



KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR
SPECIAL/SUPPLEMENTARY EXAMINATIONS
FOR THE DEGREE OF BACHELOR OF EDUCATION EARLY CHILDHOOD

COURSE CODE: ECD 314

**COURSE TITLE: METHODS OF TEACHING SCIENCE AND MATHEMATICS IN
EARLY CHILDHOOD EDUCATION**

DATE: 25/11/2022

TIME: 11.00-1.00pm

INSTRUCTIONS TO CANDIDATES

Answer question one and any other two (2) questions

TIME: 2Hours

This paper consists of 2 printed pages please turn over ►

SECTION A COMPULSORY

Question One

(30marks)

- a) Explain the dispositions of young scientists (10marks)
- b) Discuss why young children should participate in science activities? (5marks)
- c) Justify the 7 principles of facilitating Mathematical activities in an early years class (14marks)
- d) Define the term mathematics? (1mark)

Question Two

(20marks)

Justify the use of instructional media in a science and mathematics class (20marks)

Question Three

(20marks)

- a) Discuss the experiences a teacher can engage learners in, to teach number writing (12marks)
- b) When facilitating the sub-strand sub-strand plants:-
 - i. Explain which strand does the teacher refer to (2marks)
 - ii. Describe the 3 key inquiry questions should be used in (b) above? (6marks)

Question Four

(20marks)

Prepare a one week mathematical activities scheme of work on the strand measurement and sub-strand time (20marks)

Question Five

(20marks)

Prepare a corresponding lesson plan for 4 above for one day (20marks)