

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry 2014 Admission
Vth Semester Final Examination-February -2017

Cat. No: Safo.3112.

Title: Soil Survey and Wasteland Development (1+1)

Marks: 50.00

Time: 2 hours

I Define the following

(10x1=10)

1. Remote sensing
2. Spectral signature
3. Shelterbelt
4. Wind Erosion
5. Atmospheric windows
6. Soil salinity
7. Soil amendment
8. Soil class
9. Scale
10. Lime requirement

II Write short notes on any FIVE

(5x2=10)

1. Salt affected soil
2. Waste land
3. Ravines and gullies
4. Soil mapping
5. Satellite imager
6. Soils of Kerala
7. Desertification

III Write short answers on any FIVE

(5x4=20)

1. Classify the land as per the All India Soil survey and land use planning.
2. How to reclaim the saline sodic soils? Explain in brief.
3. What are the sampling techniques being used for soil survey? Explain in brief.
4. What are the causes for wastelands? How do you prevent it?
5. Write the role of NGOs in developing the wastelands in India.
6. What is soil survey? Write its objectives and scope?
7. Classify the soil as per modern system.

IV Write essay on any ONE

(1x10=10)

1. Write the causes of wastelands. Classify the wastelands in India and suggest the remedial measure to improve the wastelands.
2. Explain the present status of wastelands in India. How the Govt. and NGO agencies take part in reclamation and development of wastelands in India.
