## C.U.SHAH UNIVERSITY Summer Examination-2016

	Subject Name : Applied Microbiology							
	Subject Code : 4LS03MBO2/4SC03AMB1			Branch: B.Sc(Microbiology)				
	Semester	Date :	30/04/2016	Time : 02:30 To 05:30	Marks : 70			
	(2) I (3) I	Jse of Programmab nstructions written	on main answer be and figures (if ne	y other electronic instrument is ook are strictly to be obeyed. cessary) at right places.	prohibited.			
Q-1		Attempt the follo	wing questions:			(14)		
	a)	Define Droplet Nu	ıclei.			1		
	b)	Define Airborne d				1		
	<b>c</b> )	Give examples of		ne diseases.		1		
	d)	Define endotoxin.				1		
	e)	Write any four par	rameters of water	pollution index.		1		
	f)			food spoiling microorganisms.		1		
	<b>g</b> )	Define rancidity.				1		
	h)	Define putrefactio	n.			1		
	i)	Define commensa	lism.			1		
	<b>j</b> )	Draw diagram of a	aerated lagoons.			1		
	<b>k</b> )	Write types of aer	obic waste water t	reatment strategies.		1		
	l)	Define pasteurizat	ion.			1		
	<b>m</b> )	What is MEOR?				1		
Atte	n) mpt any f	Write examples of four questions from		sms which produce bioplastic.		1		
Q-2		Attempt all quest	tions			(14)		

Attempt all questions	(14)
Explain types of wastewater treatment strategies in detail with proper diagram	. 14

## Q-3Attempt all questions(14)AWhat are airborne diseases? Explain any two diseases.7BExplain any two methods to control microorganism in air with diagram7

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Q-4		Attempt all questions	(14)
	Α	What are waterborne diseases? Explain any two waterborne diseases	7
	B	Explain any two methods to control microorganism in water with diagram	7
Q-5		Attempt all questions	(14)
	Α	Explain composition of air and source of microorganism in air.	7
	B	Explain water pollution index.	7
Q-6		Attempt all questions	(14)
•	Α	Explain food preservation methods.	7
	В	Explain industrial important microorganisms and their role in industry.	7
Q-7		Attempt all questions	(14)
-	Α	Explain microbial spoilage of canned food	7
	В	Explain Salmonella food poisoning.	7
Q-8		Attempt all questions	(14)
-	Α	Explain bioleaching.	7
	В	Explain biodeterioration of wood and paper.	7
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