



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
KM 4 Kaduna - Zaria Expressway Rigachikun Kaduna
DEPARTMENT OF CROP AND SOIL SCIENCES
2020_2 EXAMINATION

COURSE CODE: CRP503

COURSE TITLE: SEED PRODUCTION TECHNOLOGY

TOTAL CREDIT UNIT: 3 CU

2020 EXAM TEST 4

TIME ALLOWED: 3 hours

INSTRUCTIONS: Answer five questions in all. Question one is compulsory (30 marks). Any other four questions of 10 mark each.

QUESTION

- 1) (a) Some weeds reproduce through other means apart from seed. With examples, mention the methods of vegetative propagation in weeds (10 marks)
(b) Differentiate between weed eradication and weed control. (10 marks)
(c) Explain in detail the three stages of application of herbicide as a method of weed control in a crop situation. (10 marks)
- 2) (a) What do you understand by cultural methods of weed control (3 marks)
(b) List only the cultural methods of weed control. (7 marks)
- 3) What are the advantages and disadvantages of controlled burning as a method of weed control. (10 marks)
- 4) (a) Outline the basis for the classification of herbicides into various groups (5 marks) (b) Mention the objectives (reasons) behind herbicide formulation (5 marks)
- 5) Describe in detail:
(a) Tree injector (5 marks)

(b) Granular applicator (5 marks)

6) Outline the safety precautions that you will take with respect to:

(a) The use of proper equipment and containers (5 marks)

(b) Proper mixing procedure (5 marks)

7) In what ways do age of a plant and genetic inheritance determine herbicide selectivity?

(10 marks)