

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESITS/SPECIAL EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA IN ANIMAL HEALTH AND PRODUCTION

AGRI 0271: PASTURE AND FODDER CROP PRODUCTION

STREAMS:

TIME: 2 HOURS

DAY/DATE: TUESDAY 29/8/2023

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

Label your answer clearly

Don't mix up answers

ANSWER ALL QUESTION IN SECTION A AND ANY TWO IN SECTION B

SECTION A:

1a) Define the following terms as used in pasture and fodder production

- i. Pasture (1 mark)
- ii. Fodder (1 mark)
- iii. Lopping (2 marks)
- iv. Innoculation (2 marks)

b) State five importances of pasture and fodder production (5 marks)

2a) Explain the procedure for pasture legume seeds inoculation (4 marks)

b) Discuss different types of grasses based on growth habit (6 marks)

3a) States the main aims of pasture and fodder crop establishment (2 marks)

b) Why is it recommended that a livestock feed ration should not contain very high amount of -

- i. Leucaena (2 marks)
- ii. Sesbania (2 marks)

C) Illustrate the herds movements in a rotational grazing systems

(4 marks)

4a) State five advantages of establishing a mixed stand (5 marks)

b) States physical qualities of good hay (4 marks)

SECTION B

5a) Explain different factors that affect hay quality (7 marks)

b) Explain factors that affect the carrying capacity and the stocking rate (8 marks)

6a) List three management practices done on multipurpose fodder trees (3 marks)

b) State the main objectives of grazing managements (4 marks)

c) Explain the two phases during the silage making process (8 marks)

7a) List three factors that are considered at the time of planting pastures (3 marks)

b) Discuss sod seeding as a method of pasture and fodder establishment (12 marks)

.....