



**KERALA AGRICULTURAL UNIVERSITY**  
**B. Sc. (Hons.) Ag. 2017 admission**  
**IV Semester Final Examination-August-2019**

Path.2203

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

**Marks: 50**  
**Time: 2 hours**

**I**

**Fill in the blanks**

**(10x1=10)**

- 1 .....is the suitable fungicide for the management of rice blast.
- 2 Buck eye rot in tomato is caused by.....
- 3 Irish famine occurred during the year.....
- 4 Bhendi yellow vein mosaic is transmitted by.....
- 5 Grassy shoot in sugarcane is caused by.....

**State True or False**

- 6 The uredosores of *Puccinia graminis tritici* causing stem rust of wheat can travel around hundreds of kilometers.
- 7 Tobacco Mosaic Virus is transmitted by insect vector.
- 8 Alkaline soil favours the incidence of club root of cabbage in crucifers.
- 9 In Ascochyta blight of Bengal gram the black dots on stem and pods indicate the presence of pycnidia.
- 10 Drought followed by heavy rain favours the incidence of downy mildew disease in sorghum.

**II**

**Write short notes on ANY FIVE of the following**

**(5x2=10)**

- 1 Symptoms of chilli fruit rot and die back.
- 2 Aerated steam therapy.
- 3 List out the weather factors which favour the occurrence of Bacterial Leaf Blight in rice.
- 4 Pigeon pea sterility mosaic virus and its management.
- 5 Symptoms of soft rot in carrot.
- 6 Symptoms of Mungbean Yellow Mosaic Virus.
- 7 Symptoms and management of rice tungro virus.

**III**

**Answer ANY FIVE of the following**

**(5x4=20)**

- 1 Differentiate early tikka and late tikka leaf spot diseases in groundnut.
- 2 Brinjal little leaf, symptoms and management.
- 3 Symptoms and management of club root of cabbage.
- 4 Differentiate sheath blight and sheath rot of rice.

**P T O**

- 5 Symptoms and management of late blight of potato.
- 6 Sugarcane red rot, symptoms and management.
- 7 Onion purple blotch, symptoms and management.

**IV**

**Write an essay on ANY ONE of the following**

**(1x10=10)**

- 1 Explain in detail about the symptoms, mode of spread and survival, epidemiology and management of stem rust of wheat.
- 2 Explain in detail about the viral diseases of groundnut.

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