Name:	W UPES
Enrolment No:	UNIVERSITY OF TOMORROW

UPES

End Semester Examination, Decmber 2024

Nos. of page(s) : 01

Instructions: NA

SECTION A

	Answer all questions		
S. No.		Marks	CO
Q 1	Illustrate the Buses and its type of Microcontroller	4	CO3
Q 2	Enumerate the Flag Register of AVR Microcontroller	4	CO1
Q 3	Compute the Following operation and write the status of flag register of 8085 (A) 10110001 AND 01100011 (B) 10110001 OR 01100011	4	CO2
Q 4	Contrast between the Microprocessor and Microcontroller	4	CO3
Q 5	Classify the Type of Microcontroller	4	CO2
	SECTION B	1	1
	Answer all questions		
Q 7	Interface the ATMEGA with Seven Segment Display.	10	CO4
Q 8	Summaries the various application of embedded system.	10	CO3
Q9	Describe the Architecture of ARM Microcontroller	10	CO1
Q 10	Write short notes on Program Counter, Memory , Accumulator and Registers for AVR microcontroller. OR Enumerate the Embedded Systems with the help of the block diagram.	10	CO1
	SECTION C		
	Answer all question		
Q 11	Depict the Speed control of DC Motor using ATMEGA	20	CO4
Q12	Detail about Real Time Operating System (RTOS) with the help of block diagram. OR Explain the Architecture of kernel	20	CO2