

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Winter Examination-2021

**Subject Name: Pharmaceutical Microbiology-I**

**Subject Code: 4PS05PMI1**

**Branch: B.Pharm**

**Semester: 5**

**Date: 17/12/2021**

**Time: 11:00 To 02:00**

**Marks: 70**

**Instructions:**

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

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<b>Q-1</b>	<b>Define the following terms:</b>	<b>(14)</b>
	a) Virus	(1)
	b) Sterilization	(1)
	c) Disinfectant	(1)
	d) Sterility testing	(1)
	e) Fungi	(1)
	f) Microbial assay	(1)
	g) Classify the culture media	(1)
	h) Spirochetes	(1)
	i) Antiseptics	(1)
	j) Pasteurization	(1)
	k) Give types of Microscopes	(1)
	l) Enumerate the different type of staining technique.	(1)
	m) Spore	(1)
	n) Enumerate the methods to obtain pure culture of bacteria.	(1)

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

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) Write a brief note on scope and application of microbiology.	(7)
	b) Differentiate following i) Gram positive and Gram negative bacteria ii) Bacteria and virus	(7)
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) Explain Gram staining in detail.	(7)
	b) Write a note on culture media.	(7)
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) Write a note on Autoclave.	(7)
	b) Give a detailed account on Gaseous sterilization.	(7)



