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Que	estion Paper Co	de: 40964	
Ele EC 6504 – N	ch. DEGREE EXAMINAT Fourth/Fifth Sem ctronics and Communicat MICROPROCESSOR ANI cal Engineering/Compute Electronics/Information (Regulations 20	tester tion Engineering O MICROCONTROLLE or Science and Engineeri Technology)	rmC (e, Et
Time: Three Hours		Maximum	: 100 Marks
	Answer ALL ques	tions	
Table 1	PART – A		=20 Marks)
1. Define stack pointe	r. million masquere		
2. List the various add	dressing modes of 8086.		
3. List two differences of 8086.	s between maximum mode	and minimum mode confi	guration
4. What is meant by n	multiprogramming?		
5. Give the various me	odes of 8254 timer.		
6. Write a 16-bit delay	y program in 8086.		
7. Draw the pin diagr	ram of 8051.		
8. What are bit manip	pulation instructions? Give	two examples.	
9. What are the types	s of sensors used for interfac	eing?	
10. Give the priority le	evel of the interrupt sources	in 8051.	
	PART – B	(5×18	3=65 Marks)
11. a) Draw and expla	in the architecture of 8086 (OR)	with neat diagram.	(13)
b) Explain in detail of 8086.	il about the interrupts and	interrupt service routines	(13)

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12. a	Discuss the maximum mode configuration of 8086 with a neat diagram. Mention the functions of various signals.	(13)
b	(OR) Discuss about the multiprocessor configurations of 8086.	(10)
		(13)
15. a,	Draw the block diagram and explain the operations of USART. (OR)	(13)
b)	Explain in detail about DMA controller.	(13)
14. a)	Explain the architecture of 8051 with a neat diagram. (OR)	(13)
b)	Discuss on the different addressing modes of 8051 with suitable examples.	(13)
15. a)	Describe the different modes of operation of timers/counters in 8051 with its	
	associated registers.	(13)
1.1	(OR)	
D)	Draw the diagram to interface a stepper motor with 8051 microcontroller and write an ALP to run the stepper motor in both forward and reverse direction with delay.	d (13)
	tempflore about emments and about more recovered accommission of the	(10)
	PART – C (1×15=15 Ma	ırks)
16. a)	Draw and explain the block diagram of alarm controller. (OR)	(15)
b)	Draw the block diagram of traffic light control system using 8086. Write the algorithm and ALP for traffic light control system.	(15)
	Doew the pin diagram of 8000.	
	What are his acceptable on the contract by two remains	