



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR
SECOND YEAR SECOND SEMESTER**

**SCHOOL OF EDUCATION
BACHELOR OF EDUCATION (EARLY
CHILDHOOD EDUCATION WITH PROJECT
MANAGEMENT)**

COURSE CODE: ECP 2202-1

**COURSE TITLE: MATHEMATICS, SCIENCE AND
ENVIRONMENTAL ACTIVITIES FOR ECDE**

DATE: 27TH APRIL 2023

TIME: 8:30 AM – 10:30 AM

INSTRUCTIONS TO CANDIDATE

Attempt question 1 (ONE) and any other 2 (TWO) questions.

SECTION A (COMPULSORY)

QUESTION ONE

(a) Define the following terms:

- i. Mathematics (1 mark)
- ii. Science (1 mark)
- iii. Number (1 mark)

- (b) Name any **two (2)** skills in Mathematics (2 marks)
- (c) List down **two (2)** concepts in Science (2 marks)
- (d) Discuss why Science is appropriate for young children (10marks)
- (e) Name **two (2)** most appropriate methods of teaching Science (2 marks)

SECTION B (CHOOSE ANY TWO QUESTIONS)

QUESTION TWO

- (a) Name **three (3)** types of Science (3 marks)
- (b) Describe the **three (3)** types of science named above in (a). (12marks)

QUESTION THREE

- (a) Discuss any **five (5)** Science skills in ECDE. (15marks)

QUESTION FOUR

- (a) Briefly describe **five (5)** aspects involving Mathematics. (5marks)
- (b) Explain the nature and scope of Mathematics in the everyday life of young children. (10 marks)

QUESTION FIVE

Discuss how a teacher would apply Piaget’s theory of cognitive development during teaching of Mathematics in an ECDE Class. (15 marks)

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