

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Ag 2013 Admission
Vth Semester Final - Examination- February-2016

Cat. No: Path. 3103

Marks: 50.00

Title: Disease of Field crops and their management (2+1)

Time: 2 hours

I Fill up the blanks

(10 x 1=10)

1. Club root of cabbage is serious in _____ soil
2. Seed borne bacterial disease in cabbage _____
3. A storage disease of onion _____
4. The vector for brinjal little leaf _____
5. A nematode associated with bacterial disease in wheat _____
6. A widely used gene promoter in transgenic crops _____
7. Fruit rot of chillies is caused by _____
8. _____ is a destructive viral disease of cassava
9. A phytoplasma disease in tomato is _____
10. _____ disease in rice is due to zinc deficiency

II Write short notes on any FIVE questions

(5 x 2=10)

1. Name the vector and the different symptoms produced by sterility mosaic disease
2. Physical methods for the management of internally seed borne fungal diseases
3. Discuss the eco friendly management of dry root rot of pulses
4. Write short notes on the two phanerogamic parasites you have studied
5. Give two example of oidiopsis type of powdery mildew and describe the symptoms
6. Write short note on the soil borne diseases of tobacco
7. Write the management of cassava mosaic virus

III Write short essay on any FIVE questions

(5 x 4=20)

1. Sheath rot and sheath blight of rice
2. Fusarial and verticillium wilt of cotton
3. Smut and smudge of onion
4. Black leg and black rot of crucifers
5. Late and early blight of potato
6. Grassy shoot and ratoon stunting of sugarcane
7. Grain smut and head smut of sorghum

IV Write essay on any ONE

(1 x 10=10)

1. List down the important diseases of wheat with its casual organism and write the symptoms , disease cycle and integrated management of any 4 diseases
2. Discuss the viral and phytoplasma diseases of rice ,pulses , potato ,brinjal ,sesame and write their management