11/28/2020 14MBU27

Exam Date & Time: 30-Sep-2020 (10:00 AM - 01:45 PM)



PSG COLLEGE OF ARTS AND SCIENCE

Note: Writing 3hrs: Checking & Inserting Image: 30mins + Grace Time: 15mins

BSc DEGREE EXAMINATION MAY 2020 (Sixth Semester)

Branch - MICROBIOLOGY VIROLOGY 114MBU271

	VIROLOGY (14MBU27)	
Marks: 75		Duration: 225 mins.
	SECTION A	
Answer all	the questions.	
1)	Contagium virum fluidum.	(2)
2)	Symmetry of virus.	(2)
3)	CAM.	(2)
4)	PFU.	(2)
5)	Lysogeny.	(2)
6)	Eclipse.	(2)
7)	Arboviruses.	(2)
8) -	Cytocidal infection.	(2)
9)	Mycoviruses.	(2)
10)	Prions.	(2)
	SECTION B	
Answer all	the questions.	
[11]	Explain the role of viral envelope in pathogenesis.	
		(5)
a)		
[OR]	Draw a neat labeled structure of virus.	(5)
12)	Explain the technique of nanofiltration for the purification of viruses.	(5)
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a)		
[OR]	Explain Heamagglutination assay.	(5)
13)	Exlain in detail the rolling circle of replication of phage DNA.	
		(5)
a) .		
[OR]	Discuss the life cycle of ? phage.	(5)
14)	Briefly outline oncogenic viruses.	
		(5)
a)		
[OR]	What are the enzymes involved in the replication of animal viruses.	(5)
15)	List out the properties of insect viruses.	
a)		(5)
[OR]	Differentiate between animal viruses and plant viruses.	(5)
	SECTION C	
Answer 3 o	out of 5 questions.	
16)	Write an essay about properties of viruses.	(10)
17)	Explain in detail the methods involved in the purification of virus.	(10)
18)	Explain the steps involved in lytic cycle of T4 phage.	(10)
19)	Describe the replication and transcription of RNA viruses.	(10)
20).	Briefly outline the general properties of viroids.	(10)
End		