



# 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 2403/2221**

**Course Title: Fundamentals of Pharmacology**

**Max Marks: 75**

**Time: 3 Hrs**

**Section: A**

**Answer any FIVE of the following questions**

**(5x15 = 75)**

1. Describe the drug discovery cycle and steps involved in drug design.
2. Explain the different types of drugs derived from plant and animal sources.
3. Describe the role of receptors as drug targets with suitable examples.
4. Describe the various routes of drug administration with suitable examples.
5. Illustrate the different phases of clinical trials with suitable examples.
6. Enlist the key points of Good Laboratory and Manufacturing practices to be followed by any pharmaceutical organization.
7. Discuss the various steps involved in the commercial production of Benzyl penicillin.