

**UNIVERSITY OF ESWATINI**  
**FACULTY OF EDUCATION**  
**DEPARTMENT OF PRIMARY EDUCATION**  
**MAIN EXAMINATION PAPER**  
**NOVEMBER 2021**

**TITLE OF PAPER:** PHILOSOPHICAL ASPECTS OF SCIENCE  
EDUCATION

**COURSE CODE:** PED 612

**PROGRAMME:** MASTERS IN PRIMARY EDUCATION

**TIME ALLOWED:** THREE (3) HOURS

**INSTRUCTIONS:**

1. THIS PAPER HAS **FOUR (4)** QUESTIONS
2. ANSWER **THREE (3)** QUESTIONS IN THIS PAPER
3. ANSWER **QUESTION 1** (COMPULSORY QUESTIONA) AND ANY  
OTHER **TWO (2)** QUESTIONS
4. MARKS WILL BE AWARDED ON CLARITY OF THOUGHTS

**This paper contains 2 pages including this cover page**

**THIS PAPER MUST NOT BE OPEN UNTIL PERMISSION HAS BEEN  
GRANTED BY THE INVIGILATOR**

### **QUESTION 1 (COMPALSORY)**

Eswatini is phasing-in a new curriculum framework; Competency-Based Curriculum (CBE) that is currently in Grade 3 in the academic year 2021.

- (i) Identify the philosophy that informs the CBE curriculum framework and discuss its metaphysics, epistemology and axiology. **[4 x 5 = 20 marks]**
- (ii) Use any **five (5)** curriculum spider's web pillars to describe through examples the philosophy that informs the CBE curriculum framework. **[5 x 2 = 10 marks]**

### **QUESTION 2**

Plato's proposed a view; "education for democracy".

- (i) Discuss the statement. **[15 marks]**
- (ii) Show how this philosophy impacted current science education.

**[15 marks]**

### **QUESTION 3**

Karl Popper and Thomas Kuhn have their background in science thus their philosophies reflect a scientific bias. Discuss the similarities and differences in their view.

**[6 x 5 = 30 marks]**

### **QUESTION 4**

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

**[6 x 5 = 30 marks]**