



2ND SEMESTER 2008/2009

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN AGRONOMY YEAR 4

COURSE CODE: CP 406

TITLE OF PAPER: WEED MANAGEMENT

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER A TOTAL OF FOUR [4] QUESTIONS. ALL
QUESTIONS CARRY EQUAL MARKS.**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED
BY THE INVIGILATOR.**

INSTRUCTIONS: ANSWER ANY FOUR [4] QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS.

QUESTION 1

- a. Explain in four different ways, what the term 'weed' means. (8 marks)
- b. Using specific examples of named weeds, discuss four harmful effects of weed. (8 marks)
- c. Explain three harmful effects of weeds. (9 marks)

[25 marks]

QUESTION 2

- a. Explain the difference between an annual weed and a perennial weed, giving specific examples of each. (5 marks)
- b. Draw a large diagram to illustrate the life cycle of a perennial weed. (10 marks)
- c. Discuss, giving specific examples, asexual reproduction in weeds. (10 marks)

[25 marks]

QUESTION 3

- a. What is weed ecology? (5 marks)
- b. Discuss environmental interactions in weeds (20 marks)

[25 marks]

INSTRUCTIONS: ANSWER ANY FOUR [4] QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS.

QUESTION 4

- a. With specific examples, explain what biological weed control is. (5 marks)
- b. What is a mycoherbicide, and how is it used? (5 marks)
- c. How can biological control be integrated with other methods? (5 marks)
- d. What are the advantages and disadvantages of biological weed control. (10 marks)

[25 marks]

QUESTION 5

- a. Name five invasive weed species in Swaziland. (5 marks)
- b. Discuss the growth and flowering pattern of the most troublesome weed in Swaziland. (10 marks)
- c. Describe one experiment that was done in Swaziland to determine the best control methods of the weed discussed in 5(b) above.

(10 marks)

[25 marks]