

# School of Agriculture

Department of Agriculture  
Mid Term Examination

Exam Date: 29 Sep 2023

Time : 90 Minutes

Marks : 50

## Sem III - AGRON511 - Cropping Systems

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- 1) Outline the mechanisms of allelopathic interactions and their significance in sustainable agriculture. K2 (2)
- 2) Define the role of allelopathy in nutrient cycling in cropping systems. K1 (3)
- 3) Explain the impact of allelopathy on crop yield and overall system productivity. K2 (4)
- 4) Summarize the competition relations between different crops in multistoreyed cropping systems? K2 (6)
- 5) Identify the objectives of adopting sustainable farming systems in agriculture. K3 (6)
- 6) Construct and implement cropping systems to achieve agricultural sustainability? K3 (9)
- 7) Classify cropping systems based on their production potential and resource utilization. K4 (8)
- 8) Examine the advantages and limitations of monoculture cropping in agricultural practices. K4 (12)

**OR**

Relationship between crop residue management and weed control in cropping systems. K4 (12)