

Introduction to Microprocessors and Organization of 8085

Probable marks : 21

Scope of the syllabus :-

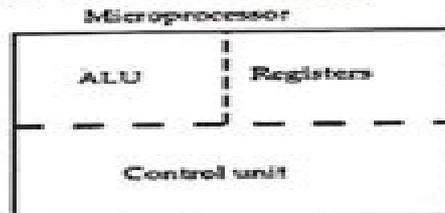
- Evolution of microprocessors.
- What is microprocessor ?
- Block diagram of generic microprocessor and study of various blocks in it.
- Block diagram of 8085 microprocessor.
- Study of various blocks and functions of various pins in 8085 microprocessor.

[March 2017]

Q.1 What is microprocessor ? List its functions.

Ans. :

- 1) Microprocessor is a semiconductor, multipurpose, programmable logic device that reads binary instructions from a storage device called memory, accepts binary data as input and processes data according to the instructions and provides result as output.
- 2) The electronic logic circuits in microprocessor are capable of performing various computing functions and making decisions to change the sequence of program execution.
- 3) Microprocessor can also be viewed as an integrated circuit, that contains processing capabilities of large computers.
- 4) A microprocessor can be roughly divided into three parts :



1. Arithmetic and logic unit (ALU)
2. Registers
3. Control unit

A.L.U is arithmetic and logic unit, where arithmetical and logical operations are carried out. Registers are primarily used to store data temporarily during execution of program. Control unit provides timing and control signals to the whole system. It also controls flow of data.

- 5) The functions of microprocessor are given below :
 - a) To fetch, decode and execute instructions.

Chapter 2 Solution Of 8085 Microprocessor

Liying Dong



Chapter 2 Solution Of 8085 Microprocessor:

Unveiling the Magic of Words: A Overview of "**Chapter 2 Solution Of 8085 Microprocessor**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is truly awe-inspiring. Enter the realm of "**Chapter 2 Solution Of 8085 Microprocessor**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book is central themes, examine its distinctive writing style, and assess its profound impact on the souls of its readers.

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