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 204   **Time : 3 Hrs**

Course : Microprocessor and ALP   **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.   Draw and explain the Bus structure of Intel 8085 processor.

3.   Explain various addressing modes in Intel 8085/8086 microprocessor.

4.   Describe various programming registers in Intel 8085/8086 microprocessor.

5.   Write an assembly program to add and subtract two hexadecimal numbers.

6.   What do you mean by an Interrupt? Discuss about its types and significance.

7.   Describe the control structures available in ALP.