

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Pharmaceutical Microbiology-II

Subject Code: 4PS06PMI2

Branch: B.Pharm

Semester: 6

Date: 23/04/2018

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) Gene cloning	01
	b) Surgical dressing	01
	c) Sutures	01
	d) Ligatures	01
	e) Immunology	01
	f) Antigen	01
	g) Antibody	01
	h) Vaccine	01
	i) Sera	01
	j) Toxoid	01
	k) Interferon	01
	l) Phagocytosis	01
	m) Fermentation	01
	n) Blood products	01

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

Q-2	Attempt all questions	(14)
	a) Write a note on monoclonal antibody.	07
	b) Write a note on Gene cloning.	07
Q-3	Attempt all questions	(14)
	a) Write a note on defensive mechanism in humans against diseases.	06
	b) Differentiate between (i) Active and Passive immunity (ii) Humoral and cellular Immunity.	08



Q-4	Attempt all questions	(14)
	a) Write a note on Immunoglobulins.	07
	b) Enumerate various types of vaccines. Explain any one vaccine in detail.	07
Q-5	Attempt all questions	(14)
	a) Classify fermentors. Explain any one detail.	07
	b) Discuss the production of penicillin via fermentation process with its flow chart.	07
Q-6	Attempt all questions	(14)
	a) Write a note on fermentation media.	04
	b) Describe primary wound dressings.	04
	c) Write a note on catgut.	06
Q-7	Attempt all questions	(14)
	a) Discuss collection, processing and storage of whole human blood.	04
	b) Write a note on dried human serum.	04
	c) Explain human plasma protein fractionation.	06
Q-8	Attempt all questions	(14)
	a) Discuss the scope of biotechnology.	07
	b) Discuss the techniques of immobilization of enzymes.	07

