

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF POSTGRADUATE DIPLOMA IN
EDUCATION

PGDE 753: METHODS OF TEACHING CHEMISTRY

STREAMS: PGDE L1B11 PT/SB

TIME: 3 HOURS

DAY/DATE: THURSDAY 01/04/2021

2.30 P.M. – 5.30 P.M.

INSTRUCTIONS*Answer question one and any other two questions**Do not write on the question paper***QUESTION ONE**

- (a) Explain the importance of teaching chemistry at secondary school level in Kenya (4 marks)
- (b) Describe FOUR types of skills developed by learners during the learning of chemistry giving an example of each. (8 marks)
- (c) Explain the importance of writing and using a scheme of work in Chemistry teaching and learning. (8 marks)
- (d) i) Describe the features of good fume chamber (4 marks)
ii) Explain the key uses of a fume chamber in the chemistry laboratory (6 marks)

QUESTION TWO

- (a) Give FIVE reasons why it is importance to develop instructional objectives in Chemistry teaching (5 marks)
- (b) With applicable examples from chemistry teaching and learning, describe FIVE major roles of question answer method. (10 marks)

QUESTION THREE

(a) Describe FIVE basic characteristics of effective heuristic methods of teaching chemistry.

(5 marks)

(b) Using specific examples, discuss ways in which information communication technology (ICT) can be used to enhance classroom instruction in chemistry. (10 marks)

QUESTION FOUR

Describe any FIVE common test formats that teachers can use in testing achievement in chemistry learning giving an advantage and limitation of each. (15 marks)

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