

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Forestry) 2015 Admission
Ist Semester Final Examination-March -2016

Cat. No: Safo 1101

Marks: 50.00

Title: Principles of Silviculture (2+1)

Time: 2 hours

I Fill up the blanks

(10 x 1=10)

1. Farm Forestry is the practice of forestry on _____
2. Extension Forestry situated away from the _____ Forest area
3. Social forestry introduced for the benefits of the _____ and _____ communities
4. *Acacia catechu* is the frost _____ species
5. *Azadirachta indica* is the frost _____ species
6. Define the term Silviculture
7. Define the Tree

Whether True/False

8. Forest mensuration is the branch of forestry
9. The farmers produce a jungle
10. When forestry use to achieve more than one purpose it is called multiple use forestry

II Write short notes on any FIVE

(5 x 2=10)

1. Explain the objectives of silviculture
2. What do you understand by Mycorrhiza?
3. What is Latitude and altitude?
4. How wind give the direct and indirect effect on tree?
5. Define the surface soil and sub-soil and Forest soil
6. Explain the succession on the basis of moisture condition
7. What are the bases of classification of forest?

III Write short essay on any FIVE

(5 x 4=20)

1. Explain the relation of silviculture with branches of forestry
2. Explain tree in detail with its parts
3. Explain the influence of topography on the soil formation
4. What do you understand by the hydrological cycle?
5. Discuss the role of forest in checking pollution in the atmosphere
6. Discuss the important stages in forest on the basis of age
7. What are the different relationship between plant to plant

IV Write essay on any ONE

(1 x 10=10)

1. What is growth of Tree? How the tree developed?
2. Why the factor light is so important? Explain the requirement of light in various type of forest