UNIVERSITY OF SWAZILAND **FACULTY OF EDUCATION** FINAL EXAMINATION QUESTION PAPER, MAY 2006

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 five (5) questions. Answer four (4)

questions only

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2. Each question has a total of 25 points. The number of points for

each sub-question is indicated in parentheses

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1.	and the second s	4] 6]
	b) Science and technology are related. Explain	4]
	c) Explain why Science, Technology, and Society (STS) issues should b Swazi schools.	e taught in 6]
	d) Science and Technology have improved the quality of life for manking as created problems. Explain.	nd as well 5]
2.	a) Terry Allsop has identified problems faced by low income/developing countries in implementing Science and Technology Education in their structures. Discuss the problems, relating them to Swaziland.	•
	b) Outline the steps you would take to develop a relevant and affordat curriculum for a rural secondary school in Swaziland. Include considerat would make to plan, design, implement, and evaluate your curriculum. [ions you
3.	a) Compare the goals of the Forum for African Women Educationalist and Female Education in Science and Mathematics in Africa (FEMSA) relation to girls' education in Africa.	,
	b) Explain why women lag behind men in access to, participation, and performance in Science, Mathematics and Technology (SMT) education.	
	c) What initiatives have been made to address gender imbalances in SN education in Africa and the rest of the world?	/IT 8]
4.	a) Explain the role of the following in meaningful learning:	
	i) prior conceptsii) subsumer	
		15]
	b) Elaborate on the three simultaneous processes involved in Brune discovery learning.	er's 10]
5.	In most schools in Swaziland where electricity is available, teachers use the resources because they can be purchased with ease or are readily available: Charts Worksheets Textbooks Overhead projector/Tra	

b) Explain why these resources are important in the classroom. [10]
b) Explain how each resource can be used as an effective teaching/learning aid for teaching and learning a particular topic in biology. [15]