

JBJ-1612010701050100 Seat No. _____

M. P. M. (Sem. V) (CBCS) (External) (W.E.F. 2016) Examination

	DI	December - 2019	
	Phari	maceutical Microbiology - I	
Time: 3 Hours] [Total Ma			s : 80
Instr	(1) (2) (3) (4)	Answer the three (03) questions from each se Question no. one (1) and question no. five (a compulsory.	5) are
	(a) Antiseptic (b) Pasteuriza (c) Desiccatio (d) HEPA (e) Differentia (f) Fluid-B (g) Lophotrica (h) Objective	e and Aseptic ation on al growth media hous flagella	∢7=1 4
(What are	llowing: note on a compound Microscope. the applications of Microscopes? note on mechanical control of microbes.	7 6
(in Pharm	lowing: he scope and applications of microbiology aceuticals. letail note on experiments done by Louis	6 7
(of prevent (b) What are	note on microbial contamination and method	ls 7

SECTION - 2

5	Ans	wer any two out of three:	7×2=14		
	(a)	Write a note on microbial limit test.			
	(b)	Write a note on colorimetric growth detection method for sterility testing.	od		
	(c)	Write a detail note on TEM.			
6	Answer the following:				
	(a)	Write a detail note on structure of prokaryotic cells with diagram.	7		
	(b)	What do you mean by generation time? Explain to different stages of bacterial growth with labeled dia			
7	Answer the following:				
	(a)	How to classify the bacterial culture by Grams stair technique? Describe the morphology of the bacteria with reference to their shapes and arrangements.	_		
	(b)	Calculate the Microbicidal effect (ME) for a test in which the number of surviving organisms are 1000 and the original inoculum size was 10000000. What the generally accepted value of ME?			
8	Answer the following:				
	(a)	Describe mode of action and applications of Haloger	ns. 7		
	(b)	Write a note on industrially important fungus.	6		