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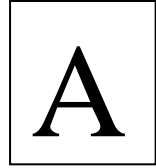
SNS College of Technology, Coimbatore-35.
(Autonomous)

B.E/B.Tech Internal Assessment -I
Academic Year 2022-2023(Even)

Fourth Semester

Computer Science and Engineering

19ECT221 – Microprocessors and Microcontrollers



Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

| | | | CO | Blooms | |
|---|-----|--|-----|--------|-----|
| 1. | | Summarize the features of 8085 Microprocessor. | CO1 | Und | |
| 2. | | List the Instruction set of 8085 Microprocessor. | CO1 | Rem | |
| 3. | | Define BIU of 8086 Microprocessor. | CO1 | Rem | |
| 4. | | Build the memory interfacing of 8085 Microprocessor. | CO2 | App | |
| 5. | | Define Baud Rate. | CO2 | Rem | |
| PART – B (2 x 13 = 26 Marks) (1 x 14 = 14 Marks) | | | | | |
| | | | CO | Blooms | |
| 6. | (a) | Explain the architecture of 8085 architecture. | 13 | CO1 | Rem |
| | | (or) | | | |
| | (b) | (i) Classify the addressing modes of 8086 Microprocessor. | 7 | CO1 | Und |
| | | (ii) Outline the Pin Diagram of 8085 Microprocessor. | 6 | | Und |
| 7. | (a) | Examine Parallel Communication Interface of 8085 Microprocessor. | 13 | CO2 | Ana |
| | | (or) | | | |

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|----|-----|---|----|-----|-----|
| | (b) | Explain Memory & I/O interfacing of 8085 Microprocessor | 13 | CO2 | Und |
| 8. | (a) | Examine the types of Instruction Set of 8085 Microprocessor. | 14 | CO1 | Ana |
| | | (or) | | | |
| | (b) | Construct the Internal Structure of 8086 Microprocessor and its applications. | 14 | CO1 | App |
| | | ***** | | | |

Abbreviations:

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