Roll No		Total No. of Printed Pa	iges: 3			
Code No. B04-107						
Fourth Semester Online Examination, May-June, 2022						
M. Sc. MICROBIOLOGY						
	F	Paper I				
	ENVIRONMEN'	TAL MICROBIOLOGY				
Time : Three Hours ]		[ Maximum Ma	rks : 80			
,,	consist of very which are to sentences.  Part C (Short 250) and Part question should	of each question in each y short answer type que be answered in one of answer type) (Word limic D (Long answer type) of d be answered within the words) mentioned.	estions or two it <b>200-</b> f each			
UNIT-I						
<b>1.</b> (A)	What are Aeros	sol?	2			
(B)		of any <i>two</i> air borne transes with causal organism.	emitted 2			
(C)	Write note on l		4 P. T. O.			

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Or						
		Write note on biodeterioration of leather.				
	(D)	Write a detailed note on mode of deterioration				
		of metal and mode of prevention. 12				
Or						
		Describe air borne diseases caused by Fungi and				
		their preventive measures.				
		UNIT-II				
2.	(A)	What is Mangroves? 2				
	(B)	What is Eutrophication? 2				
	(C)	Write note on aquatic microbiology of pond				
		ecosystem. 4				
Or						
		Write note on water purification.				
	(D)	) Write a detailed note on water borne diseases an				
		their control measures.				
Or						
		Write a detailed note on zonation of water				

**3.** (A) What are niF genes?

ecosystem.

2

[2]

UNIT-III

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	(B)	What is Competition ?	2
	(C)	Write note on mutualism and commensalism.	4
		Or	
		Write note on symbiotic microbes.	
	(D)	Describe the microbiology of rumen.	2
		Or	
		Describe carbon and nitrogen cycle.	
		UNIT-IV	
<b>1</b> .	(A)	What is Saccharification?	2
	(B)	What is Gasification?	2
	(C)	Write note on SCP.	4
		Or	
		Write note on utilization of solid wastes in	n
		mushroom production.	
	(D)	Describe the process of liquid waste treatment	٠.
		12	2
		Or	
		Describe the chemical and biological treatment	S
		of waste.	