



UNIVERSITY OF EDUCATION, WINNEBA  
INSTITUTE FOR TEACHER EDUCATION AND  
CONTINUING PROFESSIONAL DEVELOPMENT (ITECPD)  
END-OF-FIRST-SEMESTER EXAMINATION JUNE 2022



COURSE CODE: EGC 237  
COURSE TITLE: INTRODUCTION TO EARLY SCIENCE 1  
TIME ALLOWED: 50 MINUTES

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This paper is made up of ONE SECTION.

- Section ONE is made up of four essay type questions.
- Answer TWO questions into your answer booklet.
- Each question carries equal marks. You are expected to start each question from a new page.
- You are expected to handover your answer booklet to the invigilator before you leave the examination hall.

SECTION ONE

- a. State any three (3) differences between living and non-things. [3marks]
  - b. Write any three (3) fundamental quantities and their corresponding S.I units. [3 marks]
  - c. Outline the steps that are used in determining the volume of a piece of stone. [4 marks]
- a. i. What is *inclusive teaching* as applied in the teaching of early grade science?  
ii. State four (4) learning competencies expected in inclusive teaching. [4 marks]
  - b. State any three (3) differences between plants and animals [3 marks]
  - c. Calculate the volume of a cube of sides 10 cm. [3 marks]
- a. Explain how day and night occur. [4 marks]
  - b. State and explain two (2) assessment strategies that can be used in teaching early grade science. [4 marks]
  - c. Name the reactants and products of *photosynthesis*. [2 marks]
- a. The mass of a container together with an amount of water was found to be 48g. If the mass of the container is 12g, find the mass of the water in the container. [3 marks]
  - b. Explain the following earth movements and state one effect each.
    - i. rotation
    - ii. revolution
  - c. What are the main *strands* in the lower primary science curriculum? [3 marks]