

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER MAY 2017: MASTER OF EDUCATION PRIMARY

COURSE NUMBER: PED612

COURSE NAME: PHILOSOPHICAL ASPECTS OF SCIENCE EDUCATION

TIME ALLOWED: 3 HOURS

- INSTRUCTIONS:
1. THIS PAPER HAS **FIVE** QUESTIONS.
 2. ANSWER ANY **FOUR** QUESTIONS.
 3. 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

Question 1

- a. Discuss Popper's philosophy of science. (15)
- b. How Popper's philosophy refutations influences science teaching. (10)

Total **25 Marks**

Question 2

Discuss Kuhn's philosophy and its role in shaping science education.

Total **25 Marks**

Question 3

Compare and contrast Freire and Mann's philosophy of the role of schooling.

Total **25 Marks**

Question 4

- a. Outline Pluto's philosophy of education. (10)
- b. Show how this philosophy impacted current science education. (15)

Total **25 Marks**

Question 5

Dewy's philosophy of schooling is expressed in his book called 'The Democracy'.
Discuss this concept.

Total **25 Marks**