## KERALA AGRICULTURAL UNIVERSITY

## B.Sc. Hons. (Agriculture) – 2007 Admission - V<sup>th</sup> Semester Final Examination - January 2010

Max. marks: 80

Cat. No.: Path 3103

itie	: Diseases of Field Crops and Time : 3 hour their Management (2+1)
	Fill up the blanks Marks: 10 x 1= 10
1	disease in rice is due to zinc deficiency
2	
3	Yellow mosaic virus disease in pulses is transmitted by the vector
4	
5	
6.	
	downy mildew disease.
7.	Black arm of cotton is caused by
8.	
9.	
1 (	is a selective (organ phosphate) fungicide for the management of disease caused by <i>Phytophthora</i> .
	Write short notes (Any ten) $10 \times 3 = 30$
1. 2.	0.1
	and the management of the management of the fundamental seed both the fundament diseases.
3.	P
4.	
5.	g
6.	Compare and contrast the symptoms of rice blast and brown leaf spot of rice.
7.	
8.	of any of the state of the stat
	Pythium spp.
9.	January and to construct of all and the constructions and the constructions and the constructions are constructed and the constructions are constructed as the construction of the constru
	. Viral diseases and vectors relationship.
11	. Phytoplasma disease of field crops.

12. Selective fungicides for the management of powdery mildew disease

## III. Short Essays (Any Six)

 $6 \times 5 = 30$ 

- 1. Role of antibiotics in Plant Disease Management.
- 2. Compare and contract various types symptoms due sheath blight and sheath of disease of rice and write briefly the integrated management of these diseases.
- 3. Factors responsible for the outbreak of rice blast and write briefly the integrated management of the disease.
- 4. List out important powdery mildew disease of pulses with casual organisms. Draw common life cycles of the pathogens.
- 5. Important diseases of potato with special reference to symptoms.
- 6. Write briefly the classification of non-systemic fungicides with suitable examples.
- 7. List out important common diseases of cucurbits with causal organisms and Write briefly the management of powdery mildew and downy mildew disease.
- 8. Non parasitic diseases of field crops.

## IV. Write essay (Any One)

 $1 \times 10 = 10$ 

- 1. List out important diseases of cereals Write in details about the symptoms of three rust disease of wheat with life cycles.
- 2. List out important diseases sugarcane and cotton. Write the symptoms, epidemiology and integrated disease management of red rot disease of sugarcane.