



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



END-OF-FIRST-SEMESTER EXAMINATION JUNE 2022

COURSE CODE: EGM 236

COURSE TITLE: THEORIES IN LEARNING EARLY GRADE NUMERACY

TIME ALLOWED: 50 MINUTES

STUDENT'S INDEX NUMBER:

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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.
- 1.
- a) As an early grade numeracy teacher, discuss two classroom practices which can be attributed to constructivism learning theory. **3 marks**
 - b) How does teacher attitudes affect young learners' understanding of numeracy? Identify any two implications for teaching. **2marks**
 - c) Piaget developed four levels of development. Of these four, sensory motor and pre-operational stages relate to the learners in early grade. As a student-teacher preparing to teach at the early grade level, discuss the implications of these stages for teaching early grade numeracy. **5 marks**
- 2.
- a) With one example each, explain any three (3) pre-number activities to early grade numeracy classroom teacher. **6 mark**
 - b) Discuss any two (2) implications of behaviourist learning theory to the early grade numeracy classroom teacher. **2 marks**
 - c) In about three lines, explain the term child development. **2 marks**
- 3.
- a) Differentiate between teaching philosophy and learning philosophy as an early grade numeracy teacher. **4 marks**
 - b) State three importance of studying numeracy to the early grade learners. **3 marks**
 - c) Identify three implications of cognitive learning theory to early grade numeracy learners. **3 marks**
- 4.
- a) In about a sentence each, explain the following with respect to early grade numeracy teacher:
 - i. Beliefs **6 marks**
 - ii. Values **2 marks**
 - iii. Attitude **2 mark**
 - b) Explain any two core competencies in the early grade numeracy curriculum. **2 marks**
 - c) List any two types of Howard Gardner's Multiple Intelligence theory. **2 mark**