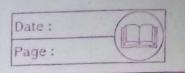
UNIT 2 8085 Microprocessor ch-1 Explain Bus organization of 2085 dep 9 Explain Bus structure of 8085 Off AddressBus A15- A8 8085 Memory I/o Device perio D7- D0 DateiBus The 8085 Microprocessor consist three types of Bues as given Below. (1) Address Bus Date Bus contral Bus. (1) Address Bus: -Address Bus is Unidigectional which is I/o Port address.



The address Bus also determines the total Amount of Memory accessed

By the Microprocession

. 8085 Up consist 16 Bit Address Brs.

216 = 64 KB.

2) Data Brs :-

Bus is 8 Bit.

the function of Data Bus It is carries

8 Bit Data which is transfer Between

the microprocessor and Memory or

I/O Device.

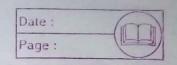
3) contral Bus:-

control Bus consist various signals

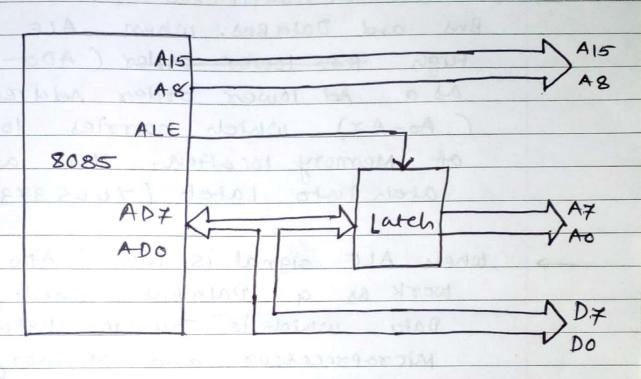
UKE Synchronization signals which
is acts as an Hand shake signals

Bet ween the Microproceessor and

I/o Device.



* De Explain Demutiplexing Montiplexed Address Bus and Dateisus.



The Multiplexed Address Bus and Data Bus

ADZ - ADO 15 used to transfer

Duta and Address Bath.

when ever Microprocessor Perform the

Memory Read or write operation

we Required Memory location which is

specified By 16 Bit address. this

address carries Address Bus.

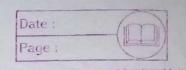
The Higher Byte of Address ownilosie

through Higher order Address Bus

(A15-A8), and lower Byte of address

available through lower order Address Bus

(AD4-AD0)



But lower order Address Bus and DataBus Multiplexed. (ADY-ADD) (ADY-ADD)

we need demnttiplexed lower order Address

Bus and Data Bus. when ALE signal is

High the lower order (ADO-AD7) work

as a Ad lower order Address Bus

(Ao-A7) which carries lower Byte

ob Memory Location. that address

Latch into Latch (74LS 373)

when ALE signal is low (ADO-AD7)

work as a Data Bus which carries

Data which is Transfer Between

Microprocessor and Memory Device

oughbours through lover order addresses

