UNIVERSITY OF EDUCATION, WINNEBA
INSTITUTE FOR TEACHER EDUCATION AND
CONTINUING PROFESSIONAL DEVELOPMENT
(ITECPD)
END-OF-FIRST-SEMESTER EXAMINATIONS. AUGUST, 2023
LEVEL 300
COURSE CODE: EGM 356
COURSE TITLE: TEACHING AND ASSESSING EARLY GRADE NUMERACY II
TIME ALLOWED: 2 HRS

STUDENT'S INDEX NUMBER:

GENERAL INSTRUCTIONS:

- This paper is made up of **ONE SECTION.**
- *The Section is made up of five essay type questions.*
- *Answer any THREE questions in your answer booklet.*
- *Each question carries equal marks. You are expected to start each question on a new page.*
- *You are expected to hand over your answer booklet to the invigilator before you leave the examination hall.*

Instruction: *Answer any three (3) questions in the answer booklet provided.*

1. (a) As an **Early Grade teacher**, how would you explain the concept of fraction as in everyday usage? Give two (2) examples. **(4 marks)**
   (b) Explain **five (5)** reasons why **Early Grade learners** need to be assessed regularly. **(10 marks)**
   (c) Use a model to explain decimal fractions to a **Basic three (3)** learner. **(6 marks)**

2. (a) Briefly describe how you would assist a **Basic three (3) class** to add 3 and 2 using Cuisenaire rods. **(6 marks)**
   (b) Describe how you would use any named base ten materials to help **Basic** two learner to add: $34 + 23$. **(8 marks)**
   (c). Identify the **position, place value** and **face value** of the **digit 8** in the numeral: 75284634659. **(6 marks)**

3. (a). Describe an activity to explain equivalent fractions to a **Basic three (3)** learner.   **(6 marks)**

   (b). As an **Early Grade** teacher, how would you explain the following:
     i. Numeracy curriculum
     ii. Numeracy syllabus
     iii. State two difference between them.

                                                                          (14 marks)

4. (a) As an **Early Grade** teacher, guide your learners to construct a stem and leaf plot using the data: 8, 13, 14, 23, 23, 26, 31, 32, 44, 33, 46, 48, 30, 16, 9, 15, 21. Use your plot to determine the median of the data.   **(10 marks)**

   (b) Using concrete materials, briefly explain the following multiplication concepts using the idea of multiplication as repeated addition of the same factor.
     i. 5×6
     ii. 6×5

                                                                          (10 marks)

5. (a). Explain **five (5)** benefits of Micro lesson to **Early Grade** teachers.
                                                                          (15 marks)

   (b) Provide the number of faces, edges and vertices of the following 3D shapes: Sphere, cone, cylinder, rectangular prism.   **(5marks)**