

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry. 2014 Admission

Ist Semester Final Examination- February-2015

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

Marks: 50
Time: 2 hours

I) Fill up the blanks

(10 x 1=10)

1. Yellow sap is present in _____ species
2. In the Nepanthus plant the leaf becomes modified into _____
3. _____ is considered as father of Botany
4. _____ species is known as flame of the forest
5. Plant names which are not effectively published are called as _____

State True or False

6. Phyllode is a modification of petiole of any part of rachis
7. Sun flower is an example of Head or Capitulum
8. Rhythmic branching is most common in tropical tree species
9. Fig fruit is an example of Hypanthodium
10. Dehiscing along the median line of each locule is called Loculicidal

II Write short notes on any FIVE

(5 x 2=10)

1. Family Leguminaceae
2. Binomial nomenclature
3. Floral Diagram
4. Bark Morphology
5. Effective publication
6. Biosystematics
7. Types of Leaves

III Write short essays on any FIVE of the following

(5 x 4 =20)

1. Write in detail about importance and scope of Dendrology
2. Write in detail about Bentham and Hookers Classification and its merits and demerits
3. Write in brief about any five modern approaches of plant classification
4. Differentiate the following
 - a) Actinomorphic and Zygomorphic
 - b) Epiphytes and parasites
 - c) Basitony and acrotony
 - d) Magnoliaceae and Annonaceae
 - e) Resins and Gums

5. Write in brief about important identification characters ,phylogenetic and economic importance of Dipterocarpaceae and Meliaceae

6. Modification of tap root for storage of food

7. Explain the reproduction morphology in plants

IV Write essay on ANY ONE

(1 x 10=10)

1. Write in detail about various leaf morphological characters used in tree identification

2. Write a Brief description of the following families

a) Sterculiaceae

b) Anacardiaceae

c) Sapotaceae

d) Lauraceae

e) Orchidaceae
