

**C.U.SHAH UNIVERSITY**  
**Winter Examination-2022**

**Subject Name: Discipline Specific Elective-IV (Plant Pathology)**

**Subject Code: 4SC06PPY1**

**Branch: B.Sc. (Microbiology)**

**Semester: 6**

**Date: 22/09/2022**

**Time: 11:00 To 02:00**

**Marks: 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
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<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(14)</b>
	a) Define : Plant pathology	1
	b) What do you understand by Resistance?	1
	c) What do you understand by disease Triangle.	1
	d) Define- oxidative burst	1
	e) Why do you understand by crop rotation?	1
	f) Write down the full form of HR.	1
	g) Stomata is natural openings present in plant. T/F	1
	h) Enlist the name of Biotic pathogen for plants.	1
	i) Enlist any two Indian plant pathologists.	1
	j) Who gave the composition of “Bordeaux mixture”.	1
	k) Enlist any two names of viral plant pathogens.	1
	l) What do you understand about Abiotic plant pathogen?	1
	m) Ring formation as plant disease symptoms caused by .....	1
	n) Lytic cycle is disease development cycle of fungi.T/F	1

**Attempt any four questions from Q-2 to Q-8**

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) Describe in detail about Lysogenic disease cycle of viral plant pathogen with labeled diagram.	7
	b) Write a detail note on role of any two plant pathologist in the field of plant pathology.	7
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) Write down any two methods of plant disease Management.	7
	b) Write down detail note on classification of Plant Pathogen..	7
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a) Briefly describe biochemical defense mechanisms in plant.	7
	b) Write down disease development steps in plant by pathogen.	7



