

School of Agriculture

Bachelor of Science Honours in Agriculture
Semester End Examination - Aug 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 extent of the Earth's atmosphere vary? | K1(2) |
| 2) | Explain the concept of artificial rainmaking? | K2(4) |
| 3) | Outline the explanations tropical cyclones, and how do they impact weather conditions? | K2(6) |
| 4) | Construct explain the concept of climate change. | K3(9) |
| 5) | Construct different sources and define global warming and its implication | K3(9) |
| 6) | Appraise irrigation practices impact climate patterns? | K5(10) |
| 7) | Analyse the role of soil management in climate resilience. | K4(12) |
| 8) | Justify the albedo influence snowmelt and soil temperature in agricultural systems? | K5(15) |
| 9) | Justify innovative and cutting-edge approaches to the effects of cloud cover on crop growth and yield?. | K5(15) |
| 10) | Elaborate the challenges posed by extreme weather events (heatwaves, storms) for farmers? | K6(18) |