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School of Agriculture
Master of Science in Agronomy
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem II - A1PB201B - Principal and Practices of Soil Fertility and Nutrient Management

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 the impact of soil structure on plant growth. K2 (2)
- 2) Define cover crops. How do they contribute to good soil management? K1 (3)
- 3) Explain the how soil tests help in soil management. K2 (4)
- 4) Summarize key steps involved in preparing farmyard manure. K2 (6)
- 5) Identify the ways compost can be used to suppress weeds, reduce soil erosion, and mitigate soil-borne diseases in agricultural fields and garden beds. K3 (6)
- 6) Make use of green manure crops increase soil fertility. K3 (9)
- 7) Simplify green manure, and how does it differ from traditional compost. K4 (8)
- 8) Explain the mechanisms through which biofertilizers contribute to soil health and fertility over time. K4 (12)

OR

Examine the primary techniques used in soilless cultivation. K4 (12)