

## 2.13 30326 MICROPROCESSOR

### UNIT-1 INTRODUCTION

- 1.1 Evolution of Microprocessors
- 1.2 Advantages of Microprocessors
- 1.3 Various MPU Families (SSI, LSI, VLSI, SLSI)

### UNIT-2 8085

- 2.1 Introduction
- 2.2 Architecture of 8085
- 2.3 Block and Pin Diagram of 8085 and its functions
- 2.4 BUS Details

### UNIT-3 8085 PROGRAMMING

- 3.1 Instruction formats & Addressing Modes
- 3.2 Instruction Set and its Cycle
- 3.3 Timing Diagrams and Status Signals
- 3.4 Simple Programs

### UNIT-4 8085 INTERFACING

- 4.1 Memory mapping
- 4.2 Interrupts
- 4.3 I/O Peripheral Interfacing

### UNIT-5 16 BIT MICROPROCESSOR

- 5.1 Introduction to 8086
- 5.2 Architecture of 8086
- 5.3 Block and Pin Diagram of 8086 and its functions
- 5.4 BUS Details

### Reference Books:

1. 8085 Microprocessor and its applications by Ramesh Gaonkar, Penram Publishers
2. 8086 Microprocessor by Douglas Hall
3. Advanced Microprocessor and Microcontrollers by N.Parasuraman, N.V.Publications
4. Microprocessors and Interfacing by Douglas V.Hall and Hepper, K.M, Tata McGraw-Hill
5. Advanced Microprocessors & Peripherals by Dr. Ajoy Kumar Ray and K.M.Burchandi, Tata McGraw-Hill