

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF POSTGRADUATE
DIPLOMA IN EDUCATION**

PGDE 751: MATHEMATICS SUBJECT METHODS

STREAMS: PGDE P/T

TIME: 3 HOURS

DAY/DATE: THURSDAY 07/10/2021

2.30 A.M. – 4.30 P.M.

INSTRUCTIONS

- **Answer any four (4) questions**
 - **Do not write anything on the question paper**
1. Explain the role of instructional materials in mathematics instructions. (15 marks)
 2. Discuss three (3) skills used in presenting content in teaching and leaning process. (15 marks)
 3. a) Distinguish between learner centred and teacher-centred teaching methods. (8 marks)
b) Elaborate on problems solving approach as used in Mathematics instruction. (7 marks)
 4. Discuss the implication of Jean Piaget theory on teaching and learning mathematics. (15 marks)
 5. Explain the importance of the following documents to a professional teacher
 - a) Scheme of work (8 marks)
 - b) Lesson plan (7 marks)

