Reg	istra	tion No. :											
Tota	ıl nur	nber of pri	nted pa	ges – 2	?								Tech
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	Ans	swer Quest The	ion No. ' figures i					101			1 ~ 1	e rest.	
1.	Answer the following questions :											2×10	
	(a)	(a) Give examples of primary and secondary plant nutrients.									ıts.		
	(b)	What is ve	rmicultu	re?									
	(c)	Ammoniur	n sulpha	ite cont	ains_		% ni	troge	n and	l	%	sulphi	ır.
	(d)	Write the p	ropertie	s of am	moni	um ni	trate.						
(e) Name the three grades of superph								∋ .					
	(f)	What is bonemeal?											
	(g)	What is m	uriate of	potash	?								
	(h)	Pure potas	ssium su	lphate	conta	ins_		% of	K₂O.				
	(i)	Diammoni	um phos	sphate	conta	ins		% nitr	ogen	and		_ % P;	,O ₅ .
	(j)	What do y	ou unde	rstand	by flu	id feri	ilizer	s?					
2.	(a)	Discuss in brief the functions of nitrogen and potassi production.								assiu	m on	crop 5	
	(b)	Discuss in		e need	of mi	cronu	ıtrien	ts.					5

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3. Critically compare manures with fertilizers. 10 Discuss in detail the manufacture of urea with a neat flow sheet. Mention its 4. properties and the precautions in the use of urea. 10 Write the chemical reactions involved in the manufacture of ammonium chloride 5. and ammonium nitrate. Also mention their properties. 5+5 Discuss in detail about phosphate fixation. 6. 5 Write the chemical reactions for the production of potassium sulphate and (b) mention its properties. 5 Discuss the characteristics, advantages, and disadvantages of complex 7. (a) fertilizers. 6 Mention the properties of urea ammonium phosphate. 4 8. Write short notes on any two of the following: 5×2 Composting (a) Calcium ammonium nitrate (c) Triple superphosphate (d) Controlled release fertilizers.