

NATIONAL UNIVERSITY OF LESOTHO

FACULTY OF AGRICULTURE

M.Sc. AGRICULTURE EXAMINATION

ANS658: FORAGE SEED PRODUCTION

JUNE 2019

MARKS: 100

TIME: 3HRS

INSTRUCTIONS: ANSWER ALL FOUR QUESTIONS

QUESTION 1

Compare and contrast the following;

- a) Opportunist and specialist seed production systems (10)
- b) Grain production and seed production? (10)
- c) Varietal and hybrid seed production (10) [30]

QUESTION 2

Briefly explain the following

- a) Devices for controlling crop pollination, (5)
- b) Different categories of pollination behavior, (5)
- c) The process of sporogenesis (megasporogenesis and microsporogenesis) (10) [20]

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 (10)
- b) Seed conditioning (threshing, cleaning, drying) (10)
- c) Seed legislation (5)