

B.Tech II Year 4th Semester

Year(2022)

Branch ECE

Subject : Microprocessor and Microcontroller

CT-1st

Time : 1 Hour

M.M : 20

Note : Attempt All question

Section – A

1. What is the role of program counter in 8085 microprocessor?
2. What is need of interrupts in microprocessor operation?
3. What is the role of timing and control signals in 8085 microprocessor?
4. What is pipelining mechanism in 8086 microprocessor?
5. Write the instruction to load the 36H in register B and 54H in register C, add these two numbers and display the result at Port1.

Section-B

Attempt any two question 2x5 =10

1. Draw and explain the architecture of 8085 microprocessor.
2. Draw the pin diagram of 8085 microprocessor and write the functions of each pin.
3. Draw and explain the architecture of 8086 microprocessor.