

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER - 2008: BED II PRIMARY

COURSE NUMBER: PEC 277

COURSE NAME: CURRICULUM STUDIES: SCIENCE

TIME ALLOWED: 3 HOURS

- INSTRUCTIONS:
1. THIS PAPER HAS **FIVE** QUESTIONS.
 2. ANSWER ANY **THREE** QUESTIONS.
 3. DOCUMENTS REFERRED TO IN SOME OF THE QUESTIONS ARE ATTACHED. IF YOU CAN'T FIND THEM ASK FOR THEM.
 4. ANY PIECE OF MATERIAL WHICH IS NOT FOR MARKING PURPOSES MUST BE CROSSED OUT CLEARLY.

SPECIAL REQUIREMENTS: NCC SCIENCE BOOK

THIS PAPER MUST NOT BE OPENED UNTIL PERMISSION IS GIVEN BY THE INVIGILATOR

Answer any **three** questions from the following

Question 1

In this course you covered three ways of expression learning outcomes; objectives, attainment targets and key outcomes:

- a) Explain your understanding of each indicating strengths and weakness. (18)
- b) Using a lesson on "Matter" construct
 - i) Two objectives to represent two domains. Objectives should be higher order. (6)
 - ii) Two key points (6)
 - iii) One attainment target (4)

Question 2

- a) Discuss contextualisation as a teaching approach in science. Your discussion should help a new teacher understand what contextualisation, its value and problems. (34)

Question 3

Teachers should understand the subject science in order to teach it effectively

- a) Present your view on this statement. (18)
- b) Suppose you are asked to talk to parents in your community about the value of learning science as a school subject. Outline what you would say (16)

Question 4

Either

- a) Outline your knowledge of Vygotsky's Zone of Proximal Development (ZPD) and what it means in teaching and learning. (34)

Or

- b) Using an example of a specific lesson from the Grade IV materials, show how constructive teaching might be done. (34)

Question 5

- a. Design a **Five** question mid-year examination paper for Grade IV class as follows:
 - i. One essay type question with a marking guide (5)
 - ii. One structured question with marking guide (5)
 - iii. Three multiple choice questions of higher order demand. Indicate the key in each case. (15)
- b. Indicate things you would look out for when assessing practical work in a science class. (8)