



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag. 2016 Admission
IV Semester Final Examination-July-2018

ors.2201

Introduction to Forestry (1+0)

Marks: 50
Time: 2 hours
(10x1=10)

I Fill in the blanks:

- 1 *Hopeaparviflora* belongs to the family
- 2 Jhumming is the other name for cultivation
- 3 A Stand of trees produced after a clear cut is most likely to be aged
- 4 Home garden agroforestry system predominantly practiced in climate
- 5 Allelochemicals produced by plants are plant metabolites

State True or False

- 6 Van Mahostavawas initiated by A.K.Banerjee
- 7 Allelopathy is the best example for symbiosis
- 8 Social Forestry project Phase –II was launched in the year 1988
- 9 Nitrogen fixing ability of *Casuarina* is attributable due to *Azotobacte*
- 10 In Supplementary interaction increase in one component results in proportionate increase in the other component

Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 In agroforestry how will you manage tree crop interaction?
- 2 Enlist the various objectives of Social Forestry
- 3 Define Artificial regeneration and its objectives
- 4 Write a short notes on Nutrient Cycling
- 5 Briefly write about Alley Cropping
- 6 What is NFT and enlist its significance in agroforestry
- 7 Define
 - (a) Coppicing
 - (b) Pollarding

III Answer ANY FIVE of the following

(5x4=20)

- 1 Salient features of National forest policy 1952
- 2 Define Natural regeneration and discuss about the factors affecting Natural regeneration
- 3 Explain in detail about Tree crop Interaction in Agroforestry
- 4 Discuss about the various Social Forestry projects along with its objectives
- 5 Discuss about the productive role of forests
- 6 What is Home garden and how will you select the species for home gardens
- 7 What is your understanding about the Litter dynamics

IV Write an essay on ANY ONE of the following

(1x10=10)

- 1 Classification of Agroforestry systems
- 2 Carbon sequestration and climate change mitigation through Agroforestry
