

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN  
NATURAL RESOURCE MANAGEMENT**

**NARE 445: GRAZING MANAGEMENT**

**STREAMS: BSC NARE Y4S2**

**TIME: 2 HOURS**

**DAY/DATE: FRIDAY 17/04/2020**

**8.30 A.M. – 10.30 A.M.**

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**INSTRUCTIONS:**

- Answer ALL questions in section A and any TWO in section B
- Do not write on the question paper.

**SECTION A: (30 MARKS)**

- Q1. Briefly explain the following terms applied in range management (6 marks)
- (a) Grazing management
  - (b) Stocking intensity
  - (c) Grazing efficiency
- Q2. Explain the principles of grazing management. (6 marks)
- Q3. Using relevant examples, describe any three grazing systems. (6 marks)
- Q4. Using an illustration, explain the carbohydrate reserve theory of grazing. (6 marks)
- Q5. Briefly explain the procedure for hay making. (6 marks)

**SECTION B: (40 MARKS)**

- Q6. Compare and contrast the implications of low and high grazing intensity. (20 marks)
- Q7. Discuss natural and management factors that affect grazing capacity. (20 marks)
- Q8. Discuss the effects of excessive levels of defoliation. (20 marks)
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