

KERALA AGRICULTURAL UNIVERSITY

BS.c (Hons) Forestry 2016 Admission

1st Semester Final Examination-March- 2017

Cat. No: Fbti 1101

Title: Dendrology (2+1)

Marks: 50

Time : 2 hours

I. Fill in the blanks:

(10 x 1=10)

1. Branch of botany that deals with study of algae is -----
2. The science that deals with the nomenclature, identification, description and classification of organisms is called -----
3. Bentham and Hooker proposed the most important -----system of classification in their monumental work Genera Plantarum.
4. Biosystematics is a term coined by -----
5. ----- is the science of naming organisms.
6. ICBN/St. Louis Code was adapted from -----
7. A single type designated by the original author as nomenclatural type is called -----
8. A name that refers to two or more different taxa is called -----
9. *Santalum album* belongs to the family -----
10. Leaf is the chief organ of -----

II. Write short notes on ANY FIVE:

(5x 2=10)

1. Define dendrology.
2. Enlist two flosses yielding families.
3. Write down the contribution of Linnaeus in classification of plants.
4. Define Neotype.
5. Define cultivar.
6. Enlist the economic importance of Annonaceae family.
7. Types of leaves.

III Write answers on ANY FIVE:

(5 x 4=20)

1. What is the importance of Dendrology?
2. Discuss scope and importance taxonomy.
3. Write short notes on phylogenetic system of classification.
4. Write down the phylogenetic position of Casuarinaceae.
5. What is the phylogenetic position of Verbenaceae.
6. Briefly describe stem and its modifications.
7. Give the phylogenetic position of Bignoniaceae.

IV. Write essay on any ONE

(1 x 10=10)

1. Write an essay on geographical distribution, phylogenetic position and economic importance of Malvaceae and Sterculiaceae.
2. Give a detailed account on geographical distribution, phylogenetic position and economic importance of Sapindaceae and Santalaceae.