



# MAASAI MARA UNIVERSITY

## **SPECIAL UNIVERSITY EXAMINATIONS 2018/2019 ACADEMIC YEAR SPECIAL EXAMINATIONS**

### **SCHOOL OF EDUCATION BACHELOR OF EDUCATION**

**COURSE CODE: CIM 321**  
**COURSE TITLE: SPECIAL METHODS  
IN BIOLOGY**

**DATE: 29. 4. 2019  
- 1.00PM**

**TIME: 11.00AM**

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#### **INSTRUCTIONS TO CANDIDATE**

- Question ONE is compulsory

*This paper consists of 2 printed pages. Please turn over.*

- Answer any other TWO questions

### **Question One**

- (a) Explain **three** supportive attitudes that enable learners to learn Biology  
**(6 Marks)**
- (b) Justify the use of practical work in Biology in Kenya Secondary School Education by giving three examples. **(6 Marks)**
- (c) Explain three constraints to the use of practical work in school Biology. **(6 Marks)**
- (d) Explain how learners participate in the learning process if expository approach is used in teaching Biology. **(6 Marks)**
- (e) Give three advantages and three limitations of using guided inquiry approach in teaching of Biology in schools? **(6 Marks)**

### **Question Two**

- a) Biology is taught in schools because of its intrinsic and extrinsic value. Explain **five** intrinsic value of Biology. **(10 Marks)**
- b) Explain the considerations that a teacher should make when planning for a field trip in Biology **(10 Marks)**

### **Question Three**

- a) Explain with examples six contribution of Biological knowledge to welfare of mankind. **(12 Marks)**
- b) Explain four aims of teaching biology in Kenya's secondary schools. **(8 Marks)**

### **Question Four**

- (a) Explain **five** projects that can be carried out by students in biology **(10 Marks)**

**(b)** Discuss five merits of demonstration method in teaching of Biology

**(10Marks)**

**Question Five**

**(a)** Explain the importance of using science process skills approach in teaching of Biology

**(10 Marks)**

**(b)** Describe how a biology teacher can guide learners to acquire the following process skills:

- Controlling variables
- Hypothesizing
- Predicting
- Communication
- Classification

**(10**

**Marks)**

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**END**.....