UNIVERSITY OF KABIANGA

SCHOOL OF NATURAL RESOURCE AND ENVIRONMENTAL MANAGEMENT SEMESTER TWO 2015/2016

FOR 227: SOIL SURVEY AND LAND USE PLANNING (MAIN EXAM)

Marks = 70 Time allowed 3 Hour

INSTRUCTIONS: There are two sections, section A (80 Marks) and B (40 marks). Answer all questions in section A and any two in section in B

Section A (30 Marks)

 Explain the meaning of the following terms used in soil mapping Map unit 	Lion bar day to	
(ii) Map legend 2. Describe the types of soil maps applied in land use planning	[3 marks] [3marks] [5marks]	moist
3. (i) Describe the factors that influence consistence of soil horizons (ii) Describe the horizon boundary descriptors in soil morphology of	[3 marks] haracterizatio	n i
 4. Outline the information and data on a soft map 5. Describe the hierarchy of categories in soil taxonomy classification 6. Explain the importance of photogrammetry in soil survey Section B (40 Marks) 	[4 marks] [4 marks] [4 marks] [4 marks]	
 7. (i) Explain the Structure of land capability classification (ii) Discuss the land suitability classes used in land use planning 8. (i) Discuss the format and interpretation of soil survey report (ii) Discuss the new approaches in soil mapping 9. (i) Discuss the objectives of soil survey (ii) Discuss the types and categories of soil survey (iii) Discuss the principles of air-photo interpretation 	[10 marks] [10 marks] [10 marks] [10marks] [4 marks] [6 marks]	