



KERALA AGRICULTURAL UNIVERSITY
B.Sc.(Hons.)Ag. 2017 Admission
III Semester Final Examination-January-2019

ath.2102

Principles of integrated plant disease management(1+1)

Marks: 50
Time: 2 hours

- I Fill in the blanks (10x1=10)**
- 1 The active ingredient present in neem based formulation is -----
 - 2 The virus attacking bacteria is known as-----
 - 3 A beneficial symbiotic association of fungus and plant roots is known as-----
 - 4 The iron chelating compound of rhzosphere bacteria is -----
 - 5 The plant nutrient inducing resistance in plants is-----
 - 6 Gene for gene concept was proposed by-----
 - 7 Luthra's solar seed treatment was proposed for management of ----- disease.
 - 8 ----- is a technique for detection of viruses in planting materials.
 - 9 The certificate of health which accompanies plants/plant products to be exported or imported is known as-----
 - 10 The disease responsible for Irish famine is-----
- II Write Short notes on any FIVE of the following (5x2=10)**
- 1 Boom and burst cycle.
 - 2 Disease pyramid.
 - 3 Methods for enforcement of plant quarantine.
 - 4 Survey, surveillance, vigilance.
 - 5 Soil solarization.
 - 6 Disease assessment.
 - 7 Botanicals in plant disease management.
- III Answer any FIVE of the following. (5x4=20)**
- 1 New generation fungicides.
 - 2 Different types of forecasting.
 - 3 IDM of vegetables.
 - 4 Methods of application of bio control agents.
 - 5 Mode of action of sulphur fungicides.
 - 6 Fungicide formulations.
 - 7 Factors governing development plant epidemics.
- IV Write an essay on any ONE of the following (1x10=10)**
- 1 Role of biotechnology in plant disease management.
 - 2 Principles of plant disease management and use of cultural practices in plant disease management.
