



KERALA AGRICULTURAL UNIVERSITY

B. Sc. (Hons.) Ag . 2016 Admission

IV Semester Final Examination-July-2018

Path.2203

Diseases of crops and their management I (2+1)

Marks: 50

Time: 2 hours

(10x1=10)

I Fill in the blanks:

- 1 Bengal famine was due to.....disease of paddy
- 2 Bhendi Yellow Vein Mosaic Virus transmitted by
- 3 Primary source of inoculum for sorghum downy mildew is.....
- 4 White rust of mustard is caused by
- 5 Red scaled onion resistant to smudge having the chemical compounds such as-----

Define

- 6 Alternate host
- 7 Damping off
- 8 Autocious rust
- 9 Primary inoculum
- 10 Poly cyclic disease

II Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Differentiate between Fusarium wilt and Verticillium wilt of cotton.
- 2 Differentiate early leaf spot and late leaf spot of groundnut
- 3 Write the symptoms and etiology of leaf blight of sesamum..
- 4 Explain disease, symptoms, spread and epidemiological factors favourable for paddy blast disease
- 5 Write the symptoms and management of cucumber downy mildew.
- 6 Write the symptoms and management of bean rust.
- 7 Write causal agent and characteristic symptom of any two diseases of soybean.

III Answer ANY FIVE of the following

(5x4=20)

- 1 Write the symptoms and management of grassy shoot of sugarcane along with mode of transmission.
- 2 Write the symptoms, disease cycle and management of sunflower downy mildew.
- 3 List the economic important diseases of chilli; describe the symptoms and management of chilli anthracnose.
- 4 Describe the symptoms and management of turcicum leaf blight and rust diseases of maize.
- 5 What are the salient symptoms of phomopsis blight of brinjal? How do you manage
- 6 Write the symptoms, etiology, spread and management for tomato leaf curl disease.
- 7 Write the symptoms, disease cycle and management of bhendi powdery mildew.

IV Write an essay on ANY ONE of the following

(1x10=10)

- 1 List the important diseases of wheat and write symptoms, etiology, disease cycle, epidemiology and management of black stem rust disease of wheat.
- 2 List the diseases of potato and write symptoms, etiology, disease cycle epidemiology and management of late blight of potato.
