



UNIVERSITY OF EDUCATION, WINNEBA  
INSTITUTE FOR TEACHER EDUCATION AND CONTINUING  
PROFESSIONAL DEVELOPMENT (ITECPD)



END-OF-SECOND SEMESTER EXAMINATIONS, DECEMBER, 2023

LEVEL 300

COURSE CODE: PBM361

COURSE TITLE: TEACHING AND ASSESSING MATHEMATICS FOR UPPER PRIMARY  
(ADVANCED)

COURSE TITLE:

TIME ALLOWED: 2 HRS

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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. Write a story problem in real life situation for  $4 \div \frac{1}{2}$  (6 Marks)
- b. Briefly describe an activity you would use to help BS5 pupil to solve this problem (14 Marks)

2. a. Using the values below, describe how you will help BS6 pupils to draw a stem and leaf plot for the data (15 Marks)

10, 22, 30, 4, 50, 11, 23, 31, 43, 53, 12, 25, 33, 58, 15, 29, 35, 17, 37, 39

- b. Briefly explain how Micro teaching works? **(5 Marks)**

3. A pupil in BS4 solved an addition problem as follows:

$$\begin{array}{r} 45 \\ + 18 \\ \hline 513 \end{array}$$

- a. What is wrong with the pupil's solution? **(6 Marks)**
- b. Why do you think the pupil made the error? **(4 Marks)**
- c. How would you help the pupil to find the correct answer using Diene's base ten blocks? **(10 Marks)**
4. There are many benefits to monitoring student progress on an ongoing basis in the mathematics classroom, state and explain any three of these benefits? **(20 Marks)**
5. a. Explain the term "rotational symmetry". **(8 Marks)**
- b. State 3 properties each of the following shapes **(12 Marks)**
- Triangles
  - Square
  - Rectangle

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