

School of Agriculture**Bachelor of Science Honours in Agriculture
Semester End Examination - Jul 2024****Duration : 180 Minutes
Max Marks : 100****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*

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| 1) | Find out the scope of biopesticides in agriculture. | K1(2) |
| 2) | Explain the use of entomopathogenic fungi in agriculture. | K2(4) |
| 3) | Illustrate the methods of production of biopesticides. | K2(6) |
| 4) | Construct the structure and characteristic features of Pseudomonas. | K3(9) |
| 5) | Construct the structure and characteristics of rhizobium. | K3(9) |
| 6) | Write the essential criteria for carrier selection during production of liquid formulations of biofertilizers. | K5(10) |
| 7) | Examine the specifications of azotobacter biofertilizers as specified in FCO. | K4(12) |
| 8) | Describe in detail the asymbiotic N ₂ -fixation in plants and conclude their importance and dependability. | K5(15) |
| 9) | Justify the factors influencing the efficacy of biofertilizer. | K5(15) |
| 10) | Elaborate biological nitrogen fixation and its mechanism. | K6(18) |