Seat No:	Enrollment No:

## PARUL UNIVERSITY

## COLLEGE OF AGRICULTURE

## B.Sc.(Hons.)Agriculture Supplementary Winter 2018 - 19 Examination

Semester:2 Subject Code :20107152 Subject Name: Fundamentals of Plant Pathology		Date:22/12/2018 Time:10:30 am to 01:00pm Total Marks: 50		
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.				
Q.1 Do as Directed.				
A. Fill in the blanks. (Each of 0.5 marks)			(05)	
1. Father of Indian rust is	•		` /	
2. Application of lime in soil reduces the		disease by increasing		
the pH of soil.				
3. Alternate host of bajra rust is				
4. Alternate host of black stem rust of w	heat disease			
5. Trade name of mancozeb is				
6 discovered satellite v	rirus.			
7. Blast of rice is caused by				
7. Blast of rice is caused by disease is c	onstantly present in a moder	ate to severe form and is		
confined to a particular country or district				
9. Fosetyl-Al is				
10.Reconstructor of Mycology				
B. Multiple choice type questions. (Each of	<b>0.5</b> marks)		<b>(10)</b>	
1. Fire blight of apple disease was first tin	ne reported by	<u></u> .		
a) T. J. Burill	c) P. A. Saccardo			
b) W. M. Stanley	d) Robert Hartig			
2 discovered parasexuality in		e.		
a) Robert Hartig	c) K.C. Mahta d) W. M. Stanley			
3 Alternate host of black stem rust of whe				
a) Barbery	c) weed			
b) pea	d) brinjal			
4 Destructive insects and pests act was pas				
a)1912	c)1914			
b)1935	d)1940			
5 discovered satellite viru				
a)Kassins	c) P. A. Saccardo			
b) W. M. Stanley	d) Robert Hartig			
<ul><li>a) Africa</li><li>b) Phillippines</li></ul>	c) Europe d) Australia			
7 Tridemorph	d) Australia			
a) Beam	c) Bavistin			
b) Amistar	d) Calixin			
8 Collection and destruction of crop debris				
a)Sanitation	c) Exclusion	·		
b)Eradication	d) Quarantine			
9 Father of forest pathology	e, Quarantino			
a) Miles Joseph	c) E J Butler			
b) E F Smith	d) Robert Hartig			
10 discovered first system				
a) Schmeling	c) J. F. Dastur			

1) ** 7 *** 11	
b) K. R. Kirtikar	d) B. B. Mundkur
11. Loranthus is	\D_(!) 1 (**)
a) Complete root parasite	c) Partial root parasite
b) Partial stem parasite	d) Complete stem parasite
12 Discovered 'Mycoplasma'	a) Dai and Jakii
a) X. S. Prusiner	c) Doi and Ishii
b) Y. Mckinney	d) T. O. Diener
	ass their entire life in the soil.
a) Unspecialized	c) Obligate
b) Specialized	d) none
<ul><li>14.Kresoxin methyl fungicide comes under group _</li><li>a) Benzimidazoles</li></ul>	of fungicide c) Pyrimidines
,	d) Strobilurins
<ul><li>b) Acylalanines</li><li>15. Little leaf disease of brinjal is caused by</li></ul>	a) Subbliantis
a) Fungi	c) Bacteria
b) Phytoplasma	d) Nematode
16 Which one is a beneficial plant bacterium?	d) Nematode
	c) Clostridium tetani
a) <i>Erwinia amylovora</i> b) <i>Rhizobium</i> spp.	d) Xanthomonas campestris pv. Citri
17 Club root of crucifers caused by	d) Xuninomonas campesiris pv. Curi
a) Armillariella mellea	c) Plasmodiophora brassicae
b) Synchytrium endobioticum	d) Ophiobolous graminis
18 Rice tungro virus transmitted by	a) Opinoooious graminis
a) Aphids	c) whitefly
b) Leaf hopper	d) Jassids
19 Coffee rust disease was introduced in India from	
a) Sri Lanka	c) Java
b) Europe	d) Philippines
20 Father of biological control	u) 1
a) S D Garrett	c) Doi and Ishii
b) X. S. Prusiner	d) B. B. Mundkur
Q.2 Do as Directed.	.,
A. Define the following. (Any five)	(05)
1. Disease Severity	, ,
2. Disease Incidence	
3. Primary infection	
4. Resistant	
5. Disinfestant	
6. Quarantine	
7. Hyperplasia	
B. Answer the following. (Any Five)	(05)
1. Name three reference books related to this coun	rse.
2. Enlist the source of survival of pathogen.	
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.	
Q.3 Write short notes. (Any five)	(10)
1. Explain process of penetration of plant pathog	
2. Give classification of fungicides based on met	nods of application.
3. Plant quarantine  4. Differentiate between Autoesians rust and Hot	taraacious rust
4. Differentiate between Autoecious rust and Het  5. Differentiate between Biotroph and Negrotroph	•
<ul><li>5. Differentiate between Biotroph and Necrotrop</li><li>6. Differentiate between Systemic fungicides and</li></ul>	
Q.4 Attempt any Three/Long Questions/Example	(15)
1. Explain in brief: survival.	(13)
2. Explain in brief: dispersal.	
3. Explain in brief: Infection process.	
<ul><li>4. General principles of plant disease management</li></ul>	ent.
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