CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

EMBU CAMPUS

EXAMINATION FOR THE AWARD OF DIPLOMA OF EDUCATION (PRIMARY OPTION)
PECI 121: INTRODUCTION TO BASIC MATHEMATICAL CONCEPTS

STREAMS: DIP. ED (PRIMARY OPTION) LIBI   **TIME: 2 HOURS**

DAY/DATE: THURSDAY 01/04/2021   **11.30 A.M. – 1.30 P.M.**

INSTRUCTIONS:
- *Answer question one and any other two questions*
- *Do not write anything on the question paper*

1. a) Outline the aims of teaching primary mathematics.   (10 marks)

   b) Describe the factors that guide a primary school Mathematics teacher in selecting methods for teaching mathematics.   (10 marks)

   c) Citing specific examples, explain elementary Mathematical concepts.   (10 marks)

2. Discuss the basic strategies for teaching primary school mathematics.   (20 marks)

3. Inquiry method is referred to as a discovery method which involves a structured or unstructured exploration in which learner through their mental process such as observing, measuring, classifying etc draw conclusion in information.

   (a) Describe the process of implementation of inquiry method in teaching primary mathematics.   (10 marks)

   (b) State five advantages and five disadvantages of the inquiry method. (10 marks)

4. Primary Mathematics Curriculum entails exposing learners to basic Mathematics concepts. Briefly discuss any FIVE such concepts that are central to learning Mathematics at the elementary level. (20 marks)

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