



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

MAT 1421/3637/1541/1451

Max: 75 marks

Programming in C

Time: 3 hrs

Answer any five questions: $5 \times 15 = 75$ marks

1. Discuss about different types of operators in C with suitable examples.
2. Discuss about formatted input and output statements in C with suitable examples.
3. Explain various types of looping statements in C with suitable examples.
4. a) Write a C program to sort an array of integers and print the median.
b) Discuss in detail about the string functions with suitable examples.
5. a) Write a C program that uses a function pointer as a function argument.
b) Write a C program that illustrates the use of structure pointers.
6. Explain the concept of pointers as function arguments with suitable examples.
7. Explain arrays of structures with a suitable example.