MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semeste		Term	:	Second	Academ	ic Year :	2021-22	
Course No. : AGRO 123		Title	:	Fundamentals of Agronomy-II				
Credits Day & 1	: 2 (1+1) Date : Tuesday, 13.09.2022							
Note: 1. Solve ANY EIGHT questions from SECTION 'A'.								
2. All questions from SECTION 'B' are compulsory.3. All questions carry equal marks								
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		ECTION						
Q.1	Explain in brief the different soil moisture constants.							
Q.2	Define water use efficiency. Explain in brief the factors affecting water use efficiency.							
Q.3	Classify the methods of irrigation. Elaborate the merits and demerits of sprinkler irrigation system.							
Q.4	Define water requirement. Explain in short the factors affecting the water requirement of crops.							
Q.5	What is scheduling of irrigation? Enlist the various approaches of irrigation scheduling and explain any one.							
Q.6	Enumerate the components, merits and demerits of drip irrigation system.							
Q.7	Classify the soil water on the basis of physical forces and explain in short capillary water.							
Q.8	Discuss the causes of water logging and write in brief about crop management techniques in problematic areas.							
Q.9	Explain in short the strategies for utilization of poor quality water.							
Q.10	Write short notes on (Any Two):							
	a) Methods of estimation of water requirement							
b) Factors affecting water absorption								
c) Role of water in plants								
SECTION 'B'								
Q.11	Define the following terms:						,	
	1) Potential evapotranspiration		2	2) Infiltrati	on			
	3) Irrigation interval		4	4) Consum	ptivė use			
Q.12	Fill in the blanks:							
	1) The annual precipitation of India is M.ha.m. including snowfall.							
	2)is a component of dri	a component of drip irrigation known as heart of system.						
	3)crop is used as indicator plant for estimation of PWP.							
	4) Soil water between the limit called	and perm	anent wilt	ing point is				
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