

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Basics of Virology

Subject Code: 4SC02BAV1

Branch: B.Sc.(Microbiology)

Semester: 2

Date: 06/05/2017

Time: 02:00 TO 05:00

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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Q-1	Attempt the following questions:	(14)
	a) Define virus	1
	b) Enlist the name of Human satellite virus	1
	c) Define Prions	1
	d) Enlist the name of method used for B. Phage isolation.	1
	e) Which virus performed lytic or lysogenic cycle?	1
	f) Write a difference between lytic and lysogenic cycle	1
	g) Define B. Phage.	1
	h) Enlist the method used for virus classification.	1
	i) Draw the structure of bacteriophage.	1
	j) Enlist the types of virus transmission	1
	k) Define cancer	1
	l) Enlist the types of cancers	1
	m) Give example of liver cancer	1
	n) Give full form of KSHV	1

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

Q-2	Describe in details discovery of viruses.	(14)
Q-3	Attempt all questions	(14)
A	Write a note on Epstein-Barr virus-linked cancers	7
B	Write a note on characteristics of bacteriophages	7
Q-4	Attempt all questions	(14)
A	Explain in detail: one step multiplication curve	7
B	Write a note on virus classification	7



Q-5	Attempt all questions	(14)
A	Write a note on Mechanical transmission	7
B	Write a note on structure of viruses	7
Q-6		(14)
	Write in details: lysogenic cycle.	
Q-7	Attempt all questions	(14)
A	Write a note on Kaposi's sarcoma	7
B	Explain factor affecting mechanical transmission	7
Q-8	Attempt all questions	(14)
A	Write a note on Polyomavirus-linked cancers	7
B	Write a note on lytic cycle.	7

