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	Question Pape	er Code: 100	78
	MEANT-L DECREE BY	AMINATIONS ADD	II ALAY 0000
	M.E./M.Tech. DEGREE EX		III/WA1 2025.
		Elective	
	Applie	ed Electronics	
A	4008 – ADVANCED MICROPRO ARCH	OCESSORS AND MI	ICROCONTROLLERS
	(Regu	lations 2021)	
Time	: Three hours		Maximum: 100 mark
	Answer	ALL questions.	
	PART A —	(10 × 2 = 20 marks)	
1.	What is the need for instruction p	pipelining?	
3. 4. 5.	Mention the benefits of having R Write any two salient features of What is meant by Multitasking? Write the addressing modes of A	Pentium processor.	om
6.	Write the need for thumb instruc	C VEI - O'THINK	
7.	List the various types of timers in MSP430 processor.		
8.	Write the functions of stack pointer and status register.		
9.	Mention the timer modes and in PIC controller.		
10.	What is the role of watch Dog tim	ner?	
	PART B —	$(5 \times 13 = 65 \text{ marks})$	
11.	(a) Explain virtual address mand neat sketches.	apping using pages	with necessary example (13
		Or	
	(b) Taking suitable examples, put efficiency of a processor		
			(10

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