

**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc (Forestry) 2015 Admission**  
**I<sup>st</sup> Semester Final Examination-March -2016**

Cat. No: Tbpr 1101  
Title: Dendrology (2+1)

Marks: 50.00  
Time: 2 hours

**I Fill in the blanks**

(10 x 1=10)

1. Sugarcane plant belongs to family \_\_\_\_\_
2. Rosewood belongs to family \_\_\_\_\_
3. Most of the Rhizophoraceae members present in \_\_\_\_\_ type of habitats
4. The most important medicinal plant *Withania somnifera* belongs to family \_\_\_\_\_
5. \_\_\_\_\_ is the economically important part in *Vetiveria zizanioides*
6. \_\_\_\_\_ is the economically important part in Lemon grass
7. Cotton plant belongs \_\_\_\_\_ family
8. Gum karaya yields from the tree \_\_\_\_\_
9. An International Code of Botanical Nomenclature come into being in the \_\_\_\_\_ year
10. Dendrology is the study of \_\_\_\_\_

**II Write short notes on any FIVE**

( 5 x 2=10)

1. How do you identify *Ficus* species?
2. Explain identification characters of *Myristicaceae* members
3. Mention three major systems of plant classification
4. Mention few crop plant species of family *Leguminosae*
5. Give few important characters of family *Verbinaceae*
6. What are the characteristic feature of roots of the family *Rhizophoraceae*?
7. What are the unique features of reproduction of grasses?

**III Write short essay on any FIVE**

(5 x 4=20)

1. Explain 'Pneumatophores' in *Rhizophoraceae*
2. Explain floral variations in *Malvaceae* and *Sterculiaceae*
3. Explain Hutchinson's system of plant classification
4. Explain Engler and Prantle system of plant classification
5. Economic importance of family *Orchidaceae*
6. Explain the economic importance of family *Graminae*
7. Discuss about the importance and scope of dendrology

**IV Write essay on any ONE**

(1 x 10=10)

1. Give comparative account between family *Euphorbiaceae* and *Moraceae*
2. Describe advantages and disadvantages of Bentham and Hooker classification