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**School of Agriculture**  
**Bachelor of Science Honours in Agriculture**  
**Mid Term Examination - May 2024**

**Duration : 90 Minutes**  
**Max Marks : 50**

**Sem VI - A1UA610B - Bio Pesticides and Biofertilizers**

General Instructions

*Answer to the specific question asked*

*Draw neat, labelled diagrams wherever necessary*

*Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Outline two fungi based microbial pesticides and explain. K2 (2)
- 2) Define biopesticides and explain the concept of biopesticides. K1 (3)
- 3) Explain how has the historical development of biopesticides from ancient civilizations to modern agricultural practices. K2 (4)
- 4) Summarize the mass production of Pseudomonas. K2 (6)
- 5) Identify the scope of biofertilizers in agriculture, environment protection and agribusiness. K3 (6)
- 6) Develop the suitable procedures for quality control of biofertilizers. K3 (9)
- 7) Dissect the structure and characteristic features of Trichoderma. K4 (8)
- 8) Analyse the various mechanisms of phosphorus solubilization. K4 (12)

**OR**

Examine the differences in symbiotic and asymbiotic nitrogen fixation. K4 (12)