M.Sc.(Microbiology) Fourth Semester Old MB4-T014 - Virology (VIR) Paper-II

P. Pages: 1

GUG/W/18/2414

Time	e : Three l	Hours	Max. Marks: 80
	Notes:	All questions are compulsory and carry equal marks.	
1.		scuss the different criteria used for naming and classification of virus TV classification of viruses as per 9 th edition, 2008.	es and add note on 16
		OR	
	a)	Explain the morphology and structure of viruses on the basis of en non-enveloped viruses.	veloped and 8
	b)	Explain origin and evaluation of viruses and add note on how virus from other group of microorganisms.	ses are different 8
2.	Ex	splain the Tissue culture technique in virus cultivation.	16
		OR	
	Di	scuss the various methods of purification of viruses.	16
3.	Ex	splain life cycle of plant viruses with suitable example.	16
		OR	
	a)	Discuss the structure of Mosaic virus and explain the symptoms of disease.	plant mosaic 8
	b)	Write a brief account on Lambda P1 bacteriophage.	8
4.		scuss the Epidemiology, Pathogenicity, Lab diagnosis, prevention and	d treatment of Rota 16
		OR	
	a)	Write note on genetic recombinant vaccines used in national immurprogramme.	nization 8
	b)	Explain pathogenicity and prevention of Hepatitis virus.	8
5.	W	rite note on –	
	a)	Icosahedral symmetry.	4
	b)	Radioactivity tracer technique in assay of viruses.	4
	c)	Viruses of cynobacteria.	4
	d)	Write on-antiviral drugs.	4
