

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2022

Subject Name: Pharmaceutical Microbiology - II

Subject Code: 4PS06PMI2

Branch: B.Pharm

Semester: 6

Date: 02/05/2022

Time: 02:30 To 05:30

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 the following:	(14)
	a) Biotechnology	01
	b) Fermentation	01
	c) DNA ligase	01
	d) Restriction Endonuclease	01
	e) Immunity	01
	f) Recombinant DNA Technology	01
	g) Immunoglobulin	01
	h) Vaccine	01
	i) Interferon	01
	j) Antibiotic	01
	k) Suture	01
	l) Monoclonal Antibody	01
	m) Catgut	01
	n) ligature	01

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

Q-2	Attempt all questions	(14)
	a) Write scope and application of biotechnology.	
	b) Explain Hybridoma technology.	07
Q-3	Attempt all questions	(14)
	a) Write a short note on Gene Cloning	07
	b) Explain Antigen-Antibody Reaction.	07



Q-4	Attempt all questions	(14)
	a) Detail note on: Surgical Dressings	07
	b) Design fermenter and explain its various controls	07
Q-5	Attempt all questions	(14)
	a) Detail note on: Blood products and explain Whole Human Blood	07
	b) Detail note on Immunoglobulin.	07
Q-6	Attempt all questions	(14)
	a) Explain Enzyme Immobilization in detail.	07
	b) Explain detail production of any vaccine.	07
Q-7	Attempt all questions	(14)
	a) Detail note on: Interferon.	07
	b) Differentiate: Primary and secondary defense mechanism.	07
Q-8	Attempt all questions	(14)
	a) Briefly explain production of Penicillin.	07
	b) Note on: Plasma Substituents and explain Dextran.	07

