UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

PROGRAMME: B.SC. AG. ECON. & AGBMGT YEAR 1 (NEW PROG.)
B.SC. AG. EDUC. & EXT. YEAR 1 (NEW PROG.)
B.SC. ANI. SCI. YEAR 1 (NEW PROG.)
B.SC. AGRON. YEAR 1 (NEW PROG.)
B.SC. HORT. YEAR 1 (NEW PROG.)
B.SC. LWM YEAR 1 (NEW PROG.)
B.SC. HOME ECON YEAR 1 (NEW PROG.)
B.SC. FSNT YEAR 1 (NEW PROG.)
B.SC. TADM YEAR 1 (NEW PROG.)
B.SC. HOME ECON ED.YEAR 1 (NEW PROG.)
M.SC. IN AG. EDUC. & EXT. YEAR 1

COURSE CODE: AEM 105

TITLE OF PAPER: INTRODUCTION TO COMPUTERS

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS:

1. ANSWER **ALL** QUESTIONS IN **ALL** SECTIONS.

2. ANSWER **ALL** QUESTIONS IN THE ANSWER BOOKLET PROVIDED

3. QUESTIONS CARRY MARKS AS INDICATED IN THIS PAPER.

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

1. What program that we have used in class is in control of the computer if there is a title bar, a menu bar, a tool bar and a power bar at the top of the screen and a status bar at the bottom. In between is blank except for the cursor and the mouse pointer. Draw a mental picture of the internal memory in this case.   [10 marks]

2. Distinguish between internal and external MS-DOS commands and give three examples of each.   [10 marks]

3. List five necessary precautions for handling diskettes.   [10 marks]

4. Describe the general usefulness of a spreadsheet program.   [10 marks]

5. Distinguish between ANALYSIS and SYNTHESIS in sound processing and compare their difficulty.   [10 marks]

6. Draw and label the complete input/output model for computer process control for controlling temperature in a greenhouse, assuming input and output are analog.   [10 marks]

7. Describe briefly the features of an Expert-system, and the problems of developing one.
                                                                                                                  [10 marks]

8. Distinguish between a local area network and a wide area network.   [10 marks]

9. List the six steps in systems analysis/development, as presented in lecture, and describe each step briefly.   [20 marks]