

KERALA AGRICULTURAL UNIVERSITY  
B.Sc. (Ag) 2003 Admission - V Semester Final Examination  
July/August 2006

203-55

Path 305  
Diseases of Plantation Crops (2+1)

Max. Marks: 60  
Time: 2½ hours

I. Write the Causal organism for the following diseases 20 X 0.5 = 10.00

1. Coconut grey blight
2. Arecanut Aneberoga
3. Cinnamon anthracnose
4. Cocoa charcoal pod rot
5. Ginger leaf spot
6. Vanilla leaf blight
7. Oil palm bunch rot
8. Cardamom nursery leaf spot
9. Turmeric leaf blight
10. Rubber powdery mildew

Name the following (Answer in one word)

11. Vector transmitting Cardamom mosaic
12. Vector transmitting Cocoa swollen shoot
13. Sexual spores of *Pythium*
14. A soil fumigant used to control soil borne pathogen
15. Disease that devastated Sri Lankan economy during the end of 19<sup>th</sup> century.

Write true or false

16. *Cuscuta* is a flowering parasite
17. *Cephalosporium* is an algal rust
18. Cardamom capsule rot is caused by *Colletotrichum*
19. *Phytophthora* survives in soil as zoospores
20. Bracket is the basidiocarp produced by *Macrophomina*

II. Write the answers in one or two sentences

6 X 1 = 6.00

(a) Write the symptoms of

1. Foot rot of black pepper
2. Bud rot of coconut
3. Ginger bacterial wilt
4. Pink disease of rubber
5. Cardamom capsule rot
6. Pepper Pollu disease

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III. Write the answers in few sentences (Answer any six questions only) 6 X 2 = 12.00

Give the management practices for the following diseases

1. Cardamom Mosaic
2. Ginger soft rot
3. Arecanut yellow leaf disease
4. Cocoa swollen shoot
5. Oil palm bud rot
6. Pepper foot rot

Differentiate

7. Rubber abnormal leaf fall X secondary leaf fall
8. Coconut stem bleeding X *Genoderma* wilt

IV. Write short notes on the following (Answer any four questions only) 4 X 3 = 12.00

1. Write the symptoms and etiology of different *Mentha* diseases
2. Compare different leaf diseases of turmeric.
3. Describe different diseases of cocoa
4. Write briefly on different root diseases of tea
5. List out the diseases affecting vanilla crop and write short notes on vanilla leaf spot
6. Write the symptoms, etiology and management practices for nut mug leaf spot and fruit rot.

V. Write short essays in detail (Answer any FIVE questions only) (5 x 4 = 20)

1. (a) Give an account of Palmarosa diseases.  
(b) Give brief note on leaf diseases of clove
2. Write in detail about different symptoms and management practices for (a) Arecanut *Mehali* (b) Coconut root wilt
3. Describe the symptoms, life cycle, pre-disposing factor and management of Coffee leaf rust and leaf spot
4. Describe the symptoms and management practices for (a) Cocoa pod rot  
(b) Turmeric rhizome rot
5. List out the important diseases of Tea with causal organism and describe the symptoms, favourable condition, mode of spread and management practices for tea blister blight disease.
6. Write in detail about Rust of Coffee.