Name				Printed Pages:01		
Student Admn. No.:						
School of Agriculture						
BacklogExamination,June 2023						
[Programme:] [Semester:] [Batch:]						
Course Title: Rain-fed Agriculture & Watershed Management				Max Marks: 100		
Course Code: AGRI3011 Time			Time	e:3 Hrs.		
Instructions: 1. All questions are compulsory.						
2. Assume missing data suitably, if any.						
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			Level	COs	Marks	
SECTION-A (15 Marks) 5 Marks each						
	Define rainfed agriculture and explain the importance of rainfed agriculture for food security of country?					
1.						5
2.	How do you compare the types of rainfed farming? Outline the agro-climatic constraint of dry land farming?				5	
4.	constraint of dry fand farming:					
2	Enumerate the major government programs implemented for development of dry					5
3.	land agriculture?					
	SECTION-B(40 Marks) 10 Marks each					
4.	What are the different types of mulching? How mulching practices can redu					10
	soil water loss? Explain the soil and water conservation strategies for dry land area?					10
5.	Explain the son and water conservation strategies for thy faint area:					
6.	How the water stress affectthe physio-morphological characteristics of the plants?					10
_	Explain the different types of drought and its characteristics?					
7.	Evoloin al	OR ant's inherent drought adaptation and mitigation framework?				10
SECTION-C (45 Marks) 15 Marks each						
_	What are the water harvesting structures for arid and semi-arid area, and illustrate					1.5
8.		manage drought?				15
	Examine the role of contingent crop planning for aberrant weather conditions in dry					
9.	land area?					15
	Elaborate the concept, objective, and components of a perfect watershed model?					
10	OR Make a diagram of watershed model, and evaluate the importance of watershed					
						15
	management for socio-economic development in dry land area?					