Unit - III

3.	a)	Explain macros and subroutines. (8)
	b)	Explain the interrupt structure of 8085 MPU with suitable diagram. Also classify
		the different types of interrupts available with 8085 MPU. (8)
		OR
3.	a)	Explain the instructions SIM and RIM and illustrate how to use them for 8085
		interrupts. (8)
	b)	Write short notes on 8259 interrupt controller. (8)
		Unit - IV
4.	a)	Write short note on DMA controller 8257. (8)
	b)	Design a square wave generator with a pulse width of $100 \mu s$ by using 8054 timer. Set the timer in mode 3. The clock frequency is 3 MHz (8)
		OR O
4.	a)	Draw the command word and mode word format of 8251 USART. Also explain its transmitter and receiver section. (8)
	b)	i) Write short note on Rs 232 c bus standards. (4)
		ii) Compare Rs 422 A and Rs 423 A serial data standards. (4)
		Unit - V
5.	Wri	te short notes on
	i)	Memory segmentation in 8086 Personancian C208 to again (iii
	ii)	Flags of 8086 creatizers old ammapped programme (vi
	iii)	Block diagram of 8086
	iv)	Comparative study of 8086 and 8088 (16)
	90010	1. a) Explain through block diagram $\mathbf{g}_{\mathbf{O}}$ imilarities and difference in micro
5.	a)	write short notes on:-
	neren	i) Dual core processor
		ii) Features of pentium processor. (8)
	b)	Explain the various data types supported by MMX architecture. (8)