



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Forestry 2015 Admission
V Semester Final Examination-February-2018

Safo.3112

Soil Survey and Wasteland Development (1+1)

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

I Fill in the blanks:

- 1 The non-porous soil aggregates are called-----
- 2 Acacia is suitable for afforestation of degraded lands
- 3 An ideal loam is a mixture of-----
- 4 The arrangement of terrain features which provides the shape, size and texture of objects is called-----
- 5 Father of soil science is-----
- 6 Tundra soils come under the order-----in genetic system of classification

State True or False

- 7 Columnar soil structure is commonly seen in humid tropics
- 8 Spodic horizon is present in red soil
- 9 Andic soils are seen in Kerala
- 10 Forest soils of Kerala are rich in phosphorus

II Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Factors influencing soil colour
- 2 Detailed soil survey
- 3 Black cotton soil
- 4 Kandic horizon
- 5 Remote sensing
- 6 Genetic system of soil classification
- 7 Kans infested waste lands

III Answer ANY FIVE of the following

(5x4=20)

- 1 Soils of Kerala
- 2 Soil moisture regimes
- 3 Purpose of soil classification
- 4 Mapping of waste lands in India
- 5 Genetic system of soil classification
- 6 Strategies to combat desertification and wind erosion
- 7 Afforestation and reclamation of mine wastes

IV Write an essay on ANY ONE of the following

(1x10=10)

- 1 Explain USDA system of soil classification
- 2 Wasteland development programmes in India
