



THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)
Re-accredited (2nd Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

Course : COS 2424

Course : Fundamentals of Microprocessors

Time : 3 Hrs

Max : 75 marks

PART – A

Answer any FIVE of the following:

5 X 15 = 75 marks

1. Describe Intel 8085 architecture with necessary theory and block diagram.
2. Explain the features of Intel 8085 processor.
3. Explain the pin configuration of Intel 8085 processor.
4. Draw and explain the Bus structure of Intel 8085 processor.
5. Explain various addressing modes in Intel 8085/8086 microprocessor.
6. Give a detailed note on various Instruction Formats with suitable examples.
7. Describe Pipelining with necessary theory.