Exam Seat No: _____

C.U.SHAH UNIVERSITY Winter Examination-2018

Subject Name: Pharmaceutical Microbiology-I

	Subject (Code: 4PS05PMI1		Branch: B.Pharm	
	Semester Instructio		1/2018	Time: 10:30 To 1:30	Marks:70
	(1) U (2) I (3) I		answer book ures (if necess	•	ited.
Q-1					(14)
	a)	Define the following ter Bacteria	ms:		01
	a) b)	Microscope			01
	c)	Sterilization			01
	d)	Disinfectant			01
	e)	Sanitization			01
	f)	Microbiostasis			01
	g)	Antiseptics			01
	h)	Germicides			01
	i)	Preservative			01
	j)	Antibiotics			01
	k)	Microbial Assay			01
	l)	Sterility testing			01
	m)	Fungi			01
	n)	Virus			01

Attempt any four questions from Q-2 to Q-8

Q-2	a) b)	Attempt all questions Draw and explain the bacterial cell. Explain various staining techniques for identification of bacteria.	(14) 07 07
Q-3	a)	Attempt all questions Enumerate various techniques for isolation of pure culture. Explain any two in	(14) 07
	b)	detail. Explain Growth rate curve of bacteria.	07

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Q-4	Attempt all questions		(14)
-	a)	Discuss the scope of microbiology and its application.	07
	b)	Classify and explain various culture media.	07
Q-5		Attempt all questions	(14)
	a)	Enumerate various types of microscope. Explain compound microscope in detail.	07
	b)	Explain SEM and TEM with Ray diagram.	07
Q-6		Attempt all questions	(14)
L.	a)	Write a note on sterility testing.	07
	b)	Explain microbial assay for antibiotics.	07
Q-7		Attempt all questions	(14)
L.	a)	Classify sterilization methods. Explain sterilization using Autoclave.	07
	b)	Explain Dry heat sterilization in detail.	07
Q-8		Attempt all questions	(14)
-	a)	Classify and explain various Disinfectants.	07
	b)	Enumerate the method of evaluation of disinfectants. Explain any two.	07

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