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SNS College of Technology, Coimbatore-35.  
(An Autonomous Institution)

B

B.E Internal Assessment -I  
Academic Year 2022-2023(Even Semester)  
Fourth Semester

Electronics & Communication Engineering  
19ECB211 – Microcontroller Programming & Interfacing

Time: 1<sup>1/2</sup> Hours

Maximum Marks: 50

Answer All Questions

PART - A (5x 2 = 10 Marks)

			CO	Blooms
1.		Compare RISC and CISC.	CO1	Ana
2.		List the applications of Microcontrollers.	CO1	Ana
3.		PIC is mostly used over other microcontrollers-How?	CO1	Rem
4.		What is Status register?	CO2	Rem
5.		Identify the usage of TRIS and PORT registers in PIC 16F8XX	CO2	App
<b>PART – B (2*13=26 Marks) (1*14=14 Marks)</b>				
			CO	Blooms
6.	(a)	Illustrate the memory architecture PIC family and explain .	13 CO1	Und
		(or)		
	(b)	Interpret the importance of status register in PIC microcontroller	13 CO1	Und
7.	(a)	Analyze the Time delay operations in PIC16F8XX family.	13 CO2	Ana
		(or)		
	(b)	Categorize the Instruction pipeline in PIC microcontrollers.	13 CO2	Ana
8.	(a)	Construct the detailed internal memory organisation in PIC16F8XX family.	14 CO1	App
		(or)		
	(b)	Utilize the instructions and addressing modes of PIC16F877A to construct LCD display.	14 CO2	App

**Abbreviations:**

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

Course Co-ordinator

Teaching Co-ordinator

Dean/ECE