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University Examinations 2013/2014

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR CERTIFICATE/DIPLOMA IN
AGRICULTURE

AGR 0123 – FODDER AND PASTURE MANAGEMENT

DATE: DECEMBER 2013

TIME: 1 $\frac{1}{2}$ HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE – 30 MARKS

- (a) 'One of the biggest challenges facing livestock farmers in the tropics is the effect of seasonal rainfall' Discuss. (4Marks)
- (b) As a livestock production officer, a dairy farmer comes to your office for intervention on pasture establishment. Give and explain any three (3) factors restricting the success of pasture establishment. (6Marks)
- (c) Both Macro and Micro elements are very important in pasture performance. Explain the difference between the two. (2Marks)
- (d) Forage crops can be classified according to the type of plant they are and the way in which they are used to feed livestock; give five types of classes and an example of a plant in each of them. (5Marks)
- (e) In pasture and fodder production management weeds have been identified as an important factor. Explain three (3) weed control methods. (3Marks)
- (f) Give three (3) qualities for selection of a good pasture grass or legume. (3Marks)
- (g) What do you understand by the following terminologies? (5Marks)
- (i) Grassland

- (ii) Browse
- (iii) Pasture
- (iv) Lay
- (v) Roughage

(h) As a Manager in a dairy farm, what would you give as the objective of pasture management? (2Marks)

QUESTION TWO – 15 MARKS

Explain how you can conserve Rhodes as hay. (15Mark)

QUESTION THREE – 15 MARKS

- (a) What do you understand by the following terms:
- (i) Seed longevity (2Marks)
 - (ii) Seed dormancy (2Marks)
 - (iii) Nurse crop (2Marks)
 - (iv) Reseedling (2Marks)
- (b) In the tropics livestock is kept for various reasons. Give four reasons. (4Marks)
- (c) What do you understand by the following terms? (3Marks)
- (i) Forage conservations
 - (ii) Mesophyte
 - (iii) Hydrophytes

QUESTION FOUR – 15 MARKS

In fodder production ‘TUMBUKIZA METHOD OF NAPPYER ESTABLISHMENT’ has been found to be a very effective technology. As an animal production officer prepare notes to teach farmers attending WORLD FOOD DAY at Kamutune Resource Centre. (15Marks)

QUESTION FIVE

- (a) Give three (3) reasons why grasses are suitable herbage plants. (3Marks)
- (b) Outline four constraints regarding forage production. (4Marks)
- (c) What do you understand by the following terms on pasture and fodder management?
- (i) Seed treatment (2Marks)
 - (ii) Silage (2Marks)
 - (iii) Hay (2Marks)
 - (iv) Seed Inoculation (2Marks)