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2ND SEM. 2004/2005

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE
YEAR IV (HORTICULTURE OPTION)**

COURSE CODE: HORT 402

TITLE OF PAPER: FLORICULTURE

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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THE CHIEF INVIGILATOR**

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**QUESTION 1**

- (a) Compare and contrast cut flower production under small scale and large scale systems [10]
- (b) Discuss the management of carbon dioxide in greenhouse floricultural production [7]
- (c) Discuss light management in greenhouse floricultural production [8]
- [25]

QUESTION 2

- (a) Describe the scouting operation in cut flowers pest and disease control [5]
- (b) Describe any five (5) physiological disorders in roses [15]
- (c) Discuss the harvesting procedure in roses [5]
- [25]

QUESTION 3

- Discuss the culture of carnations from propagation to transplanting [25]

QUESTION 4

- (a) Describe the following diseases in chrysanthemums:
- (i) Verticillium wilt [3]
 - (ii) Grey mould [3]
 - (iii) Crown gall [3]
- (b) Describe supporting in chrysanthemum production [4]
- (c) Describe the harvesting and grading operations of Ornithogallum cut flowers [6]
- (d) Describe the soil and nutrient requirements of Gypsophilla [6]
- [25]

QUESTION 5

- (a) Describe the propagation of African violets [7]
- (b) Describe the water requirements of geraniums [6]
- (c) Describe the vegetative propagation of Kalanchoe [6]
- (d) Describe briefly the flowering physiology of hydrangea [6]
- [25]