MICROPROCESSOR & INTERFACING (3160712)

MIDSEM EXAM SYLLABUS

UNIT	CONTENT
1	Introduction to Microprocessor, Components of a Microprocessor: Registers, ALU and control & timing, System bus (data, address, and control bus), Microprocessor systems with bus organization
2	Microprocessor Architecture and Operations, Memory, I/O devices, Memory, and I/O operations
3	8085 Microprocessor Architecture, Address, Data and Control Buses, 8085 Pin Functions, Demultiplexing of Buses, Generation of Control Signals, Instruction Cycle, Machine Cycles, T-States, Memory Interfacing
4	Assembly Language Programming Basics, Classification of Instructions, Addressing Modes, 8085 Instruction Set, Instruction and Data Formats, Writing, Assembling & Executing A Program, Debugging the Programs
5	Writing 8085 assembly language programs with decision, making and looping using data transfer, arithmetic, logical and branch instructions