

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Pharmaceutical Microbiology-II

Subject Code: 4PS06PMI2

Branch: B.Pharm

Semester: 6

Date: 11/04/2017

Time: 2:30 To 5:30

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.
-

Q-1	Define following:	(14)
	a) Immunity	01
	b) Antigen	01
	c) Antibody	01
	d) Virulence	01
	e) Invasiveness	01
	f) Interferon	01
	g) Phagocytosis	01
	h) Vaccine	01
	i) Sera	01
	j) Toxoid	01
	k) Sutures	01
	l) Ligatures	01
	m) Surgical dressing	01
	n) Gene cloning	01

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

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



Q-3	Attempt all questions	(14)
	a) Discuss about structure and types of Immunoglobulins.	07
	b) Enumerate various antigen-antibody reactions. Explain any one in detail.	07
Q-4	Attempt all questions	(14)
	a) Write a note on monoclonal antibody.	07
	b) Write a note on Gene cloning.	07
Q-5	Attempt all questions	(14)
	a) Discuss the production of streptomycin via fermentation process.	07
	b) Write a note on absorbable sutures and non-absorbable sutures.	07
Q-6	Attempt all questions	(14)
	a) Enumerate the types of fermentors. Explain any two.	07
	b) Write a note on primary wound dressing, absorbent surgical cotton and surgical gauze.	07
Q-7	Attempt all questions	(14)
	a) Write a note on plasma substitute.	07
	b) Write a note on dries human serum and dried human plasma.	07
Q-8	Attempt all questions	(14)
	a) Discuss the techniques of immobilization of enzymes.	07
	b) Discuss the scope of biotechnology.	07

