## MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END THEORY EXAMINATION

	B.Sc.(Hons	.) Hornculture
Semest		erm : Second Academic Year : 2021-22
Course		itle : Soil Fertility and Nutrient Management
Credits		ime : 9:00 to 11:00 hrs
Day &	Note: 1. Solve ANY EIGHT questions	
	2. All questions from SECTION	'B' are compulsory.
	3. All questions carry equal mark	S.
	4. Draw neat diagram wherever n	CION 'A'
Q.1	Define soil fertility evaluation. State the	
Q.2	What are organic measures? Classify the bulky and concentrated organic manures along with suitable measures.	
Q.3	Define essential plant nutrients and classify the essential plant nutrients.	
Q.4	What is luxury consumption? Explain consumption of nitrogen by plants.	
Q.5	Enlist the problematic soils. Give the characteristics of saline, saline-sodic and sodic soils.	
Q.5 Q.6	Define fertilizer. Classify the nitrogenous fertilizers with examples.	
Q.8 Q.7	Define Integrated Plant Nutrient Management System. What are the components of	
	IPNMS?	
Q.8	Explain the concept of Soil Test Crop Response and Targeted yield.	
Q.9	Define biofertilizers. Enlist different types of biofertilizers.	
Q.10	Write short notes on ( Any Two):	, 같은 영상에서 한 것이 없을 것이다. 영화
	a) Importance of C:N ratio	b) Importance of pH in plant nutrition
	c) Fertilizer use efficiency	
	SECT	ION 'B'
Q.11	Fill in the blanks:	방법 문제 전문 방법 문제 문제 전통 문제
	1) Physical mixtures of two or more stra	ight fertilizers are called type fertilizers.
	gradients.	is proportional to the concentration
	3) Gypsum amendment is used for reclamation of soils.	
	4) C:N ratio of sawdust is	
Q.12	Match the pairs:	영상 등 <u>경</u> 험을 하는 것은 것이라. 이 것은
	·'A'	<b>'B'</b>
	1) Single super phosphate	a) Arnon and Stout
	2) Criteria for essentiality of element	b) Mo deficiency
	3) Feldspar	c) $16\% P_2O_5$
	4) Whiptail in cauliflower	d) High potassium content

## **B.Sc.(Hons.)** Horticulture

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