

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry. 2013 Admission
IVth Semester Final Examination- August-2015

Cat. No: Safo.2211

Title: Nursery Management (1+1)

Marks: 50

Time: 2 hours

I Fill up the blanks

(10 x 1=10)

1. Types of germination in which the cotyledons of seed remain in the soil or just on soil surface is _____
2. Seedlings, transplants together with other planting materials are called _____
3. In _____ nurseries, plants grow directly in nursery soil and roots are separated at the time of lifting only
4. Teak is propagated through _____
5. Size of standard nursery bed is _____
6. Percentage of seeds, in a sample that actually germinate irrespective of time is called _____
7. _____ can be adopted to control the height of the seedlings in the nursery
8. _____ refers to the transplanting of young seedlings from primary nursery bed

State True or False

9. *Agrotis ipsilon* is the common cut worms in the nursery
10. Sunken beds are made in high rainfall areas

II Write short notes on any FIVE

(5 x 2=10)

1. Wrenching
2. Types of seed germination
3. Scarification
4. Protection of seeds in nursery bed
5. How can you calculate the weight of the seeds to be sown per square meter
6. Biofertilizers
7. Root coiling

III Write short notes on any FIVE

(5 x 4=20)

1. Explain common pretreatments adopted in forest nurseries
2. Define nursery bed. Explain different types of nursery beds and their preparation
3. Explain the methods of seed sowing with their merits and demerits
4. Differentiate containerized and bare root nursery
5. Root culturing techniques
6. Principle and advantages of root trainer

7. Explain the nursery techniques of teak

IV Write essay on ANY ONE

(1 x 10=10)

1. Define forest nursery .What are the essential steps for selecting and setting up a forest nursery
2. Discuss in detail the factors affecting production of seedling uniformity in nursery of tree species
