



**SUPPLEMENTARY 2006/2007**

**PAGE 1 OF 3**

**UNIVERSITY OF SWAZILAND**

**SUPPLEMENTARY EXAMINATION PAPER**

**PROGRAMME: B.SC. IN AGRICULTURAL ECONOMICS AND MANAGEMENT YEAR 1, B.SC. IN AGRICULTURAL EDUCATION YEAR 1, B.SC. IN AGRONOMY YEAR 1, B.SC. IN ANIMAL SCIENCE YEAR 1, B.SC. IN HOME ECONOMICS YEAR 1, B.SC. IN HOME ECONOMICS EDUCATION YEAR 1, B.SC. IN FOOD SCIENCE, NUTRITION AND TECHNOLOGY YEAR 1, B.SC. IN TEXTILE AND APPAREL DESIGN AND MANAGEMENT YEAR 1, B.SC. IN HORTICULTURE YEAR 1, B.SC. IN LAND AND WATER MANAGEMENT YEAR 1**

**COURSE CODE: CP 102**

**TITLE OF PAPER: BOTANY**

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

**INSTRUCTIONS: ANSWER QUESTION 1, WHICH IS COMPULSORY AND ANY OTHER TWO (2) QUESTIONS**

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

**QUESTION 1**

Give and define the functions of macro and micro-nutrients in plant growth and development (40)

**QUESTION 2**

Give the family names of the following crop plants

- a) Sweet potato
- b) Sweet orange
- c) Lemon
- d) Paw-paw
- e) Mango
- f) Banana
- g) Guava
- h) Green pepper
- i) Common bean
- j) Pineapple
- k) Tomato
- l) Onion
- m) Carrot
- n) Beetroot
- o) Maize
- p) Sorghum
- q) Millet
- r) Rice
- s) Barley
- t) Wheat

(30)

**QUESTION 3**

Define the meaning of the following botanical terms

- a) Complete flower
- b) Imperfect flower
- c) Reniform
- d) Hypogynous
- e) Apetalae
- f) Sympetalae
- g) Apocarpous
- h) Orbicular
- i) Subulate
- j) Ovate

(30)

## QUESTION 4

Define the following botanical terms

- a) Acuminate
- b) Hastate
- c) Truncate
- d) Oblique
- e) Sagittate
- f) Mucronate
- g) Emarginate
- h) glabrous
- i) viscid
- j) canescent

(30)