KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2010 Admission

VI th Semester Final Examination- July /August -2013

Cat. No: Path.3204 **Marks: 80**

Title: Diseases of Horticultural Crops & their Management (2+1) **Time: 3 hours**

QI. a. Match the following **5x1 =5.0**

a. Panama wilt of banana	1. *Plasmopara viticola*
b. Moko wilt	2. *Fusarium oxysporum* f.sp. *cubense*
c. Quick wilt of pepper	3. *Uncinula necator*
d. Downy mildew of grapes.	4. *Phytophthora capsici.*
e. Powdery mildew of grapes.	5. *Ralstonia solonacearum*

b. Write true or false. **5x1 = 5.0**

1. Inflorescence die back of arecanut is caused by *Phytophthora capsici.*
2. Bunchy top of banana is transmitted by white fly.
3. Swollen shoot of cocoa is transmitted by mealy bug.
4. Abnormal leaf fall caused by *Phytophthora palmivora* is an important disease in rubber.
5. Coffee rust in Srilanka was responsible for change in cropping pattern.

QII. Write short notes on any ten **(10x 3 = 30)**

1. Flat limb of Sapota
2. Black tip of mango
3. Pollu disease
4. Cadang cadang of coconut
5. Important disease of anthurium
6. Post harvest disease of pineapple
7. Cigar end rot
8. Thread blight of tea
9. Black mould rot
10. Sooty mould
11. Red rust of mango
12. Pink disease of Jack

QIII. Write short essays about important symptoms and disease cycle of <u>ANY SIX</u> of the following (6 x 5= 30)

1. Bud rot of coconut
2. Inflorescence die-back in arecanut.
3. Black pod rot of cocoa
4. Capsule rot of cardamom
5. Blister blight of tea.
6. Moko wilt of banana
7. Coffee rust
8. Apple scab

QIV. Write essay on <u>ANYONE</u> of the following (1 x 10= 10)

1. Symptoms, cause , disease cycle and integrated management of foot rot of pepper.
2. Symptoms, cause , disease cycle and integrated management of abnormal leaf fall of rubber.