



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2010/2011

**FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF
ENVIRONMENTAL PLANNING AND MANAGEMENT**

EPM 654: PLANNING AND MANAGEMENT OF RANGELANDS

DATE: WEDNESDAY 24TH NOVEMBER 2010

TIME: 2.00p.m – 5.00p.m

INSTRUCTIONS: Answer question 1 which is compulsory and any other TWO questions.

1. a) Briefly explain how the camel can be explored in the economic transportation of the pastoralists economy. [5marks]
- b) Briefly describe the process of E.I.A. to support emerging range development projects in Kenyan Arid and Semi-arid areas. [5marks]
- c) Briefly explain why the tragedy of the commons is viewed as a foreign concept in the management of Kenyan rangelands. [5marks]
- d) How will advances in technology help accelerate development in Kenyan rangelands? [5marks]
- e) Briefly explain the role of government policy in the planning and development of rangelands. [5marks]
- f) Using examples briefly characterize the rangeland environment. [5marks]

2.
 - a) Discuss how an animal census is carried out and describe the importance of such census in planning and management of rangelands. [13marks]
 - b) What is the role of Kenya livestock marketing council in the improvement of the pastoralist livestock. [7marks]
3. Participatory planning and use of rangeland resources including wildlife is key to reducing conflicts, wealth creation and poverty reduction in Kenyan rangelands. Discuss this statement using relevant examples. [20marks]
4.
 - a) Show how planning and management of water resource can be effected in a 30,000 hectare land with both livestock and wildlife alike. [13marks]
 - b) Discuss the role of stakeholders in the above project aimed at enhancing the economic status of rural communities. [7marks]
5.
 - a) Discuss the role of land tenure systems in the development of rangelands. [10marks]
 - b) Describe how grazing management has been used to enhance rangeland productivity. [10marks]