



# 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

**MIC 1401/1501**

**BIOCHEMISTRY**

**Time: 3 Hrs.**

**Max: 75 Marks**

**Answer any FIVE questions**

**(5 x 15 =75)**

1. Describe the properties, classification and functions of carbohydrates.
2. Discuss the various levels of organization of proteins.
3. Classify the types of proteins with examples.
4. Explain the classification of lipids with suitable examples.
5. Highlight the base composition and chemical structure of DNA. Add a note on the different forms of DNA.
6. Describe the factors contributing the catalytic efficiency of enzymes.
7. Give a detailed account of enzyme inhibition.

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