C.U.SHAH UNIVERSITY Winter Examination-2018

Subject Name: Biofertilizers and Biopesticides

	Subject	Code: 4SC03BAB1	Branch: B.Sc. (Microbi	iology)
	Semeste	r: 3 Date: 04/12/201	18 Time: 02:30 To 04:00	Marks: 35
	 Instructions: (1) Use of Programmable calculator & any other electronic instrument is prohibited. (2) Instructions written on main answer book are strictly to be obeyed. (3) Draw neat diagrams and figures (if necessary) at right places. (4) Assume suitable data if needed. 			
Q-1		Attempt the following ques	tions:	(7)
a) Rhizobia are the group root nodules. True/Fal			il bacteria that infect the roots of legur	nes to form
b) Rhizobia are nitrogen-f		Rhizobia are nitrogen-fixing	bacteria. True/False	
	c) A mycorrhiza is a association between a fungus and the roots of a vascular host plant. (symbiotic/non-symbiotic/free living)			he roots of a
	d) Canola oil is considered as(biopesticides/biofertilizer)			
	e) An ectomycorrhiza is a form of symbiotic relationship between fungus and roots of various plant species. True/False			ngus and roots
	f)			
	g)	0,		
Atte	mpt any	two questions from Q-2 to Q-	-5	
Q-2		Attempt all questions		
× -	a)		ow they are helpful to the plants.	(7)
	b)	-	ilizers over chemical fertilizers.	(7)
Q-3		Attempt all questions		
x ·	a)	What are bio insecticides? E	xplain their applications.	(7)
	b)		hate solubilizing bacteria? Explain its	
		Siowill.		
Q-4		Write short notes on-		
	a)	Mycorrhiza		((7)
	b)	Bacillus thruingiensis.		(7)
Q-5		Attempt all questions		
-	a)	What do you mean by VAM	? Explain its role in plant growth.	(7)
	b)	Draw labeled diagram and ex	xplain the steps of nitrogen cycle.	(7)

