

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER December 2017: BED II PRIMARY

COURSE NUMBER: PED277

COURSE NAME: CURRICULUM STUDIES: SCIENCE I

TIME ALLOWED: 3 HOURS

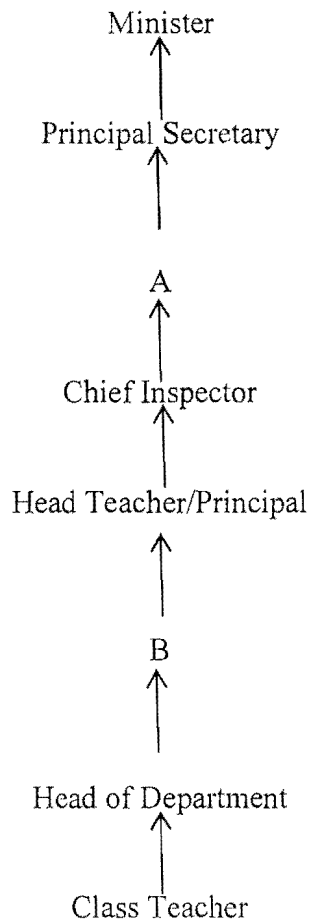
- INSTRUCTIONS:
1. THIS PAPER HAS SIX QUESTIONS. QUESTION 1 IS COMPULSORY.
 2. ANSWER QUESTION 1 AND ANY **THREE** OTHER QUESTIONS.
 3. YOU WILL ANSWER A TOTAL OF **FOUR** QUESTIONS. EACH QUESTION IS WORTH 25 MARKS.
 4. DOCUMENTS REFERRED TO IN SOME OF THE QUESTIONS ARE ATTACHED. IF YOU DO NOT FIND THEM, ASK FOR THEM.
 5. ANY PIECE OF WRITTEN WORK WHICH IS NOT FOR MARKING PURPOSES MUST BE CROSSED OUT CLEARLY.

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

Answer **question 1** and any **three** other questions from this paper.

Question 1

- a. Supposing you are posted into a new school and supposing you are involved in the overall planning for teaching in the school. Discuss your role in the running of the school as: (12)
- i. The Head of Department
 - ii. Classroom teacher for science.
- b. The following diagram shows part of the structure of education in Swaziland. Study it and answer the questions that follow.



- i. Identify the officers represented by A and B and (2)
- iii. Describe the role and responsibility of A in the Ministry of Education (5)
- iv. Supposing you were B, what role would you play in the school? (6)

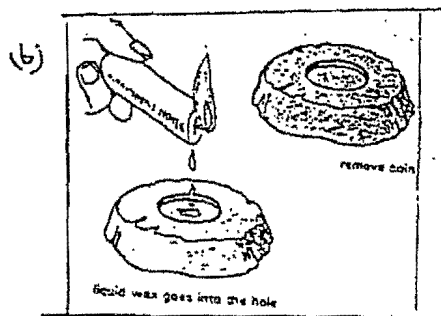
Total

25 Marks

Question 2

- a) Using examples, discuss how each of the following could be used to teach science. (15)
- Problem solving
 - Argumentation
 - Project based learning
- b) Write an introduction to a contextualised lesson using (i) a story line and (ii) A learner activity to teach a lesson involving the activity below. Choose a topic for you lesson. (10)

Activity 1.1



Total

25 Marks

Question 3

- a. Using the practical Activity 1.1 above, write **three** objectives from the cognitive domain and **two** objectives from the social domain. Objectives should be of higher order. (15)
- b. Classify the **three** questions in Appendix A according to Bloom's taxonomy.

- c. Write **three** key points that are expected from this activity (3)
- d. Justify the need for writing intended outcome (objectives or key points in planning a lesson (4)

Question 4

- a. Both Piaget and Vygotsky agree that learning occurs by active construction. Outline what each say about this process and show how they differ. (15)
- b. Describe the following principles in teaching:
 - i. Learning styles
 - ii. Prime time (10)

Total

25 Marks

Question 5

- a. Teaching is like a journey in which you decide the destination, the (vehicle or mode of travel), resources and indicators of arrival. Specify what each aspect of the journey represents in teaching. (16)
- b. Describe **three** factors or principles that affect the choice of a teaching method showing how it affects the choice made. (9)

Total

25 Marks

Question 6

Use Appendix A to answer this question (10)

- a) Write
 - (i) **Three** multiple choice questions
 - (ii) Matching question with **three** answer items
- b) Explain why ii is necessary to assess learners. (5)
- c) Explain the use of the following in a lesson (10)
 - i. Probing question
 - ii. General questions

Total

25 Marks