

# KERALA AGRICULTURAL UNIVERSITY

B.Sc.Hons (Forestry) 2014 Admission  
III<sup>rd</sup> Semester Final Examination-February -2016

Cat. No: Fmau 2103  
Title: Forest Pathology (2+1)

Marks: 50.00  
Time: 2 hours

I Match the following:

(10 x 1=10)

- |                       |                           |
|-----------------------|---------------------------|
| 1. Rust fungi         | a) Resting/ Dormant stage |
| 2. ELISA              | b) Spore with flagellum   |
| 3. Plasmogamy         | c) Bio-control agent      |
| 4. Agar Agar          | d) Timber decay           |
| 5. Basidiomycetes     | e) Ascomycetes            |
| 6. Powdery mildews    | f) Club shaped structure  |
| 7. <i>Trichoderma</i> | g) Solidifying agent      |
| 8. Zoospore           | h) Union of protoplast    |
| 9. Basidium           | I) Detective tool         |
| 10. Chlamydospore     | j) <i>Cronortium</i> sp   |

II Write short answer of any Five questions

(5 x 2=10)

1. Pandemic diseases
2. Parasexuality
3. Parasitism
4. Endemic diseases
5. Plasmogamy
6. Rouging
7. Cross protection

III Explain any Five of the following:

(5 x 4=20)

1. Pink disease of *Eucalyptus* sp
2. General symptoms of Forest disease
3. Important diseases of Teak
4. Dutch elm disease
5. Write a note on timber/wood rotting fungi
6. Integrated disease management practices in Forest Pathology
7. Explain the various methods of sexual reproduction in fungi

IV Explain any ONE of the following

(1 x 10=10)

1. Explain the important disease of *Acacia* species ( symptoms & management)
2. Diagrammatically explain the disease cycle of root rot of forest trees.