

National University of Lesotho

Faculty of Agriculture

Department of Soil Science & Resource Conservation

SSR 325 – Integrated Watershed Management

Final Examination

May 2019

100 Marks

3 hours

Instruction:

Answer Only Two (2) Questions in Section 1 and All Questions in Section 2

Section 1 – Answer Any Three (3) Questions

Question 1

Using a hypothetical management of Thatch Grass in *Maboella* in the village commons (C-Grazing Areas) as an example of a range system property, make an illustrated discussion of the concept of the boundary of sustainable and unsustainable community based management of natural resources in Lesotho (25 marks)

Question 2

The Range Management Areas concept with Grazing Associations is considered by many one of the most innovative grazing management practice in Lesotho. Briefly discuss the socio-cultural and legal challenges facing this practice in Lesotho (25 marks)

Question 3

- a) Briefly describe the following watershed management strategies and site one example in the context of Lesotho (5 marks each)
- i) Protection strategies
 - ii) Conservation strategies
 - iii) Development strategies
- b) Briefly discuss the gender implications in watershed management in Lesotho (10 marks)

Question 4

- a) Briefly discuss the idea and importance of an intervention logic in watershed management in Lesotho (15 marks)
- b) In the context of your discussion in (a) above please critic the early Fato-fato public works in Lesotho (10 marks)

Section 2 Answer All Questions

Question 5

Compare and contrast the concepts watershed and river basin in watershed management planning and draw clearly labelled diagrams to illustrate your definition (20 marks)

Question 6

Make a detailed discussion of the principle of participatory watershed development (30 marks)