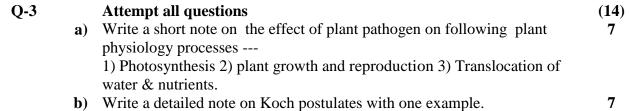
Enrollment No: Exam Seat No:  C.U.SHAH UNIVERSITY  Summer Examination-2022					
Subject Nam	e: Discipline Specific Elective-I	V (Plant Pathology)			
Subject Code: 4SC06PPY1		Branch: B.Sc. (Microbiology)			
Semester: 6	Date: 06/05/2022	Time: 02:30 To 05:30	Marks: 70		
(2) Instru (3) Draw	of Programmable calculator & any actions written on main answer be neat diagrams and figures (if near me suitable data if needed.		nibited.		
Q-1	Attempt the following question	ns:	(14)		
b) c) d) e) f) g) h) i) j) k) l) m) n)	Define: Crop Certification What do you understand by supp What is Plantibodies? Enlist the virulence factors of Vi Why crop rotation is needed? Expand - HR. Draw disease Triangle. Who is the father of Plant pathol Enlist Asexual Fungal reproduct Write down the composition of 'Expand – avr Gene What do you understand about g What does oxidative burst do? Give example of any two natural four questions from Q-2 to Q-8	logy? cion process. "Bordeaux mixture". gene for gene hypothesis? I openings present in plant.	1 1 1 1 1 1 1 1 1 1 1 1		
Attempt any	Tour questions from Q-2 to Q-8				
Q-2 a) b)	Attempt all questions Describe in detail about Lytic di labeled diagram. Write a detail note on role of Ad pathology.	sease cycle of viral plant pathogen lolph Mayer in the field of plant	(14) with 7		





	Attempt all questions	(14)
a)	Briefly describe biochemical defense mechanisms in plant.	7
b)	What is plant resistance? Write a detail note on plant resistance.	4
<b>c</b> )	Write a short note on role of any one Indian plant pathologist.	3
	Attempt all questions	(14)
a)	Write down following disease development steps in plant.	7
	1. Penetration 2. Infection 3. Dissemination	
b)	Briefly describe the Structural defense mechanisms in plant.	7
		(14)
	Explain any three examples of Genetically Engineered Plants with advantage and disadvantage.	
	Attempt all questions	(14)
a)	Write a detail note on Fungal pathogen causing symptoms observed on plant surface.	7
b)	Why disease Control needed? Explain briefly, Any two methods of plant disease control.	7
	Attempt all questions	(14)
a)	Enlist the example of Polycyclic Disease. Write a note on Poly Cyclic disease in detail with labeled diagram.	7
b)	<u> </u>	7
	<ul><li>a)</li><li>b)</li><li>a)</li><li>b)</li></ul>	<ul> <li>b) What is plant resistance? Write a detail note on plant resistance.</li> <li>c) Write a short note on role of any one Indian plant pathologist.</li> <li>Attempt all questions</li> <li>a) Write down following disease development steps in plant. <ol> <li>Penetration 2. Infection 3. Dissemination</li> <li>Briefly describe the Structural defense mechanisms in plant.</li> </ol> </li> <li>Explain any three examples of Genetically Engineered Plants with advantage and disadvantage.</li> <li>Attempt all questions</li> <li>a) Write a detail note on Fungal pathogen causing symptoms observed on plant surface.</li> <li>b) Why disease Control needed? Explain briefly, Any two methods of plant disease control.</li> <li>Attempt all questions</li> <li>a) Enlist the example of Polycyclic Disease. Write a note on Poly Cyclic disease in detail with labeled diagram.</li> </ul>

