



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF THE POSTGRADUATE DIPLOMA IN EDUCATION

SECOND SEMESTER, 2021/2022

(FEBRUARY - JUNE, 2022)

PGDE 717: METHODS OF TEACHING BIOLOGY

STREAM: Y1 S2

TIME: 2 HOURS

DAY:

DATE:

INSTRUCTIONS

- 1. Do not write anything on this question paper.*
- 2. Answer question ONE (Compulsory) and any other TWO questions.*

QUESTION ONE.

- By use of named examples, explain any five contributions of Biology to the welfare of Mankind (10 marks)
- Biology teaching relies heavily on the process skills. With reference to specific examples discuss named four manual skills and their applicability in the teaching and learning of biology (8Marks)
- Explain three factors that dictate the choice of a teaching strategy in biology (6marks)
- Lecture method is often regarded as inappropriate in teaching Biology as a Subject. Explain six suggestions on how you can improve the lecture method while teaching biology. (7marks)

QUESTION TWO

- What is a lesson plan. (2marks)
- Explain the importance of a lesson plan to a biology teacher. (12Marks)

QUESTION THREE

- a) Discuss the importance of assessment in the process of teaching and learning of biology (10 marks)
- b) Describe how you would use the following skills to enhance biology classroom instruction:
- i) Asking questions (5 marks)
 - ii) Reinforcement of learners responses (5 marks)

QUESTION FOUR

- a. Explain six considerations that a biology teacher must make when preparing a scheme of work. [6 Marks]
- b. With suitable examples, briefly explain the role of examples as used in biology classroom [5 marks]
- c. Under-which circumstance would you opt to use demonstration as a method of instruction in Biology [6 marks]
- d. Discuss the negative contribution of biological knowledge to the Kenyan society [4 Marks]

QUESTION FIVE

- a. Considering the context in which you are teaching, with suitable examples discuss the advantages of stating objectives for teaching. [10 Marks]
- b. The success of a field trip depends largely on how it is planned. Explain ten things the teacher should consider before he takes the learners to the field trip. (10marks)