

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

PGDE 752: PHYSICS SUBJECT METHODS

STREAMS: PGDE (PT/SB)

TIME: 3 HOURS

DAY/DATE: FRIDAY 23/07/2021

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- **Answer question one and any other two**
- **Do not write on the question paper**

1. a) Describe five characteristics that define physics as a science. (10 marks)
b) Using specific examples from physics learning. Explain the factors that influence the choice of a teaching method. (10 marks)
c) Discuss five limitations of using practical work in physics teaching and learning. (10 marks)
2. Explain the importance of the following in the teaching of physics. (15 marks)
 - (i) Scheme of work
 - (ii) Lesson plan
3. Discuss assessment challenges faced by teachers of physics in secondary schools in Kenya. (15 marks)
4. Discuss the strengths and weaknesses of using lecture method in the teaching of physics. (15 marks)

