



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Forestry 2017 Admission
I Semester Final Examination-March-2018

Safo.1103

Principles of Agroforestry (1+1)

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

I Choose the correct answer

- 1 Alley cropping is also known as:-
 - a Hedge row intercropping
 - b Wood lots
 - c Woody hedges
 - d Soil conservation hedges
- 2 Allelopathy denotes
 - a Positive interactions
 - b Negative interactions
 - c a & b
 - d None
- 3 ICFRE is located in
 - a New Delhi
 - b Dehradun
 - c Jhansi
 - d Ibadan
- 4 Protein bank is sub system of
 - a Agri-silviculture
 - b Silvipastoral
 - c Agrihorticulture
 - d Agri silvipastoral
- 5 The ratio of height and width roughly in shelterbelt is
 - a 1:10
 - b 1:15
 - c 1:20
 - d 1:25

Fill in the blanks

- 6 Removal of one year shoots or fresh growth from entire crown of the tree/plant in order to get sufficient fodder for livestock is known as
- 7 The plantation of fast growing species on linear strips of land on the sides of public roads, canals and railway lines is known as
- 8 ITTO stands for.....
- 9 IGFRI stands for.....
- 10 Crops + Trees + Grasses/ Animals =

II Write Short notes on any FIVE of the following

(5x2=10)

- 1 Different basis of AFS classification.
- 2 Components of Agroforestry.
- 3 Homegarden
- 4 Orientation of shelterbelts.
- 5 Attributes of Agroforestry.
- 6 Wind break vs. Shelterbelt.
- 7 Impacts of green revolution.

III Answer any FIVE of the following.

(5x4=20)

- 1 Write the social, ecological and economic reasons for Agroforestry.
- 2 Write about nutrient cycling in Agroforestry.
- 3 Write Tree, Crop and Grasses characteristics for Agroforestry.
- 4 Write in brief about objectives of National Agroforestry Policy (2014).
- 5 Name five National and International organizations working in Agroforestry.
- 6 Write different management strategies for MPTS.
- 7 Write Constraints of Indian agriculture system.

IV Write an essay on any ONE of the following

(1x10=10)

- 1 Discuss in detail about structural classification of Agroforestry systems?
- 2 Discuss in detail about tree crop interactions, its types and significance in Agroforestry.
