

# KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2010 Admission

V<sup>th</sup> Semester Final Examination- January /February -2013

Cat. No: Path.3103

Marks: 80

Title: Disease of Field Crops and their Management (2+1)

Time: 3 hours

## I Fill up the blanks /State True or False

(10 x 1=10)

1. Little leaf of brinjal is transmitted by \_\_\_\_\_
2. Pathogens causing white rust belong to the genus \_\_\_\_\_
3. Beans Antracnose is caused by \_\_\_\_\_
4. Pigeon Sterility Mosaic is transmitted by \_\_\_\_\_
5. Mungbean yellow mosaic virus of pulses is transmitted by \_\_\_\_\_
6. Sugarcane red rot is spread in the field by \_\_\_\_\_
7. Peanut bud necrosis virus (PBNV) is transmitted by aphids-True/False
8. Over crowding of seedling favours damping off incidence- True/False
9. Ridomil is used against oomycetes- True/False
10. Browning of vascular bundles is typically found in verticillium wilts- True/False

## II Write Short notes on ANY TEN

(10 x 3=30)

1. Factors responsible for the incidence and spread of Maize Downey mildew.
2. Symptoms of Chilli die back and fruit rot.
3. Differentiate between phytophthora and pythium.
4. Symptoms and mode of spread of onion blight.
5. Symptoms and Management of black leg of Cabbage.
6. Management of dry root rot of pulses.
7. Important management practices for downy mildew of sorghum.
8. Management of black scurf of potato.
9. Factors responsible for the incidence and spread of cotton Areolate mildew.
10. Management of cassava mosaic.
11. Symptoms of sugarcane sett rot.
12. Factors responsible for the incidence and spread of black shank of tobacco.

**III Write short essays on ANY SIX of the following**

**(6 x 5 =30)**

1. Describe the symptomology and management of Potato early blight, late blight and potato wart.
2. Mention important diseases of cotton and their casual organism. Compare wilt and root rot of cotton with reference to management and factors conducive for disease incidence.
3. Describe the virus diseases of rice, their importance, transmission and management.
4. Mention important diseases of groundnut and their casual organism. Describe the symptoms and management of late spot and stem rot of Groundnut.
5. Describe the various symptoms produced by bacteria with examples.
6. List important diseases of bendi and describe the management of Bhendi vein clearing and fungal wilt.
7. Write down the symptoms of different rust diseases in wheat.
8. Explain the biological control strategies for management of diseases with suitable examples.

**IV Write essay on ANY ONE**

**(1 x 10=10)**

1. Describe in detail the etiology, epidemiology, mode of spread and symptoms of rice blast along with the integrated management practices.
2. Mention the seed borne diseases of Rice, Wheat and Maize with casual organism along with their symptoms and integrated management practices.

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