



Uva Wellassa University
Faculty of Animal Science & Export Agriculture
BSc in Export Agriculture

End Semester Examination – February/March 2012

Year II Semester I

PART II – Essay

Land Reclamation Engineering

EAG 246-0



Question 01

- I. Define soil loss tolerance? (03 marks)
- II. List the factors considered when determining soil loss tolerance levels for agricultural lands. (05 marks)
- III. Estimate the soil loss of a tea land with 300 ft in length, 8% uniform slope with a canopy cover of 50% and a mulch cover of 45% without any conservation measures. Rainfall runoff factor for the location is 154, Silt, very fine sand and sand contents of the soil are 15%, 20% and 50% respectively, with an organic matter content of 2%, permeability of 3 cm/h (slow to moderate) and blocky structure. (12 marks)

(Use the provided charts)