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Explain the role of two DMA signals in 8085.

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P.T.O.

the instruction that follows:

LHLD 2000 STAXB

instructions are executed? What is the output at PORT1 when following

MVIA, 8FH

ADI 72H

JC DISPLAY

HI

OUT PORT1

XRA A

DISPLAY: OUT PORT1

to display the answer at the output port-port 1. the two hexadecimal numbers 3AH and 48H and Write a program using the ADI instruction to add H

Draw the control word format for different modes

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Explain what operation is performed by each of

Ξ Explain the role of program Counter in 8085.

Explain the Flag register of 8086 microprocessor.

Section-B

Attempt any five of the following:

(5×10=50)

Q2. Draw and Explain the architecture of 8085.

Explain Data transfer instructions of 8085 in detail

Q4. Explain the Interrupts of 8085

 A set of three packed BCD numbers are stored in memory is reserved at XX90H. memory location starting at XX70H and output buffer of digits 0 to 9 for common cathode LED are stored in location starting at XX50H. The seven segment codes

appropriate seven segment code for each digit. The code LEDCOD to unpack BCD numbers and select an should be stored in output buffer memory. WAP & two subroutines called UNPAK and

Q, Explain various functions performed by microprocessor.

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A mempt any two questions from this section.

What do you mean by DMA? Explain its modes. starting from 2000H into ASCII character. Place the result in five memory locations starting from 2200H. WAP to convert the content of 5 memory locations and display the no. at one of the output ports. Write a program to count continuouly in hexadecimal Use register C to set a one ms delay between each count from FFH to 00H in a system with a 0.5 µ s clock period Section-C

Ogn. Draw and explain the architecture of 8086. Also, explain the concept of physical address generation.

Explain the block diagram of 8259 and also draw a neat interfacing diagram.

Explain the logic devices for interfacing. Design a microprocessor system for 8085 MPU such that it should contain 4K byte of EPROM and 2K byte of RAM using two 2K byte EPROM and two 1K byte RAM. Draw the complete interfacing diagram. (15×2=30) Elle Fill all Keit Colf

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