

**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc (Hons.) Forestry 2013 Admission**  
**V<sup>th</sup> Semester Final - Examination- Januaray-2016**

Cat. No: Safo.3112

Marks: 50.00

Title: Soil survey and wasteland development (1+1)

Time: 2 hours

**I Define the following**

(10 x 1=10)

1. Bulk density
2. Soil amendment
3. Bedrock
4. Alkaline soil
5. Capillary water
6. Soil class
7. Desalinization
8. Erosion
9. Parent materials
10. Humification

**II Write short notes on any FIVE questions**

(5 x 2=10)

1. Soil survey
2. Soil sampling
3. Aerial photography
4. Afforestation
5. Ravines and gullies
6. Joint Forest Management
7. Marsh lands

**III Write short essay on any FIVE questions**

(5 x 4=20)

1. Write the characteristics of wastelands
2. Write about soil mapping and units of soil mapping
3. What are the sampling techniques being used for soil survey ?
4. Write the causes for formation of wastelands
5. What are the characters of tree species to improve the adverse site
6. How do you utilize the sewage water in productive way
7. Classify the lands as per NWDB