

B.Tech II Year 4th Semester

Year(2022)

Branch ECE

Subject : Microprocessor and Microcontroller

CT-2nd

Time : 1 Hour

M.M : 20

Note : Attempt All question (5x2 = 10)

Section – A

1. Write the difference between I/O mode and the BSR mode of 8255.
2. Calculate the value of the LSB, MSB and full-scale output of an 8-bit DAC for the 0 to 10 V range.
3. Write the function of weighted register R-2R ladder D/A converter.
4. Write the addressing modes of 8086.
5. What is the role of priority resolver in 8259?

Section-B

Attempt any two question 2x5 =10

1. Draw and Explain the pin diagram of 8086 microprocessor in maximum mode.
2. Explain the architecture of DMA controller.
3. Draw and explain the operation of programmable peripheral interface 8255.