

School of Agriculture

**Bachelor of Science Honours in Agriculture
Summer Term Examination – July - August 2024**

**Duration : 180 Minutes
Max Marks : 100**

Sem V - A1UA504B - Manures Fertilizers and Soil Fertility 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*

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| 1) | Find the some common types of soil amendments used in agricultural practices | K1(2) |
| 2) | Interpret the use of organic manures to impact soil fertility | K2(4) |
| 3) | Illustrate the advantages of using complex fertilizers in modern agriculture practices? | K2(6) |
| 4) | Construct the role do macronutrients play in the mineral nutrition of plants? | K3(9) |
| 5) | Construct the process of nitrogen fixation by green manuring crops | K3(9) |
| 6) | Appraise transport of nutrients to root surface | K5(10) |
| 7) | Examine how nano fertilizers differ from traditional bulk fertilizers in terms of nutrient uptake efficiency and controlled nutrient release. | K4(12) |
| 8) | Determine the specifications and standards for important fertilizers | K5(15) |
| 9) | Assess the quality control of fertilizers | K5(15) |
| 10) | Elaborate the manufacturing process and properties of urea fertilizers | K6(18) |