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SNS College of Technology, Coimbatore-35.

(Autonomous)

B.E/B.Tech Internal Assessment -I

Academic Year 2022-2023(Even)

Fourth Semester

Computer Science and Engineering

19ECT221 – Microprocessors and Microcontrollers

B

Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

			CO	Blooms	
1.		List the applications of 8085 Microprocessor.	CO1	Rem	
2.		Interpret the flag formats of 8085.	CO1	Und	
3.		Define EU of 8086 Microprocessor.	CO1	Rem	
4.		Outline the Pin diagram of 8255.	CO2	Und	
5.		Compare Memory interfacing with I/O interfacing.	CO2	Und	
PART – B (2 x 13 = 26 Marks) (1 x 14 = 14 Marks)					
			CO	Blooms	
6.	(a)	Explain the architecture of 8085 architecture.	13	CO1	Und
		(or)			
	(b)	(i) What is an interrupt and explain the different types of interrupts in 8085?	7	CO1	Und
		(ii) Outline the Pin Diagram of 8085 Microprocessor.	6		
7.	(a)	Illustrate the concept of 8086 Microprocessor with its neat block diagram.	13	CO1	Und
		(or)			

	(b)	Summarize the different types of Instruction Set in 8086 Microprocessor.	13	CO1	Ana
8.	(a)	Analyze how 8085 Microprocessor is interfaced with Memory & Input/Output	14	CO2	Ana
		(or)			
	(b)	Apply the interfacing concept of Serial Communication to 8085 Microprocessor.	14	CO2	App

Abbreviations:

CO – Course Outcomes; **Rem** - Remembering; **Und** – Understanding; **App** – Applying; **Ana** – Analyzing; **Eva** – Evaluating; **Cre** - Creating