

## School of Agriculture

Bachelor of Science Honours in Agriculture  
Semester End Examination - Jul 2024

Duration : 180 Minutes  
Max Marks : 100

### Sem IV - 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)  | Compare C3 and C4 plant  | K1(2)  |
| 2)  | Explain, advantage of farming system   | K2(4)  |
| 3)  | Summarize the importance determinants of farming system  | K2(6)  |
| 4)  | How can we solve the problem of soil degradation and promote long-term soil health?  | K3(9)  |
| 5)  | Solve the soil pollution problems  | K3(9)  |
| 6)  | Justify why a specific cropping system might be chosen over another, considering factors like climate, soil type, and intended crop use. | K5(10) |
| 7)  | Relationship between integrating crops and livestock   | K4(12) |
| 8)  | Criticize the chemical fertilizer in details   | K5(15) |
| 9)  | Prove: Drip irrigation is most efficient irrigation  | K5(15) |
| 10) | Elaborate, Poultry farming with its breeds, feed and house   | K6(18) |