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KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Agriculture 2014 & Previous Admissions
VI Semester Final Examination-August-2017

Path.3204

Diseases of Horticultural Crops and their Management (2+1).

Marks: 50

Time: 2 hours

I State True or False

(10x1=10)

- 1 ✓ Vector of banana bunchy top virus (BBTV) is *Bemisia tabaci*.
- 2 ✓ Abnormal leaf fall is a summer season disease of rubber.
- 3 ✓ *Hemelia vastatrix* is a fungal pathogen causing rust disease in rubber.
- 4 ✓ Pollu disease of pepper is a viral disease.
- 5 ✓ Fire blight of apple is caused by *Venturia inaequalis*.

Match the following

- | | |
|---------------------|-----------------------|
| 6 Horse hair blight | a Banana |
| 7 Witches broom | b <i>Pythium sp.</i> |
| 8 Stem bleeding | c <i>Marasmius sp</i> |
| 9 Moko wilt | d Cocoa |
| 10 Damping off | e Coconut |

II Write short notes on any FIVE

(5x2=10)

- 1 Thanjavur wilt of coconut
- 2 Swollen shoot of cocoa
- 3 Epidemiology of *Phytophthora* disease of crops
- 4 Symptoms of pink disease of mango.
- 5 Etiology and symptoms of red rust disease.
- 6 Symptoms and management of black rot of rose.
- 7 Symptoms of postharvest disease of pineapple.

III Answer any FIVE

(5x4=20)

- 1 ✓ Symptoms, etiology and management of panama wilt of banana.
- 2 ✓ Management of root diseases of rubber.
- 3 ✓ Use of bio agents for disease management.
- 4 ✓ Rust diseases of tea and their management.
- 5 ✓ Etiology and management of major nutmeg diseases.
- 6 ✓ Symptoms of gummosis of citrus and their management.
- 7 ✓ Foliage diseases of turmeric and their management.

IV Write essay on any ONE

(1x10=10)

- 1 Symptoms, etiology, epidemiology and integrated management of root (wilt) disease of coconut.
- 2 Symptoms, etiology, disease cycle and management of quick wilt of pepper
