

**UNIVERSITY OF SWAZILAND
FACULTY OF EDUCATION
DEPARTMENT OF CURRICULUM AND TEACHING
SUPPLEMENTARY EXAMINATION QUESTION PAPER, JULY 2007**

TITLE OF PAPER : CURRICULUM STUDIES IN BIOLOGY II
COURSE CODE : EDC 378
STUDENTS : BEd. III, PGCE
TIME ALLOWED : THREE (3) HOURS

INSTRUCTIONS: 1. This examination paper has six (6) questions. Answer four (4) questions only.

2. Each question has a total of 25 points. The number of points for each sub-question, where it exists, is indicated in parentheses

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

1. The introduction of the IGCSE in Swaziland has seen a number of biology text books in the market claiming to be designed for the IGCSE. Discuss the criteria you would use to determine if such a textbook was indeed suitable for the IGCSE. [25]
2. Discuss at least two aspects of science and technology that have had a negative impact on the way of life of the Swazi people. Suggest how these can be corrected. [25]
3. Explain the importance of allowing personal use of language in explaining science concepts and phenomena. [25]
4. Discuss the steps you would take to develop a contextualised Junior Certificate science curriculum for schools in Swaziland. [25]
5. Discuss the reasons that have been suggested for the apparent low enrolment of girls in Science Mathematics and Technology Education in Africa. What practical ways are being tried out to address this issue? [25]
6. Explain how concept mapping facilitates meaningful learning. [25]