

NATIONAL UNIVERSITY OF LESOTHO

FACULTY OF AGRICULTURE

M.Sc. CROP SCIENCE EXAMINATION

ANS658: FORAGE SEED PRODUCTION

01JULY 2020

MARKS: 135

DEADLINE: 10/01/2020

INSTRUCTIONS: ANSWER ALL THE QUESTIONS

Please use your own expression, do not transcribe.

QUESTION 1

Compare and contrast the following;

- a) Small scale and commercial seed production systems (10)
- b) Grain production and seed production (10)
- c) Open pollinated and hybrid seed production (10) [30]

QUESTION 2

Briefly explain the following

- a) Maintenance of genetic purity during seed production, (10)
- b) Demand forecasting techniques, (5)
- c) Harvesting methods adopted in seed production (10) [25]

QUESTION 3

- a) What ten factors would you take into consideration when selecting a site for seed production? (10)
- a) What ten agronomic practices are adopted for establishing a forage crop? (10)
- b) What are the causes of seed deterioration? (10) [30]

QUESTION 4

Write short notes on the following;

- a) Seed certification programme (5)
- b) Seed conditioning [threshing (3), cleaning (5), drying (10)] (18)
- c) Seed legislation (5)
- d) Isolation (5)
- e) Seed packaging (5)
- f) Seed storage (5)
- g) Characteristics of seed quality (7)[50]