

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

PGDE 754: METHODS OF TEACHING BIOLOGY

STREAMS: PGDE PT/SB

TIME: 3 HOURS

DAY/DATE: THURSDAY 01/04/2021

8.30 A.M. – 11.30 A.M.

INSTRUCTIONS

Answer any three questions

Do not write on the question paper

QUESTION ONE

- (a) Examine the significance of practical work in biology. (6 marks)
- (b) Explain six factors that influence the choice of a teaching method a biology teacher adopts. (6 marks)
- (c) Inquiring and expository approaches are two main approaches used in teaching biology. Describe each of those approaches paying attention to salient features that distinguish them. (8 marks)

QUESTION TWO

- (a) Describe FIVE types of hazards likely to occur in a biology laboratory. (10 marks)
- (b) Explain the criteria for selection of real objects in teaching biology. (5 marks)
- (c) Explain FIVE factors that guide a biology teacher in the choice of biology textbooks (5 marks)

QUESTION THREE

- (a) Explain the importance of micro-teaching to a teacher in teacher training. (8 marks)

- (b) Explain SIX objectives of teaching biology in Kenyan secondary schools. (6 marks)
- (c) Explain the importance of the following documents to a biology teacher. (6 marks)
 - (i) Syllabus
 - (ii) Progress record
 - (iii) Record of work

QUESTION FOUR

- (a) Explain FOUR factors to consider in preparing a biology scheme of work. (8 marks)
- (b) Examine the importance of a lesson plan to a biology teacher. (4 marks)
- (c) Using the information provided, prepare a 40 min, lesson plan that would be used to teach so that the stated objectives are achieved. (8 marks)

Information

Lesson topic: internal structure of a leaf

Objectives: learners should be able to; draw the internal structure of a leaf, state the functions of the internal parts of a leaf.

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