

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF
BACHELOR OF SCIENCE IN NATURAL RESOURCES MANAGEMENT**

NARE 442: GRAZING MANAGEMENT

STREAMS: BSc. NARE Y4S2

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 19/4/2023

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

Answer all the questions in section A and two in section B

Do not write on the question paper

SECTION A: Answer all questions

1. Explain the importance of grazing management. (5 marks)
2. Briefly explain the following terms applied in grazing management. (5 marks)
 - i) Rotational age
 - ii) Prescribed burning
 - iii) Palatability
 - iv) Improved pastures
 - v) Stocking rate
3. Briefly explain the factors that influence animal distribution during grazing.(5 marks)
4. Highlight the management options for sustainable grazing enterprise. (5 marks)
5. With an aid of an illustration, explain the carbohydrate reserve theory of grazing. (6 marks)
6. Differentiate between continuous and rotational grazing management systems (4 marks)

SECTION B: Answer any Two questions

7. Pasture conservation plays a critical role in sustainable grazing enterprise. Discuss pasture conservation techniques. (20 marks)
8. Explain the physiological adaptation of plants that enables them tolerate grazing. (20 marks)
9. Discuss the management options for improving productivity of a degraded pasture. (20 marks)

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