	Ha	II Ticket Number :]											
l		de: 4G263	<u> </u>	<u>]</u>	I					<u> </u>]	R-14	4
	CUL	III B.Tech. II Se	eme	ster	Sup	ple	mer	ntary	/ Exc	amir	natio	ons	Octol		
					•	•					ontro				
			(El€	ectri	cal	and	Elec	tron	ics E	ngir	neeri	ng)		Time e v O I	1
	IVIC	ax. Marks: 70 Answer all five uni	ts by	cho	osin	g on		estio *****	n froi	m ec	ach u	unit (5 x 14	Time: 3 H = 70 Marks	
						U	NIT–	l							
1.	Explain the function of the following instructions with suitable examples.														
	DAA, DAS, AAM, AAD, XLAT, AAS, RET OR														
2.		With a neat sketch explain in detail the internal architecture of 8086 microprocessor.													
	UNIT–II														
3.	,														
	b)	Differentiate betwee	en me	emor	y ma	pped			O ma	appe	d I/O).			
4	OR														
4.	a) Draw and discuss the architecture of 8257 DMA controller?b) What is the advantage of DMA Controlled data transfer over interrupt driven data transfer?													for2	
	b)		age o		AUU	muoi	ieu u		ansie			enup	t unver	1 Uala liansi	
						U	νιτ-ι	II							
5.	a)	What is basic structure of SRAM and DRAM.?													
	b)	What is the need of	DM/	A and	l exp	lain i	t.								
							0	R							
6.	a)	Differentiate SRAM													
	b)	Explain the archited	ture	of 82	57.										
							NIT-I	V							
7.	a)	Distinguish betweer	n svn	chro	nous				ous	data	form	ats?			
	b)												from a port	t line	
	,	using software routine?													
							0	R							
8.		Explain the block di	agra	m an	d the	func	tions	of ea	ach b	lock	of the	825	1 USA	RT	
a	9. a) Explain the Addressing modes of 8051 microcontroller.														
0.	b)	Explain the function of stack pointer in 8051 microcontroller?													
			OR												
10.	a)	Write and explain th	ne dif	feren	ices	of be	twee	n mic	ropro	cess	sors a	and n	nicroco	ntrollers	

b) List the features of ARM microcontrollers.
