

Reg. No.										
-------------	--	--	--	--	--	--	--	--	--	--



GIET UNIVERSITY, GUNUPUR – 765022
M. Sc. (Ag.) (First Semester) Examinations, November – 2022
**AGRON-502 – Principles and Practices of Soil Fertility and Nutrient
Management**

Time: 2 hrs

Maximum : 35 Marks

The figures in the right hand margin indicate marks.

PART – A

Q. 1. Define (or) Explain the following in one or two sentences. (1 x 5 = 5 Marks)

- a. Crop logging
- b. Phosphorus fixation in alkaline soils
- c. Immobilisation
- d. Critical Nutrient Range (CNR)
- e. Apparent Recovery of Nutrient

PART – B

Q2. Answer ANY FOUR questions: (short answer questions) (2.5 x 4 = 10 Marks)

- a. Chelates
- b. Nitrogenous fertilisers
- c. Role of organic matter in Phosphorus availability
- d. Green manuring
- e. Slow releasing Nitrogen fertilisers
- f. Denitrification

PART – C

Attempt ANY FOUR questions. All question carries equal marks (5 x 4 = 20 Marks)

3. What are the factors affecting Phosphorus availability in soil.
4. Explain the dynamics of Boron in soil.
5. Explain the different methods of fertility evaluation.
6. Explain in short, different types of composting.
7. What are the different strategies to increase Nitrogen Use Efficiency.
8. How crop residues in field can be managed. Explain

--- End of Paper ---