



# THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

Re-accredited (2<sup>nd</sup> Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

## Backlog Arrear Examination, March 2021

**CHE 1272      CHEMISTRY IN CRIME INVESTIGATION**

**Time: 2 Hours**

**Max Marks: 60**

**Answer any FOUR Questions: (4 X 15 = 60)**

1. Explain forensic science and its significance in crime investigation.
2. Discuss the methods to retrieve and extract the finger prints from site of crime.
3. Explicate the types and diagnosis of poison in living and dead. What are the antidotes specifications in each case of poisoning?
4. What are the different types of Ballistics? Explain the composition and mechanism of explosives.
5. Describe the various modalities of cyber crimes.
6. Taking a case study, explain the importance of DNA analysis in solving the case.