MICROPROCESSORS
4th Exam/ECE/2595/Feb'2021
(For 2018 batch onwards)

Duration: 1.15Hrs.   **M.Marks:25**

SECTION-A

Q1. Attempt any three questions.   **3x5=15**
   i. Explain the bus organization of 8085
   ii. Describe briefly 8255 PPI.
   iii. Explain any three addressing modes of 8086.
   iv. Explain PUSH and POP instructions.
   v. Explain the concept of DMA data transfer.
   vi. Draw pin diagram of 8085 microprocessor.
   vii. Explain flag register of 8085.
   viii. Differentiate between memory mapped I/O and I/O mapped I/O.

SECTION-B

Q2. Attempt any one question.   **1x10=10**
   a. Draw the block diagram of 8085 microprocessor and explain it.
   b. Explain various interrupts of 8085.
   c. What are the categories of instruction set of 8086? Explain any one.
   d. Draw the internal architecture of 8086 microprocessor and explain it.
   e. Write notes on the following. **(any two)**
      i. Differences between 8085 and 8086
      ii. Stack
      iii. 8279 keyboard/ display interface chip
      iv. RIM and SIM