

Roll No.:

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

Faculty/College of Study:	Agricultural Sciences	Year/Semester:	2 nd Semester
Program:	M.Sc. Agriculture (Plant Pathology)	Duration:	02:00 Hrs.
Course/Subject:	Epidemiology and Forecasting of Plant Diseases	Maximum Marks:	40
Course/Subject Code:	11060215	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	Define epidemiology?	1
2	Who is father of Epidemiology?	1
3	Define contribution of Vander plank in Epidemiology?	1
4	Define forecasting?	1
5	Define role of K C Mehta in Epidemiology?	1
6	Define BLITECAST?	1
7	Two important books of epidemiology?	1
8	Role of H M Ward in Epidemiology?	1
9	Define significance Irish Famine in Plant Pathology?	1
10	Define remote sensing?	1

SECTION-B
(Short Answer Type Questions)

Note: All Questions are compulsory: -

[3X2=6]

S. No.	Question	Marks Allotted
11	Differentiate between Positive forecast and negative forecast?	2
12	Define "Dutch Rule" in disease forecasting?	2
13	Differentiate between disease pyramid and Disease tetrahedron?	2

SECTION-C
(Descriptive Answer Type Questions)

Note: All Questions are compulsory: -

[3X4=12]

S. No.	Question	Marks Allotted
14	Define epidemics with some classic examples of epidemics occurred in history.	4
15	Define multiple point model with example.	4
16	What is expert system in epidemiology? Explain with suitable example.	4

SECTION-D
(Long Answer Type Questions)

Note: All Questions are compulsory: -

[2X6=12]

S. No.	Question	Marks Allotted
17	What are different factors affecting epidemiology?	6
18	What are new tools in epidemiology? Explain.	6