Enrollmen		UNIVERSITY						
Summer Examination-2019 Subject Name: Region of Virology								
Subject Name: Basics of Virology								
Subject Co	ode: 4SC02BAV1	Branch: B.Sc. (Microbiolog	ch: B.Sc. (Microbiology)					
Semester:	2 Date: 25/04/2019	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.								
Q-1	Attempt the following questi	ions:	(14)					
b c d e f g h i j k l n n	component. True / False. Define: Vaccine. HIV is transmitted by saliva, so Give example of any three labe. What is Antiviral drug? Enlist the methods of virus curbefine: Plant virus. HINs are a group of signaling response to the presence of seconds. Give example of any two Hundle What was the first vaccine even. Rabbit is the most widely emp	A only," and are devoid of any protein sweat & tear. True / False. In animals used for virus cultivation. Itivation. proteins made and released by host centre of pathogens. True / False. In an viruses. It created? It colored lab animal in virology. True / False that inhibit viral nucleic acid synthe	1 1 1 1 1 1 ells in 1					
Q-2 a b	, i	led diagram.	(14) 7 7					

Q-2	a) b)	Attempt all questions Explain Lytic Cycle with labeled diagram. Write a detail note on HIV.	(14) 7 7
Q-3	a)	Attempt all questions What is virus? Give general properties of virus.	(14) 7
	b)	Explain briefly, Procedure for isolation of virus by plaque assay method.	7
Q-4	.)	Attempt all questions	(14)
	a)	Discuss the cultivation of virus in lab animals with advantage &	7



		disadvantage.	
	b)	Differentiate Lytic cycle and Lysogenic cycle.(any 6)	4
	c)	Draw the labeled structure of virus.	3
Q-5		Attempt all questions	(14
	a)	Write down the details on prions.	7
	b)	Write a brief note on Lysogenic cycle with labeled diagram.	7
Q-6			
		Explain the types, mechanism, use, advantage, side effect of viral vaccine.	14
Q-7		Attempt all questions	(14
	a)	What is Interferon? Describe in detail.	7
	b)	Write a short note on Lambda and T4 bacteriophage.	7
Q-8		Attempt all questions	(14
-	a)	Write a detailed note on Hepatitis.	7
	b)	Write a short note on Tobacco Mosaic Virus.	4
	c)	Write a note on Capsid symmetry.	3

