

	1) Anton De Bary 2) Adolph Mayer 3) Stakman.	
	b) Describe the symptoms associated with Bacterial plant diseases.	7
Q-4	Attempt all questions	(14)
	a) What is Mono Cyclic disease? Describe it in detail with labeled diagram.	7
	b) Write a brief note on Disease triangle.	4
	c) Write a note on Koch's Postulates.	3
Q-5	Attempt all questions	(14)
	a) Describe the Genetic engineering of disease resistance plants.	7
	b) Explain Poly Cyclic disease in detail with labeled diagram.	7
Q-6	Explain the Stages of disease development in detail.	14
Q-7	Attempt all questions	(14)
	a) Write a note on any three plant disease management methods.	7
	b) Explain briefly ,the following Virulence factors of pathogens important for disease development in plant: 1) Enzymes 2) toxins 3) Growth regulators.	7
Q-8	Attempt all questions	(14)
	a) Briefly describe the Structural defense mechanisms in plant.	7
	b) Define: Resistance gene. Differentiate Vertical & Horizontal plant resistance.(any five points)	4
	c) Discuss the role of Millardet in the field of phytopathology.	3

