

KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Ag) 2006 Admission VI Semester Final Examination
July / August 2009

Path 3205
Diseases of horticultural crops (1+1)

Max. Marks: 60
Time: 2 hours

I.A. Fill up the blanks

20x0.5=10.00

1. Pollu disease of Pepper is caused by-----
2. Mahali disease of Arecanut is caused by-----
3. Pink disease of Cashew is caused by-----
4. Thread blight of ginger is caused by -----
5. Black spot of Rose is caused by-----

I.B. State True or False

6. Presence of Basidiocarp in the coconut tree is the symptom for stem bleeding disease
7. Clamp Rot of Cardamom is caused by Cardamom mosaic virus
8. *Mycena citricolor* is causing American leaf spot in Coffee
9. Soft rot of Ginger is a soil borne disease
10. Yellow leaf disease in Arecanut is a physiological disorder

I.C Name the following

11. Name the vector for quick decline of citrus
12. Name the vector for mosaic in cardamom
13. Name the virus responsible for swollen shoot of Cocoa
14. Name the Pathogen responsible for Bark canker of cinnamon
15. Name the Pathogen responsible for Secondary leaf fall of rubber

ID. Choose the correct answer

16. Tatipaka is
 - a. A *Pathogen* causing disease in coconut
 - b. a Village
 - c. Pathologist who worked on Coconut
 - d. None of the above
17. A disease, which is caused by fungus-nematode complex
 - a. Kerala wilt in coconut
 - b. Slow wilt in pepper
 - c. Redroot rot on Tea
 - d. None of the above

18. Cumin powdery mildew is
- Ovulariopsis type
 - Oidium type
 - Oidiopsis
 - None of the above
19. A disease, which survives through resting spores
- Tea blister blight
 - Swollen shoot of Cocoa
 - Coconut Kerala wilt
 - Koleroga of Coffee
20. Stem gall of Coriander is caused by
- Colletotrichum capsici*
 - Agrobacterium tumefaciens*
 - Protomyces macrosporus*
 - None of the above

II. Write the answer in one or two sentences

14x1=14.00

- Write the etiology for Bud rot of Coconut
- Write the symptoms for Thread blight of tea
- Comment on Peries in rubber
- Write the symptom for Bacterial wilt of ginger
- Comment on yellow disease of Ginger
- Comment on the spread of Coffee rust
- Write the symptom for Quick wilt of pepper
- Write the etiology for berry disease of Coffee
- Write the etiology for Brown root disease of tea
- Write the symptom for Basal stem rot of Coconut
- Write the etiology for Thread blight of Pepper
- Mention two important diseases of Eucalyptus
- Write the etiology for Yellow leaf spot of Arecanut
- Write the symptom for Abnormal leaf fall of Rubber

IV. Answer **any eight** questions

8x2=16.00

- Write etiology and management for nursery leaf spot of Cardamom
- Comment on Rhizome rot of ginger
- List out the diseases of Orchids

4. Explain about the Stump rot of pepper
5. Write short notes on little leaf of Palmarosa
6. List out the diseases of Oilpalm
7. Write short notes on sudden death of Clove
8. List out the diseases of Betelvine
9. Write short notes on tapping panel disease
10. Comment on Inter root disease of tea

V. Answer **any five** questions

5x 4=20.00

1. Write in detail about the Basal stem rot and Kerala wilt of Coconut (Symptom, etiology, spread and Management).
 2. List out the various diseases affecting tea. Discuss about symptom and management of tea blister blight.
 3. List out the various diseases affecting Rubber and discuss about the management of powdery mildew and abnormal leaf fall.
 4. Discuss about the symptom and management of fungal diseases of cardamom
 5. Write the management practices for the following diseases
 - a. soft rot of Ginger
 - b. Powdery mildew of Fenugreek
 - c. Tea grey blight
 - d. Pollu disease of pepper
 6. Discuss about the symptom and management of various diseases affecting Rose and Jasmine.
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