



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

PGZ 5523

Environmental Biotechnology

Time: 3 hrs

Marks: 75

Part-A

Answer any **FIVE** questions

(5X15=75)

1. Describe the types principle and applications of Biosensors with diagrams.
2. Elucidate the phases of sewage treatment with diagrams.
3. Comprehensively assess the types and techniques of Bioremediation.
4. Write an account on the microbial transformation of pesticides.
5. Discuss the advantages and disadvantages of biological energy sources.
6. Explain the types and applications of Biopesticides with examples.
7. Expound on the mechanism and types of Biosorption. Add a note on factors influencing Biosorption.
