



# 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

**PGB 4508**

**Plant Pathology**

**Time: 3hrs**

**Marks: 75**

**I. Answer any FIVE of the following each not exceeding four pages. (5X15=75)**

1. Narrate Koch's postulate and discuss the significance of Disease Triangle.
2. Present the outline classification of fungi and trace trends in degeneration of sex.
3. Explain the defence mechanism in plants in the context of host-pathogen interactions.
4. Study the causes, symptoms and consequences of late blight of potato and suggest its control measures.
5. Compare the viral diseases in plants that you have studied and illustrate etiology, disease cycle and control of TMV.
6. What is disease forecasting? How will you plan for it?
7. Illustrate the principle and practices in Integrated Pest Management.