



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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MAIN EXAMINATION

SEPTEMBER –DECEMBER 2021

FACULTY OF EDUCATION

DEPARTMENT OF UNDERGRADUATE STUDIES

REGULAR PROGRAMME

ED 313: SUBJECT METHODS BIOLOGY

Date: DECEMBER 2021

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and any TWO Questions

Q1.

- a) Outline any **4** factors you need to consider when grouping students in a biology class. **(4Marks)**
- b) State three reasons for preparing a biology lesson plan **(3Marks)**
- c) Explain the importance of tests in the teaching/learning of biology. **(3Marks)**
- d) State **FOUR** advantages of a class experiment as a method for teaching biology. **(4Marks)**
- e) Identify **FIVE** characteristics of Question and Answer technique as a method for teaching Biology. **(5Marks)**
- f) Briefly explain the importance of biology to society. **(3Marks)**
- g) Identify **FOUR** differences between the following:

- (i) Teacher centered and learner centered methods in the teaching of Biology. (4Marks)
- (ii) Goals and specific objectives as applied to biology in education. (4Marks)

Q2. Examine the role of a laboratory technician during a biology practical lesson. (20 Marks)

Q3. Write a 40 minute lesson plan on any biology topic of your choice. (20 Marks)

Q4. Explain the criteria used to select a method for teaching Biology. (20 Marks)

Q5. Suggest 5 ways a biology teacher can sustain learners' interest and attention during a biology lesson (20 Marks)

END