Microbio Jogy SE/11/CBGS/BT/UB10
QP Code: 5183

	(3 Hours)	Total Marks-8	0	
(1) Question No.1 is Compulsory.(2) Solve any three question out of rem(3) Draw suitable diagram wherever ne				William.
Q.1 Write short notes on the following (Atte	mpt any Four)	(5X4	1= 20M)	
a) Cell Wall of gram -ve bacteria	*		MAN	
b) Aerobic Microorganism			C	
c) Thermal Death Point				
d) MPN Test		S. A. T.	3	
e)Turbidostat		200		
f) Koch's Postulates				
Q.2 a) Discuss about the various types of me	edias which are used fo	or a		
culturing microorganisms.			(10M)	7
b) Discus the effect of solutes, temperate	ure and ion concentrati	on on		
_microbial growth.		·	(10M)	
Q.3 a)What is the difference between continu	uous culture and batch	culture? Explain?	(10M)	
b) What are the various chemical method	is for controlling microc	organisms?	(10M)	
Q.4 a) Draw a typical bacterial cell, identify	parts and write functi	ion of each part?	(10M)	
b) Write various differences between a p	rokaryote and an euka	ryote?	(10M)	
Q.5 a) List six ways in which fungi are econo	mically important to us	?	(6M)	
b) List the difference between Gram pos	itive and Gram negative	re bacteria?	(6M)	•
c) Describe the scope of microbiology in	genetic engineering &	biotechnology?	(M8)	
Q.6 a) Both the botulinum toxin and the tetan	ius toxin are neurotoxin	is: however they		
act in entirely different ways. What diff	ference occurs between	n their mechanisms		
of action?			(10M)	
b) Write a note on microbial nutrition?			(10M)	