Enrollment No:	Exam Seat No:
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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 T0 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.

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
	1)	Enlist the types of cancers	1
	m)	Give example of liver cancer	1
	n)	Give full form of KSHV	1
Attem	ipt any f	Cour 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
	В	Write a note on characteristics of bacteriophages	7
Q-4		Attempt all questions	(14)
	A	Explain in detail: one step multiplication curve	7
	В	Write a note on virus classification	7

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