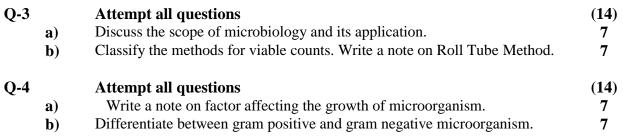
Enro	llment I	No:	Exam Seat No: UNIVERSITY				
		Summer Exa	amination-2020				
Subject Name : Pharmaceutical Microbiology-I							
Subject Code: 4PS05PMI1			Branch: B.Pharm				
Seme	ster : 5	Date: 24/02/2020	Time: 10:30 To 01:30	Marks: 70			
(1 (2 (3) Instru) Draw	of Programmable calculator & an actions written on main answer by neat diagrams and figures (if neme suitable data if needed.		rohibited.			
Q-1		Define the following terms:		(14)			
Atten	a) b) c) d) e) f) g) h) i) k) l) m) npt any	Spore Pharmaceutical microbiology Disinfectant D Value Abiogenesis Cold sterilization Inactivation factor Sterility testing Virus Vitamin assay Protozoa Biofilms". Isolation techniques for microb Alcohols as preservatives four questions from Q-2 to Q-5					
Q-2	a) b)	Attempt all questions How you validate bacterial filter Write a note on sterility testing.	for its efficiency ?	(14) 7 7			
Q-3	a)	Attempt all questions Discuss the scape of microbiolog	ey and its application	(14)			





Q-5	Attempt all questions		
	 a) Classify methods of sterilization. Discuss Hot air oven with their applic b) Describe contribution of Louis Pasteur in microbiology. 		7
			7
Q-6		Attempt all questions	(14)
	a)	Explain SEM and TEM with Ray diagram.	7
	b)	Draw a labeled diagram of bacterial cell. Explain flagella	7
Q-7		Attempt all questions	(14)
	a)	Classify and explain various culture media.	7
	b)	Explain Dry heat sterilization in detail.	7
Q-8		Attempt all questions	(14)
	a)	Classify different method for microbial assay. Describe ditch plate method	7
	•	for microbiological assay.	
	b)	Describe structure & composition of virus.	7

