

Roll No.: .....

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

<b>Faculty/College of Study:</b>	<b>Agricultural Sciences</b>	<b>Year/Semester:</b>	<b>2<sup>nd</sup> Semester</b>
<b>Program:</b>	<b>B.Sc. (Hons.) Agriculture</b>	<b>Duration:</b>	<b>03:00 Hrs.</b>
<b>Course/Subject:</b>	<b>Fundamentals of Plant Pathology</b>	<b>Maximum Marks:</b>	<b>50</b>
<b>Course/Subject Code:</b>	<b>11010206</b>	<b>Batch:</b>	<b>2020 &amp; 2021</b>

**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: -****[12X1=12]**

<b>S. No.</b>	<b>Question</b>	<b>Marks Allotted</b>
1	Define Plant Pathology.	1
2	Define Pathogenesis.	1
3	Define Disease.	1
4	Define Pathogen.	1
5	Define inoculum.	1
6	Define Fungi.	1
7	Define viroid.	1
8	Define Disease cycle.	1
9	Define nematode.	1
10	Define fungal thalli.	1
11	Define phytoplasma	1
12	Define Epidemiology	1

**SECTION-B**  
**(Short Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[4X2=8]**

S. No.	Question	Marks Allotted
13	Differentiate between Epidemic and Endemic disease.	2
14	Differentiate between enzymes and toxins.	2
15	Discuss contribution of Anton de Bary in Plant Pathology.	2
16	What is Disease triangle? Discuss it briefly.	2

**SECTION-C**  
**(Descriptive Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[3X4=12]**

S. No.	Question	Marks Allotted
17	Discuss different types of phanerogamic plant parasites with atleast one example of each group.	4
18	Discuss briefly the steps involved in gram staining. Or Discuss different asexual and sexual fruiting bodies of Fungi.	4
19	Discuss the events that takes place during disease development after landing of the pathogen on host surface. Or Discuss different events in disease cycle.	4

**SECTION-D**  
**(Long Answer Type Questions)**

**Note: All Questions are compulsory: -**

**[3X6=18]**

<b>S. No.</b>	<b>Question</b>	<b>Marks Allotted</b>
20	Classify bacteria on the basis of different shape, flagella and gram reaction.	6
21	Define virus and discuss different characteristic features and composition of viruses.	6
22	Discuss the different modes of dispersal of plant pathogens from diseased to healthy plants in detail.	6