

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Duration : 180 Minutes
Max Marks : 100

Sem VI - A1UA602B - AGRI3011 Rainfed Agriculture and Watershed Management

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) Name the Bore Well with The Settlement Tank Method work? K1 (2)
- 2) Explain, troll (1965) weather clissification K2 (4)
- 3) Outline the Rain Gardens, and how do they enhance water retention? K2 (6)
- 4) Develop the best model for integrated nutrient management in Rice wheat cropping system under rainfed agriculture. K3 (9)
- 5) Construct the risks associated with raising successful crops in arid, semi-arid, and sub-humid regions. K3 (9)
- 6) Justify why a specific cropping system might be chosen in drought area over another, considering factors like climate, soil type, and intended crop use. K5 (10)
- 7) Relationship between drought adaptation and mitigation K4 (12)
- 8) Justify rain-fed agriculture in drought-prone areas. Consider economics, tradition, and water management options. K5 (15)
- 9) Justify the role of contingency planning in managing crops on a rain-fed farm? K5 (15)
- 10) Elaborate the ecosystem services provided by watersheds? K6 (18)