

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

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

PGDE 754: METHODS OF TEACHING BIOLOGY

STREAMS: PGDE (PART TIME)

TIME: 3 HOURS

DAY/DATE: THURSDAY 22/07/2021

11.30 A.M. – 2.30 P.M.

INSTRUCTIONS:

- **Answer any three questions.**
- **Do not write anything on the question paper.**

1. (a) Describe three ways of introducing a biology lesson. (5 marks)
(b) Explain the expository approach in teaching biology. (5 marks)
(c) Using the following information, prepare a 40 minutes lesson plan that you would use to teach so that the stated objectives are achieved. (10 marks)

Topic: the cell

Objectives: identify parts of a microscope, state the functions of the parts of a microscope.

2. (a) Describe the three types of learner organization that a biology teacher can adopt in a practical lesson. (6 marks)
(b) Describe three types of practical activities in biology teaching. (6 marks)
(c) Using relevant examples, describe four situations where a biology teacher can use the demonstration method. (8 marks)
3. (a) Explain five types of hazards likely to be encountered in a biology laboratory. (10 marks)

- (b) Explain six factors to consider when selecting biology textbooks. (6 marks)
 - (c) Explain the criteria for selecting real objects in teaching biology. (4 marks)
4. (a) Examine the significance of preparing a scheme of work to biology teacher. (8 marks)
- (b) Explain the importance of teaching practice to a teacher in teacher training. (8 marks)
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