

MANN FIRST Ranker Colf

- (h) Draw the control word format for different modes of 8225.
- Ξ Explain the role of program Counter in 8085
- (j) 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

Q3. Explain Data transfer instructions of 8085 in detail.

Q4. Explain the Interrupts of 8085

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

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

Q6. Explain various functions performed by microprocessor.

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Q 2. Explain the block diagram of 8259 and also draw a neat

ww.FirstRanker.cor WAP to convert the content of 5 memory locations

and display the no. at one of the output ports. from FFH to 00H in a system with a 0.5μ s clock period. Use register C to set a one ms delay between each count Write a program to count continuouly in hexadecimal

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.

Section-C

A gempt any two questions from this section. $(15\times2=30)$ Q 0. Draw and explain the architecture of 8086. Also, explain the concept of physical address generation.

QE. Explain the logic devices for interfacing. Design a should contain 4K byte of EPROM and 2K byte of RAM microprocessor system for 8085 MPU such that it the complete interfacing diagram. using two 2K byte EPROM and two 1K byte RAM. Draw

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