

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

PGDE 753: CHEMISTRY SUBJECT METHODS

STREAMS: PGDE (SB)

TIME: 3 HOURS

DAY/DATE: FRIDAY 23/07/2021

2.30 P.M. – 5.30 P.M.

INSTRUCTIONS:

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

1. a) Explain the practical application of the historical development of chemistry to chemistry teaching. (10 marks)
- b) Using applicable examples from chemistry teaching in secondary school, describe five factors that would influence the choice of method for teaching. (10 marks)
- c) Describe the steps you would follow in planning and implementing a teacher demonstration lesson on laboratory preparation of chlorine. (10 marks)
2. With relevant examples from chemistry teaching, explain five areas of the society where application of chemistry is key. (15 marks)
3. Discuss five characteristics of effective heuristic methods of teaching chemistry. (15 marks)

4. Prepare a lesson plan for teaching a form one class on the topic ‘preparation and test for physical properties of Carbon (IV) Oxide”. The topic is covered in a double lesson (80 minutes). (15 marks)
-