

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Pharmaceutical Microbiology-II

Subject Code: 4PS06PMI2

Branch: B.Pharm

Semester: 6

Date: 16/04/2019

Time: 10:30 To 01:30

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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Q-1	Define following:	(14)
	a) Immunology	01
	b) Invasiveness	01
	c) Pathogenicity	01
	d) Antigen	01
	e) Antibody	01
	f) Vaccine	01
	g) Toxoid	01
	h) Sera	01
	i) Fermentation	01
	j) Surgical dressing	01
	k) Absorbent cotton	01
	l) Blood Products	01
	m) Plasma substitutes	01
	n) Gene cloning	01

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

Q-2	Attempt all questions	(14)
	a) Explain Scope of Biotechnology and its applications.	07
	b) Explain monoclonal antibody preparation techniques and its applications.	07
Q-3	Attempt all questions	(14)
	a) Write a note on Primary wound dressings.	07
	b) Explain the preparation and sterilization method of surgical catgut.	07



Q-4	Attempt all questions	(14)
a)	Explain Natural resistance and External defense mechanism of host against pathogens.	07
b)	Explain types of Immunity and differentiate between Active and Passive Immunity.	07
Q-5	Attempt all questions	(14)
a)	Explain structure and types of Immunoglobulins.	07
b)	Enumerate the types of Antigen-Antibody reaction. Explain ELISA in detail.	07
Q-6	Attempt all questions	(14)
a)	Explain general method of preparation of Bacterial Vaccine.	07
b)	Write a note on Fermentation media.	07
Q-7	Attempt all questions	(14)
a)	Classify Fermentors. Explain any one detail.	07
b)	Discuss the production of streptomycin via fermentation process with its flow chart.	07
Q-8	Attempt all questions	(14)
a)	Explain Concentrated RBCs and Dried human serum as Blood products.	07
b)	Write a note on Plasma volume expanders.	07

