

Name\_\_\_\_\_

Index No.\_\_\_\_\_/\_\_\_\_

9501/3

EDUCATION

Paper 3

DTE

March/April 2014

3 hours



Candidate's Signature\_\_\_\_\_

Date \_\_\_\_\_

THE KENYA NATIONAL EXAMINATIONS COUNCIL

**DIPLOMA IN TEACHER EDUCATION**

EDUCATION

**Paper 3****3 hours****INSTRUCTIONS TO CANDIDATES***Write your name and index number in the spaces provided above.**Sign and write the date of the examination in the spaces provided above.**This question paper consists of **THREE** sections; **A**, **B** and **C**.**Answer **THREE** questions, **ONE** from each of the three sections **A**, **B** and **C**.**For section **A**, answer **ONE** question in the spaces provided after each part of the question.**For sections **B** and **C**, answer **ONE** question from each section.**Answer questions in sections **B** and **C** in the spaces provided after question 6.**Candidates should answer the questions in English.***For Examiner's Use Only**

Section	Question	Maximum Score	Candidate's Score
<b>A</b>	1	35	
	2	35	
<b>B</b>	3	35	
	4	35	
<b>C</b>	5	30	
	6	30	
<b>Total Score</b>		<b>100</b>	

**This paper consists of 16 printed pages.**

**Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.**

**SECTION A (35 marks)**

*Answer any ONE question from this section.*

1. (a) Explain the concept of Microteaching.

(3 marks)

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- (b) Outline **four** characteristics of Discussion as a method of teaching.

(4 marks)

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(8 marks)

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

(e) Explain **five** techniques of motivating learners during instruction.

(10 marks)

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(d) Discuss **four** ways a teacher may prepare learners for project work.

**(8 marks)**

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be from a notebook or a standard ruled sheet of paper. There is no handwriting or other markings on the page.

2. (a) Distinguish between **Deductive** and **Inductive** methods of teaching, citing an example in each case. (4 marks)

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- (b) Outline **two** uses of each of the following types of questions in classroom instruction: (8 marks)

- (i) Memory questions;

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- (ii) Thought provoking questions;

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(iii) Evaluative questions;

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(iv) Divergent thinking questions.

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(c) Explain **four** barriers to effective use of Question and Answer method in teaching. (8 marks)

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This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

(d) Describe the steps in the process of **Micro-teaching**.

(10 marks)

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page.

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- (e) State **five** limitations of micro-teaching. (5 marks)

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**SECTION B (35 marks)**

*Answer any ONE question from this section.*

3. (a) Define the term 'Improvisation' as used in teaching and learning. (2 marks)
- (b) Discuss **six** factors to consider when improvising teaching and learning resources. (12 marks)
- (c) Citing examples, suggest **three** uses of a Flannel Board. (6 marks)
- (d) Outline **five** advantages of using Television in teaching and learning process. (5 marks)
- (e) Explain **five** ways a teacher can ensure successful use of a tape recorded lesson. (10 marks)

4. (a) Explain **six** advantages of using teaching and learning resources in classroom instruction. (12 marks)
- (b) Outline **five** techniques that a teacher may use to focus learners' attention on important aspects of teaching and learning resources. (5 marks)
- (c) Explain **five** advantages of a Liquid Crystalline Display (LCD) projector in teaching and learning process. (10 marks)
- (d) Explain **four** ways in which a teacher may ensure successful learning using a resource person. (8 marks)

### SECTION C (30 marks)

*Answer any **ONE** question from this section.*

5. (a) Differentiate between
- (i) Validity and Reliability of research instruments. (2 marks)
- (ii) Purposive and Stratified sampling. (2 marks)
- (b) Identify **six** classroom process variables that may require observational methods to obtain data during research. (6 marks)
- (c) Outline **six** qualities of a facilitator for a focus group discussion. (6 marks)
- (d) Explain the significance of any **seven** components of Chapter One of a research proposal. (14 marks)
6. (a) Distinguish between
- (i) Independent and dependent variables.
- (ii) Target population and sample. (4 marks)
- (b) You have been hired by the Ministry of Education, Science and Technology to investigate headteacher characteristics that may influence students' performance in Kenya Certificate of Secondary Education (KCSE) examinations. List **four** such characteristics. (4 marks)
- (c) Explain **five** descriptive statistics used in educational research. (10 marks)
- (d) Examine **six** contributions of a good literature survey in research. (12 marks)