



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 : MCA 4404
Course : System Software

Time : 3 Hrs
Max : 75 marks

PART – A

Answer any FIVE of the following:

5 X 15 = 75 marks

1. Explain the Architecture of SIC/XE machines with necessary theory.
2. Discuss in detail about the UltraSPARC Architecture.
3. Write and explain the Pass 2 algorithm of an Assembler.
4. Describe any two Machine-Independent Assembler features.
5. Give a detailed note on Basic Loader functions.
6. Explain the following Machine-Independent Macro Processor Features.
 - a) Concatenation of Macro Parameters
 - b) Keyword Macro Parameters.
7. Explain in detail about the Machine-Dependent Compiler features.