Seat No: Enrollment No: PARUL UNIVERSITY COLLEGE OF AGRICULTURE B.Sc.(Hons.)Agriculture, Summer 2017 - 18 Examination				
Semester: 2 Subject Code: 20107152 Subject Name: Fundamentals of Plant Pathology		Date: 26/05/2018 Time: 10:30 am to 01:00 pm Total Marks: 60		
Instructions 1. All questions are compulsory. 2. Figures to the right indicate full marks. 3. Make suitable assumptions wherever necessary. 4. Start new question on new page.	y.			
Q.1 Do as Directed.			(10)	
A. Fill in the blanks.				
1. Technical name of Blitox-50 is _				
2. Blast of rice is caused by disease is		and another to serve on forms and is		
confined to a particular country or disease is		ioderate to severe form and is		
4. Fosetyl-Al is				
5. Fire blight of apple disease was fi	rst time reported by			
6. Collection and destruction of crop de	ebris from field is known as	·		
7. Application of lime in soil reduces to				
the pH of soil.				
8. Application of sulphur in soil re	educes the	disease by		
decreasing the pH of soil.				
9. The means of survival are the		chain or disease cycle.		
10. Trade name of mancozeb is	·			
B. Multiple choice type questions.			(10)	
1. Loranthus is			(10)	
a) Complete root parasite	c) Partial root par	asite		
b) Partial stem parasite	d) Complete stem			
2. Discovered 'Mycoplasma'	a, complete stem	r		
a) X. S. Prusiner	c) Doi and Ishii			
b) Y. Mckinney	d) T. O. Diener			
facultativa parasi	itas can pass thair antira lifa	in the soil		

- 3. ______facultative parasites can pass their entire life in the soil.
- a) Unspecialized

c) Obligate

b) Specialized

d) none

- 4. Tridemorph...
 - a) Beam

c) Bavistin

b) Amistar

- d) Calixin
- 5. Little leaf disease of brinjal is caused by...
 - a) Fungi

c) Bacteria

b) Phytoplasma

- d) Nematode
- 6. Which one is a beneficial plant bacterium?
 - a) Erwinia amylovora

c) Clostridium tetani

b) Rhizobium spp.

- d) Xanthomonas campestris pv. Citri
- 7. Club root of crucifers caused by
 - a) Armillariella mellea

- c) Plasmodiophora brassicae
- b) Synchytrium endobioticum
- d) Ophiobolous graminis
- 8. Rice tungro virus transmitted by_____
 - a) Aphids

c) whitefly

b) Leaf hopper

d) Jassids

	9. Father of Forest pathology			
	a) Miles Joseph	c) E J Butler		
	b) E F Smith	d) Robert Hartig		
	10. Coffee rust disease was introduced in India from			
	a) Sri Lanka	c) Java		
	b) Europe	d) Philippines		
Q-2. A. Define the following. (Any five)				
	1. Antibiotic			
	2. Obligate parasite			
	3. Symptom			
	4. Antisporulant			
	5. Viroids			
	6. Inoculation			
	7. Mycelium			
	B. Answer the following. (Any five)		(05)	
	1. Name three reference books related to this course.		(03)	
	2. Enlist the source of survival of pathogen.	1100.		
	3. Enlist mechanisms of biological control.			
	4. Name the phanerogamic plant parasites.			
	5. Explain plant disease triangle with diagram.			
	6. Enlist the different type of plant resistances.			
	7. Enlist important plant pathogens.			
0.3	Write short notes. (Any five)		(15)	
	1. Explain process of penetration of plant pa	thogen in host during infection.	` /	
	2. Give classification of fungicides based or			
	3. Plant quarantine.	**		
	4. Differentiate between Autoecious rust and He	eteroecious rust,		
	5. Differentiate between Biotroph and Necrotroph.			
	6. Differentiate between Systemic fungicides a	and Non-systemic fungicides.		
0.4	Long questions (any three)		(15)	
ζ	1. Explain in brief: survival.		(10)	
	 Explain in brief: dispersal. 			
	3. Explain in brief: Infection process.			
	4. General principles of plant disease managen	nent.		
	pp.s.s. p.m.s. success managem			