

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry. 2014 Admission
IInd Semester Final Examination- August-2015

Cat. No: Safo.1101

Title: Principles of Silviculture (2+0)

Marks: 50

Time: 2 hours

I Fill up the blanks

(10 x 1=10)

1. The trees which withstand strong winds are called _____
2. The zone which receives the rainfall of less than 900 mm is _____
3. The estimated evaporation from forest floor is _____
4. The altitudinal range which adversely affects on plant growth _____
5. A forest composed of entirely one species is called _____

Define

6. Felling cycle
7. High forest
8. Seed year
9. Albedo
10. The crown

(5 x 2=10)

II Write short notes on any FIVE

1. Importance of moisture in plants
2. Explain forest succession
3. Classification of forests based on ownership and legal status
4. Crop density
5. Crown classifications and its advantages
6. Continual causes of succession
7. Weeds and vegetation

(5 x 4=20)

III Write short notes on any FIVE

1. Pure forest and mixed forest
2. Stand reactions to various types of cuttings
3. Importance of soil texture and structure
4. The stage in growth and development of plants
5. Causes of dying of sal seedlings
6. Crop density
7. High growth in trees

IV Write essay on ANY ONE

(1 x 10=10)

1. Define forest. Discuss in detail about the classification of forests
2. What are site factors .Discuss the role of climatic ,edaphic and biotic factors and their interactions in relation to forest vegetation

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