

Introduction to Microprocessors and Organization of 8085

Probable marks : 21

Scope of the syllabus :-

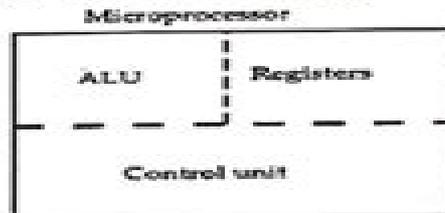
- Evolution of microprocessors.
- What is microprocessor ?
- Block diagram of generic microprocessor and study of various blocks in it.
- Block diagram of 8085 microprocessor.
- Study of various blocks and functions of various pins in 8085 microprocessor.

[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

DJ Losen



Chapter 2 Solution Of 8085 Microprocessor:

Enjoying the Beat of Appearance: An Emotional Symphony within **Chapter 2 Solution Of 8085 Microprocessor**

In some sort of taken by monitors and the ceaseless chatter of immediate connection, the melodic splendor and emotional symphony created by the written term frequently diminish into the background, eclipsed by the persistent sound and disruptions that permeate our lives. However, set within the pages of **Chapter 2 Solution Of 8085 Microprocessor** a marvelous fictional prize brimming with natural feelings, lies an immersive symphony waiting to be embraced. Constructed by an elegant musician of language, that captivating masterpiece conducts viewers on a mental journey, skillfully unraveling the concealed tunes and profound impact resonating within each cautiously crafted phrase. Within the depths with this emotional assessment, we will explore the book is key harmonies, analyze their enthralling writing style, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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