



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 4406

Course : C++ and OOP

Time : 3 Hrs

Max : 75 marks

PART – A

Answer any FIVE of the following:

5 X 15 = 75 marks

1. Explain in detail about the features of OOP with necessary theory.
2. Explain different types of Constructors using a sample program.
3. Explain Function Overloading and Operator Overloading using sample code.
4. Explain hybrid and multilevel inheritance using employee details among various department in a company.
5. What do you mean by friend function? Explain the access of method of a class by non member object using this concept.
6. Write a C++ program using **File** to perform any four string functions.
7. What is meant by Function Template? Explain its types with necessary sample code.