



1ST SEM. 2004/2005

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION

PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURE
YEAR V [AGRICULTURAL ECONOMICS &
MANAGEMENT, CROP PRODUCTION,
HORTICULTURE, LAND & WATER
MANAGEMENT OPTION]

COURSE CODE: HORT 501 [HORTICULTURE]

TITLE OF PAPER: FRUIT CROPS

TIME ALLOWED: TWO [2] HOURS]

INSTRUCTION: ANSWER THREE [3] QUESTIONS INCLUDING
QUESTION ONE [1] WHICH IS COMPULSORY -
AND ANY OTHER TWO [2] QUESTIONS

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INVIGILATOR**

QUESTION 1 [COMPULSORY]

The technology of the pollination process has lagged behind the well documented importance of the pollination process in nature. Discuss this statement using relevant examples.

[40 marks]

QUESTION 2

In an effort to enhance fruit crop productivity, horticulturists have developed some technologies that involve manipulation of fruiting using chemicals or organic material. Discuss.

[30 marks]

QUESTION 3

Provide a detailed discussion outlining the 'soil-root-shoot interactions' in the determination of yield and quality of fruit crops.

[30 marks]

QUESTION 4

The flowering process results from a complex interaction of the genetics, the environment, and management, all influencing 'hormonal signals' within the plant parts. Discuss the flowering mechanism in some named herbaceous, woody deciduous, and woody evergreen fruit crop species.

[30 marks]