ICS 3111: MICROPROCESSORS

CAT 2 TAKE AWAY

1.	Write a BSR control word to set bits PC7 and PC0 and to reset them after 1 1-second delay.		
	Include an assembly language program to perform the above task.	4marks	
2.	Write down the mode 0 control words for the following two cases: (a) Port A = Input port, Port B		
	= not used, Port CU = Input port and Port CL = Output port. (b) Port A = Output port, Port B =		
	Input port, Port C = Output port	2marks	
3.	Draw the Interrupt Acknowledge cycles for (a) RST instruction (b) CALL instruction	8marks	
4.	Show how the MEMR and MEMW signals are derived from IO/ M , RD and WR signals	WR signals of PP	
	8085	2marks	
5.	Design a memory having size 16k × 8 from 4k × 4 memory modules	4marks	