

Roll No.:

SGT UNIVERSITY**END TERM THEORY EXAMINATION JULY - 2022**

Faculty/College of Study:	Agricultural Sciences	Year/Semester:	2nd Semester
Program:	M.Sc. Agriculture (Plant Pathology)	Duration:	02:00 Hrs.
Course/Subject:	Introductory Plant Virology	Maximum Marks:	40
Course/Subject Code:	11060214	Batch:	2021

Instructions: -

1. Write Your Roll No. on the Question Paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. All Questions are compulsory. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

SECTION-A**(Very Short Answer Type Questions)****Note: All Questions are compulsory: -****[10X1=10]**

S. No.	Question	Marks Allotted
1	Father of Plant Virology?	1
2	Contribution of Ivanowaski in the field of Plant Virology?	1
3	Define TMV.	1
4	Contribution of Stanley in the field of Plant Virology?	1
5	Define Virusoid?	1
6	Contribution of Beijerinck in the field of Plant Virology?	1
7	Give examples of enveloped virus?	1
8	Differentiate between virus and viroid?	1
9	Define capsid and vector?	1
10	Explain significance of "Tulip breaking disease"	1

SECTION-B
(Short Answer Type Questions)

Note: All Questions are compulsory: -

[3X2=6]

S. No.	Question	Marks Allotted
11	Differentiate between phytoplasma and spiroplasma?	2
12	Write short note on mycovirus?	2
13	Differentiate between satellite virus and satellite RNA.	2

SECTION-C
(Descriptive Answer Type Questions)

Note: All Questions are compulsory: -

[3X4=12]

S. No.	Question	Marks Allotted
14	What are general characteristics of virus?	4
15	Define viroid with characteristics and classification of viroid.	4
16	Explain cross protection and its proposed mechanism.	4

SECTION-D
(Long Answer Type Questions)

Note: All Questions are compulsory: -

[2X6=12]

S. No.	Question	Marks Allotted
17	Explain different mode of seed transmission of virus? What are the factors affecting seed transmission of virus?	6
18	Explain fungal transmission Or Nematode transmission of virus with suitable example.	6