decoder

Control Circuitry

Program Counter and Stack Pointer

Arithmetic Group

Machine Control Group

Branch Group

Data Transfer Group

Logical Group

include

Hardware Interrupts

Software Interrupts

Internal Architecture

includes

Execution Unit

Bus Interface Unit

Memory Segmentation

Addressing Modes

Operating Modes

Internal Architecture

are

Minimum Mode

Maximum Mode

are classified as

Machine Control Group

Branch & Control Group

Data Transfer Group

Arithmetic & Logical Group

String Group

Interrupts

include

Hardware Interrupt

Software Interrupt

are classified as

8255 PPI

8253/8254 PIT/C

8259 PIC

8251 USART

8237 DMAC

Indexing

Counting

Looping

Counters

Time Delays

Time Delays