



# 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

**Course Code: MIC 3225/3243**

**Max: 75 Marks**

**Course Title: Bioinformatics**

**Time: 3 Hours**

**Answer any FIVE**

**(5\*15=75)**

1. Define internet. Elaborate on the history and evolution of computational devices to modern day computers
2. Give an account on the parts of a computer with detailed illustration.
3. Write briefly on the scientists who contributed to the field of Bioinformatics
4. Establish the role of the BLAST as a sequence analysis tool
5. Review the steps involved in the process of phylogenetic tree construction
6. Explain the methods of protein dynamics and modelling
7. Write a detailed note on the different biological databases