The LNMIIT Microprocessor and Interface ECE331-MICROI

End Semester Exam

	. Manage the time properly.	Marks: 100
	. Use keywords rather than giving general descriptions.	Time: 3 hours
3.	. Draw diagrams, flowcharts, etc. wherever required.	Date: 28/11/2018
Q1. Exp	plain the following with the help of examples	10
2)	Status Manipulation Instructions	
c)	Miscellaneous Instructions	
Q2. Dr	raw the timing Diagram of the following Instruction	20
	a) IP 8550 (consider both states) full false b) CNZ 9001 (if true)	
	c) STAX rp	
	d) DAA	
03.1	Drow the state tensities discuss and contain	15
QS. I	Draw the state transition diagram and explain	
	a) HOLD and HLDA signals	
	b) Thold, Twait and Treset c) Interrupt handling	
1	d) HALT	
04	I. How to eliminate the speed related incompatibilities, explain it with the	help of read access and
	ite access diagrams.	10
		20
ŲS	5. Explain the following:	20
	a) 16 x 2 LCD display and 7 segment	
	b) 8253 PIT	
	c) 8259 PIC d) Application of Addressing modes and Relative addressing	
Q	6. Draw and explain:	15
	a) Mode 1 of 8255 ^{Q(>}	
Marie	b) Mode 2 of 8255	,
	c) DMA based Data Transfer	
	d) Software and hardware polling	
	Q7. Explain the Hardware interrupt with the help of a diagram. Also discus	s how microprocessor
-	executes hardware and software interrupts.	10