



KERALA AGRICULTURAL UNIVERSITY
B.Sc.(Hons.) Ag. 2016 Admission
V Semester Final Examination-February-2019

Path.3104

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

Marks: 50
Time: 2 hours

I State True or False (10x1=10)

- 1 Production of basidiocarp at the base of the coconut trunk is a characteristic symptom of stem bleeding.
- 2 Metalaxyl is a selective fungicide for the management of downy mildew disease.
- 3 Vector of cardamom katta disease is *Pentalonia nigronervosa*.
- 4 Sapota flat limb is a disorder due to molybdenum deficiency.
- 5 Insects play a major role in spreading apple fire blight disease.

Fill in the blanks

- 6 Longitudinal splitting of pseudostem in banana is a characteristic symptom of disease.
- 7 Apple scab is caused by
- 8 Coconut bud rot pathogen spreads mainly by asexual spores namely
- 9 Powdery mildew of mulberry is caused by
- 10 Coffee rust pathogen spreads by spores.

II Write Short notes on ANY FIVE of the following (5x2=10)

- 1 Quick wilt of pepper
- 2 Sooty mould
- 3 Mahali disease
- 4 Apple fire blight
- 5 Swollen shoot
- 6 Citrus quick decline
- 7 Foot rot of papaya

III Answer ANY FIVE of the following (5x4=20)

- 1 Panama and Moko wilt of banana.
- 2 Symptoms of mango anthracnose.
- 3 Symptoms and management of coconut bud rot.
- 4 Pod rots in cocoa and management.
- 5 Differentiate powdery mildew and downy mildew of grapes.
- 6 Symptoms and management of black spot and powdery mildew of rose.
- 7 Symptoms and management of canker and gummosis of citrus.

IV Write an essay on ANY ONE of the following (1x10=10)

- 1 List out major diseases of banana with causal organisms and vector. Describe symptoms, pathogen character, disease cycle and management of Panama wilt with diagrams.
- 2 List out major diseases of coconut with causal organisms and vector. Describe symptoms, pathogen character, disease cycle and management of basal stem rot (Tanjore wilt) with diagrams.
