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School of Agriculture
Bachelor of Science Honours in Agriculture
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

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

- 1) Outline the historical background of Conservation Agriculture K2 (2)
- 2) Define the key atmospheric weather variables? K1 (3)
- 3) Explain the solar constant and explain its significance K2 (4)
- 4) Outline the short-wave and long-wave radiation. K2 (6)
- 5) Identify the the concept of lapse rate in the atmosphere. K3 (6)
- 6) Construct the monsoon mechanism crucial for Indian agriculture? K3 (9)
- 7) Simplify the implications of climate change on pest proliferation in agriculture? K4 (8)

- 8) Analyse a report wind influence soil erosion and moisture loss in agriculture? K4 (12)

OR

- Analyse the role precision farming and GPS in agriculture explain? K4 (12)