

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Agriculture 2015 Admission  
III<sup>rd</sup> Semester Final Examination-February-2017

Cat. No: Path.2102

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

Marks: 50.00

Time: 2 hours

## I. Fill up the blanks

(10x1=10)

1. A chemical used for soil fumigation is-----
2. Solar heat treatment of wheat was discovered by -----
3. A post inflectional defense mechanism in which protrusions occur into xylem vessels is known as-----
4. The quarantine regulation act of India is known as -----
5. -----is a phytoalexin produced in solanaceous plants.
6. A self replicating extra chromosomal circle of DNA is known as -----
7. ----- is a certificate of health, which accompanies plants or plant products to be exported/ imported.
8. ----- is the fungitoxic ingredient of Bordeaux Mixture.
9. The most widely used technique for serological indexing is -----
10. Bunchy top of banana is introduced to India from -----

## II. Write short notes/answers on any FIVE of the following

(5x2=10)

1. Epidemic and endemic diseases
2. Siderophores
3. Collateral host
4. Cross protection
5. Disease index
6. Systemic induced resistance
7. Multiline

## III. Write short answers on any FIVE

(5x4=20)

1. Explain role of weather factors in plant disease development and spread.
2. What is soil solarization? Give the procedure and its use.
3. Give an account on methods of application of fungicides.
4. Explain different measures adopted in plant quarantine.
5. Describe the use of crop rotation in plant disease management.
6. Give an account on qualities of good fungicide.
7. List out triazole fungicide, their use in disease control and modes of action.

## IV. Write essay on any ONE

(1x10=10)

1. Explain Integrated plant disease management, its advantages and components with suitable examples.
2. Role of biotechnology in plant disease management.

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