	Enrollmo	ent No: _		Exam Seat No:		
				UNIVERSITY		
	Summer Examination-2018					
	Subject 1	Name: Ap	pplied Microbiology			
	Subject Code: 4SC03AMB1			Branch: B.Sc (Microbiology)		
	Semester	r: 3	Date: 02/04/2018	Time: 02:30 To 05:30	Marks: 70	
	(2) I (3) I	Use of Pronstruction Oraw neat	_	ny other electronic instrument is prob book are strictly to be obeyed. ecessary) at right places.	nibited.	
Q-1		Attempt	the following questions:		(14)	
	a)	Name pl	astic degrading and produc	cing bacteria.		
	b)	-	Bioleaching.			
	c)		es HTST refer to in dairy i	ndustry?		
	d)	Define p				
	e)		ymbiosis.			
	f)		e normal flora of milk.			
	g) h)	Define ra	Rhizopheric Soil?			
	i)		vaterborne disease.			
	.j)		e BOD and COD?			
	k)	Define p	asteurization.			
	l)	Name di	fferent strategies to preserv	ve food.		
	m)		1 0	present in atmosphere of earth?		
	n)		activated sludge?			
Atte	mpt any i	our ques	tions from Q-2 to Q-8			
Q-2		Attempt	t all questions		(14)	
~ =	a)	_	_	erilization of milk at industrial scale.	(7)	
	b)	-	-	oorganisms and their role in industry		
Q-3		Attempt	t all questions		(14)	
-	a)	Write th	e composition of milk in de	<u> </u>	(7)	
	b)	Explain	the roles of <i>C.botulinum</i> &	Salmonella Spp.in food poisoning.	(7)	





Explain preservation of food in detail.
What is composition of Air ?Explain Source of microorganism in air.

Q-4

Q-5

a)

b)

Attempt all questions

(14)

(7)

(7)

		Explain various types of wastewater treatment strategies in detail with proper diagram.	(14)
Q-6		Attempt all questions	(14)
	a)	Explain bioleaching.	(7)
	b)	Explain biodeterioration of textile and paper.	(7)
Q-7		Attempt all questions	(14)
	a)	What are airborne diseases? Explain any two diseases.	(7)
	b)	What are waterborne diseases? Explain any two waterborne diseases	(7)
Q-8		Attempt all questions	(14)
~	a)	What are MBRT and MEOR?	(7)
	b)	Explain carbon cycle in detail with proper flow chart diagram	(7)

