

KERALA AGRICULTURAL UNIVERSITY B. Sc. (Hons.) C & B 2018 Admission II Semester Final Examination-August-2019

Path.1201

Fundamentals of Plant Pathology (2+1)

Marks: 50

		1)	me: 2 nours
I		Fill in the blanks	(10x1=10)
	1	Soft rot pathogens produce mainly enzymes.	,
	2	An example for disease caused by viroid in coconut is	
	3		
	4	An example for arbuscular mycorrhizal fungus	
	5	Chain of events in the disease development is called	
		State True or False	
	6	Club root of cabbage caused by <i>Plasmodiophora brassicae</i> is favoured under the soil.	acidic pH of
	7	The fastidious bacteria, <i>Xyllella fastidiosa</i> causing pierce disease in grapes is inhabiting.	phloem
	8	Vertical resistance is durable.	
	9	The term 'contagium vivum fluidum'was coined by M W Beijernick.	
	. 10	Black heart disease of potato is due to inadequate oxygen at storage condition	•
II		Write short notes on ANY FIVE of the following	(5x2=10)
	1	Sporadic disease.	
	2	Alternate host.	
	3	Polycyclic disease.	
	4	Disease tetrahedran.	
	5	Phytoplasma.	
	6	Obligate parasite.	
	7	Heterokaryosis.	
. III		Answer ANY FIVE of the following	(5x4=20)
	1	Ectomycorrhiza.	
	2	Pectinolytic enzymes.	
	3	Phyto alexins.	
	4	Phanerogamic plant parasites.	
	5	Persistant virus and non persistent virus.	
	6	Sexual reproduction in bacteria.	
	7	Parasexualism.	
IV		Write an essay on ANY ONE of the following	(1x10=10)
		The state of the s	

What is toxins? How it differ from enzymes. Give the classification of toxins with suitable examples.

Biochemical defense mechanism of the host plant against pathogens.
