

School of Agriculture

**Bachelor of Science Honours in Agriculture
Semester End Examination - Jun 2024**

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

Sem IV - A1UA402T / A1UA405T - Farming System and Sustainable Agriculture

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) | Tell about Cropping pattern. | K1(2) |
| 2) | Explain, the Methane Emission from Rice Fields | K2(4) |
| 3) | Summarize the impact of climate change | K2(6) |
| 4) | Develop best model for integrated nutrient management in Rice wheat cropping system | K3(9) |
| 5) | Solve: How can vertical farming systems be adapted to improve resource efficiency in urban environments? | K3(9) |
| 6) | Give your opinions on soil conservation process | K5(10) |
| 7) | Analyze the impact of drought on plant and how plant adopt in drought | K4(12) |
| 8) | Justify the claim that dairy farming is the most crucial economic activity in rural regions. | K5(15) |
| 9) | Criticize Conventional Agriculture in detail. | K5(15) |
| 10) | Design a good model of watershed | K6(18) |