



KERALA AGRICULTURAL UNIVERSITY

B.Sc.(Hons).Forestry 2017 Admission

IV Semester Final Examination-July 2019

Safo.2209

Agroforestry Systems and Management (1+1)

Marks: 50

Time: 2 hours

(10x1=10)

1 Fill up the blanks

- 1 The broad and well known classification of agroforestry systems was given by _____.
- 2 Tree planted in silvi-agriculture should be oriented in the _____ direction.
- 3 The oldest known agroforestry system is _____.
- 4 The major tree component responsible for allelopathy is _____.
- 5 A well designed windbreak can offer protection up to _____ times of its height towards leeward side.

State True or False

- 6 Shelter belt have single tree species.
- 7 The Taungya system was introduced into India by Brandis in 1890.
- 8 Woody hedges are Agrisilvipastoral system.
- 9 Shading effect of trees in agroforestry can be overcome by root management.
- 10 The most suitable species for reclamation of sandy soils is *Casuarina equisetifolia*.

II Write short notes on ANY FIVE of the following.

(5x2=10)

- 1 Agroforestry.
- 2 Criteria for good Agroforestry system.
- 3 List four trees suitable for Live/Bio fence.
- 4 Home garden.
- 5 Constraints of Agroforestry.
- 6 Lopping Management.
- 7 Steps involved in carbon capture and storage.

III Answer any FIVE of the following.

(5x4=20)

- 1 Benefits of Agroforestry.
- 2 Scope of agroforestry in India.
- 3 REDD+.
- 4 Improved Fallow Species in Shifting Cultivation
- 5 Soil Conservation Hedges
- 6 Silvipastoral Systems and its types .
- 7 Objective of Agro-forestry.

IV Answer any ONE of the following

(1x10=10)

- 1 Classification of Agroforestry system described by P.K.Nair (1987).
- 2 Industrial Agroforestry and discuss the role of industries in Agroforestry.
