



**1<sup>ST</sup> SEM. 2007/2008**

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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME:                   BACHELOR OF SCIENCE IN  
  HORTICULTURE YEAR 4**

**COURSE CODE:                HORT 406**

**TITLE OF PAPER:             SEED SCIENCE AND TECHNOLOGY**

**TIME ALLOWED:              TWO (2) HOURS**

**INSTRUCTIONS:               ANSWER ANY FOUR (4) QUESTIONS**

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BY THE CHIEF INVIGILATOR**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**

**QUESTION 1**

Describe the various ways of flower emasculation used in breeding crops.

[25 marks]

**QUESTION 2**

a) Draw and label seed of the following

i) *Allium* spp

ii) *Zea mays*

b) Discuss factors affecting seed germination

[5 marks]

[10marks]

[10marks].

[25 marks]

**QUESTION 3**

Discuss environmental effects on seed development giving appropriate examples .

[25 marks]

**QUESTION 4**

Define seed quality and discuss the various ways of assessing seed quality.

[25 marks]

**QUESTION 5**

Discuss seed marketing and how it can be improved in Swaziland.

[25 marks]