MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END THEORY EXAMINATION

		CKEND THEORY EXHIBIT	
	1	3.Sc.(Hons.) Horticulture Term : Second Academic Year : 2022-23	
Semester : II (New)		Term : Second Academic Feat	
Course No. : H/ENGG 12 Credits : 2 (1+1)		Term : Second Academic in Horticultural Title : Water Management in Horticultural	
Day &	()	Crops 2023 Time : 9:00 to 11:00 hrs. Total Marks : 40	
Day a		HT questions from SECTION 'A'.	
	2. All questions from	n SECTION 'B' are compulsory.	
	All questions car	ry equal marks.	
	Draw neat diagra	m wherever necessary.	
		SECTION 'A'	
Q.1	Draw a neat labeled diagram of drip irrigation system and give the function of main components.		
Q.2	Explain the function of water for growth and development of crops.		
	Give the classification of irrigation methods and describe furrow irrigation		
Q.3			
Q.4	Write short notes on:		
	a) Water Budgeting in Ind	a	
	b) Factors affecting evapotranspiration		
	b) Factors affecting evaportuniprior Define sprinkler irrigation with its adaptability and limitations.		
Q.5	Define sprinkler irrigation with its adaptability and initiations. Define evaporation and transpiration. Explain the USWB Class-A pan evaporimeter with		
Q.6	Define evaporation and tra	anspiration. Explain and	
	neat diagram.		
Q.7	neat diagram. Explain the moisture extraction pattern within root zone. a) If the net irrigation is 8 cm and the field efficiency is 75 per cent, calculate the gros		
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Q.8	a) If the net integritement.	irrigation to border strip of 100 r	
	The state the time in h	ours required to give 5 cm miguitor	
	 a) If the net irrigation is a chiral and irrigation requirement. b) Estimate the time in hours required to give 5 cm irrigation to border strip of 100 r long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a discharge of 10 liters per second from a pump. Assume the long and 6 m wide, with a d		
	water efficiency as 70	per cent. Explain types of sprinkler irrigation	
	that diagram of s	prinkler irrigation system. Explanation	
Q.9	 long and 6 m wide, with a discurption of water efficiency as 70 per cent. Draw a neat diagram of sprinkler irrigation system. Explain types of sprinkler irrigation system on the basis of portability. 		
	system on the foil w	vater with neat diagram.	
Q.10	system on the basis of per Explain the kinds of soil v	SECTION 'B'	
~		SECTION	
	Match the pairs:		
Q.11		'B'	
	'A'	a) Close growing crops	
	1) Lysimeter	b) Removal of algae	
	2) Sprinkler irrigation	b) Kentova er e	
	2) Opinimiter -	c) Orchards	
	3) Sand filter	d) Fertigation	
	4) Drip irrigation	e) Evapotranspiration (F	
		e) Evaportant	

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Telegram - AgroMind

- Q.12 State True or False:
 - 1) Disc filter is made up of grooved plastic discs, which are piled together around a telescopic core.
 - 2) The evaporation increases with decrease in temperature.
 - 3) In effective root zone depth, 40 per cent of total moisture is extracted from second quarter of root zone.
 - 4) The average annual rainfall of India is 800 mm.
