M.Sc.(Microbiology) (CBCS Pattern) Semester - IV PSMBT-14 - Paper-II : Virology

	Pages: 1 ne:Three	е Ноі		GUG/S/23/1140/ Max. Marks : 8	
	Notes :	: 1.	All questions are compulsory and carry equal marks.		_
1.	Ι	Desci	ribe in detail recent ICTV classification of viruses as per 9 th edition 200	8. 1	16
			OR		
	a	ı) .	Add a note on horizontal and vertical transmission of viruses.		8
	b)]	Explain the morphology and structure of enveloped viruses with suitable	e example.	8
2.	F	Expla	ain in detail infectivity assay of viruses with respect to plaque and End p	point method. 1	16
			OR		
	a	1)	Discuss in detail cultivation of viruses using experiment animal and cell	culture.	8
	b)]	Discuss the use of radioactive tracers in chemical assay of viruses.		8
3.	Ι	Desci	ribe in detail identification characteristics and genomics of Tobacco Mo	saic virus. 1	16
			OR		
	a	ı) .	Add a note on Viral diseases and their control.		8
	b) .	Add a note on bacteriophage structural organization.		8
4.			are viral vaccines? Describe genetic recombinant vaccines used in national programme.	onal 1	16
			OR		
	a	a)]	Explain antiviral drugs with suitable example.		8
	b) .	Add a note on replicative strategies employed by DNA viruses.		8
5.	V	Write	e short notes on.		
	a	_	Evolution of viruses.		4
		_	ELISA.		4
			Viruses of Cyanobacteria. Picornavirus.		4
