KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF THE
POST – GRADUATE DIPLOMA IN EDUCATION
FIRST SEMESTER, 2021/2022
(JUNE - SEPTEMBER, 2022)

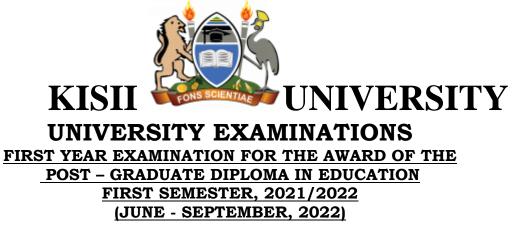### PGDE 714: METHODS OF TEACHING MATHEMATICS

STREAM: Y1 S1   **TIME: 2 HOURS**

DAY: FRIDAY, 9:00 – 11:00 A.M.   **DATE: 09/09/2022**

INSTRUCTIONS
1. *Do not write anything on this question paper.*
2. *Answer Question ONE [Compulsory] and any other TWO Questions.*

1. (a) What is mathematics?   (2 marks)
   (b) Why do we teach mathematics?   (8 marks)
   (c) Explain the characteristics of a good instructional objectives (6 marks)
   (d) Differentiate between a scheme of work and a lesson plan (6 marks)
   (e) Give reasons why an effective teacher must have a scheme of work and a lesson plan.   (8 marks)

2. (a) Make a scheme of work for a week on any topic in mathematics
                                                                      (10 marks)
   (b) Develop a lesson plan on any subtopic in the prepared scheme.
                                                                      (10 marks)

3. (a) Explain how assessment enhances the teaching of mathematics, explain   (6 marks)
   (b) As an effective teacher of mathematics, identify how you will present a lesson in a class   (6 marks)

(c)In what way should a mathematics teacher ensure that most learners in your class love mathematics (8 marks)

4. (a)Identify and explain the strategies used in teaching mathematics
(10 marks)
(b)Differentiate between the pedagogy then and now (10 marks)