

KERALA AGRICULTURAL UNIVERSITY

B.Sc.Hons (Ag) 2014 Admission

IIIrd Semester Final Examination-February -2016

Cat. No: Path.2102

Marks: 50.00

Title: Principles of Crop Disease Management (1+1)

Time: 2 hours

I Fill up the blanks

(10 x 1=10)

1. Bordeaux mixture was discovered by _____
2. Gene for gene concept was proposed by _____
3. Bunchy top disease of banana was introduced to India from _____

Name the following

4. A Botanical which has anti viral property
5. A bacteria which is used as bio control agent
6. An anti fungal antibiotic
7. An emulsifier
8. The most widely used technique for serological indexing

Define

9. Horizontal resistance
10. Transgenic plant

II Write short notes on any Five questions

(5 x 2=10)

1. Biological control of plant diseases
2. Plant quarantine
3. Physical methods for plant disease management
4. Classification of fungicides based on mode of action
5. Characteristics of an ideal fungicide
6. Corn injection method for the management of Panama disease of banana
7. Selective fungicides for the management of rice blast.

III Answer any Five questions

(5 x 4=20)

1. Role of weather factors on disease development
2. Structural and Bio chemical defense mechanisms in plants
3. Preparation of 1% Bordeaux mixture, Merits and demerits of this mixture
4. Commercial production of *Trichoderma viride*
5. Biotechnological approaches in plant disease management
6. Methods of exclusion in plant disease management
7. Various methods of application of fungicides

IV Write essay on Any ONE

1. Discuss about integrated plant disease management.
2. Classification of fungicides based on chemical nature

(1 x 10=10)