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ECE 2024-25 PYQP

ECE ODD SEM 2024-25 PYQP

2025-12-17

MICROPROCESSORS AND MICROCONTROLLE

Department of Electronics and Communication Engineering

SRM UNIVERSITY A.P

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SRM UNIVERSITY – AP, ANDHRA PRADESH

End Term Examination, Dec 2025

[Question Paper ID: 010707]

Subject	: MICROPROCESSORS AND MICROCONTROLLERS	Subject	: ECE 303
Title		Code	
Batch	: 2023	Max Marks	: 50
Degree	: B.Tech.	Duration	: 2 hours
Branch	: ECE	QP Set	: 1

Answer Any Five Questions ($5 \times 10 = 50$ Marks)

Answer **any 5** Questions

		Marks	CO	BL
1.	Draw the timing diagram for Memory Read and Memory Write operations for the 8086 microprocessor	10	1	4
2.	Design an circuit diagram to display number “010” using seven segment displays and 8051 chip. Give the truth table and program using the developed logic	10	4	6
3.	Develop a flowchart and write an ALP using 8086 to add the first 10 odd numbers.	10	2	3
4.	List and explain the addressing modes of the 8051 microcontroller. with any two examples each	10	2	2
5.	With a neat diagram, explain the functionality of the Programmable Peripheral Interface (PPI).	10	3	4
6.	Interface three $8K \times 8$ RAM chips (6264) and three $8K \times 8$ ROM chips (also 6266) with the 8086 microprocessor. With a neat sketch. Provide the complete address mapping for each RAM and ROM chip.	10	3	5

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