

FACULTY OF EDUCATION  
SEMESTER EXAMINATION 2017\_2

**COURSE CODE:EDU 750**

**CODE TITLE: Biology Methods**

**CREDIT UNIT: 2**

**Time: 1<sup>1/2</sup>hours**

**INSTRUCTION:ANSWER QUESTION ONE AND TWO OTHER QUESTIONS.**

**QUESTION ONE IS COMPULSORY**

1. (a) What are the 5 (five) essential features of reporting Damages and Breakages in an indoor biology laboratory. (10 Marks)

(b) State any general safety principles of laboratory management with the aid of specific examples in biology laboratory. (10 Marks)

(c) Explain the following terms in biology lesson plan:

i. Previous knowledge in biology lesson plan

ii. Behavioural Objective

iii. Instructional Materials (10 Marks)

**(30 marks).**

2. (a) Write a lesson plan on any ONE unicellular organism. The lesson plan should be as follows:

i. General particulars of the class (4 Marks)

ii. Behavioural Objectives(4 Marks)

iii. Teachers activities(4 Marks)

iv. Pupils activities(4 Marks)

v. Conclusion and evaluation (4 Marks)

**(20 marks).**

3. Discuss the ingredients of laboratory design in terms of the following:

i. Storage area/rooms (6 Marks)

ii. Preparatory room (10 Marks)

iii. Laboratory services (4 Marks)

**(20 marks).**

4. Enumerate briefly the two types of cognitive skill test and state two advantages and two disadvantages of each. **(20 marks).**

5. Explain what is demonstration method of teaching biology under the following:

i. 5 advantages of the method (10 Marks)

ii. 5 disadvantages of the method(10 Marks)

**(20 marks).**

