

School of Agriculture

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

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

Sem IV - A1UA407B - Introductory Agro meteorology and Climate Change

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) | Name the process of condensation | K1(2) |
| 2) | Explain a water management strategy for a drought-prone region. | K2(4) |
| 3) | Outline the impact of floods on agriculture | K2(6) |
| 4) | Construct the weather hazards faced by agriculture (droughts, floods, frost, tropical cyclones)? | K3(9) |
| 5) | Construct the climate change impact regional and national agriculture? | K3(9) |
| 6) | Appraise the concept of growing degree days (GDD) and its significance for crop management. | K5(10) |
| 7) | Analyse a applicable plan how can agricultural practices mitigate climate change? | K4(12) |
| 8) | Justify the social challenges related to climate change in rural areas? | K5(15) |
| 9) | Justify precision agriculture contribute to climate resilience? | K5(15) |
| 10) | Elaborate the role of temperature in determining planting dates and crop selection. | K6(18) |