



**2<sup>ND</sup> SEMESTER 2010/2011**

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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 ANY FOUR QUESTIONS**

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

**QUESTION 1**

- (a) What is a weed? (5 Marks)
- (b) What is the commonest method of weed control in Swaziland? What are the advantages and disadvantages of this method? (20 Marks)
- [25 Marks]

**QUESTION 2**

An invasive weed has invaded an irrigation canal and the fields irrigated from the canal. Describe five land-use effects and five ecosystem effects that could potentially be caused by this weed infestation. [25 Marks]

**QUESTION 3**

What environmentally friendly weed control method would you adopt in Conservation Agriculture (CA) that a smallholder farmer can afford? [25 Marks]

**QUESTION 4**

Members of Parliament in Swaziland are concerned about invasive plant species, triffid (*Chromoleana odorata*) (triffid weed) taking over large areas of grazing land, especially in the Middleveld and the Lowveld of Swaziland. Given what you know about prevention, eradication, and control of weed infestations, what suggestions could you provide to a Parliamentary Committee appointed to investigate and prepare a report about practices that could be considered for enacting legislation aimed at controlling and preventing further spread of this weed?

[25 Marks]

**QUESTION 5**

Mrs. Farmer Dlamini applied a herbicide to her sugarcane field to control weeds. She is disappointed because the herbicide did not work. Provide a list of 5 questions you could ask Farmer Dlamini to determine why the herbicide did not work. Give reasons for asking each question. **[25 Marks]**