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1ST SEM. 2010/2011

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN ABE, AEM AND
AGRIC. EDUCATION YEAR III**

COURSE CODE: HORT 306

TITLE OF PAPER: VEGETABLE AND FRUIT CROP PRODUCTION

TIME ALLOWED: TWO [2] HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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INVIGILATOR**

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**PAGE 1 OF 2****QUESTION 1**

Discuss mango (*Mangifera indica* L) culture following these guidelines:

- a) soil drainage (5 marks)
 - b) soil depth (3 marks)
 - c) water (5 marks)
 - d) soil preparation and its components (12 marks)
- [25 marks]

QUESTION 2

Some women belonging to an association in your community are interested in growing pineapples (*Ananas comosus* L) on a small scale. What advice would you give them on the steps to follow when propagating the crop? [25 marks]

QUESTION 3

- a) Define fruitfulness of a tree (5 marks)
 - b) Outline the methods that may be employed in controlling tree fruitfulness (10 marks)
 - c) Outline the effects of summer pruning of any fruit tree (10 marks)
- [25 marks]

QUESTION 4

The Irish potato (*Solanum tuberosum* L) is an important vegetable in Swaziland. Discuss the yield components and yield determination of the crop. [25 marks]

QUESTION 5

Leafy mustard (*Brassica juncea* L) is popular for its taste, nutritional and medicinal value in Swaziland, however the yields are hampered by immature bolting of the crop. Explain this condition and the measures that may be taken to remedy the situation. [25 marks]