



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja.  
**FACULTY OF EDUCATION**  
**2023\_1 POP EXAMINATION**

**COURSE CODE**                    **EDU750**  
**COURSE TITLE**                **BIOLOGY METHODS**  
**TIME**                                **2HRS**  
**INSTRUCTION**        -        **ANSWER QUESTION NO. 1 AND ANY OTHER TWO**

1(a) List the various traditional methods of teaching biology.

(b) Discuss any two traditional methods of teaching biology.

(c) State at least four guidelines (Each) that could be used to make the two methods you have discussed more effective in biology teaching.

(d) List five techniques that you can use as a biology teacher in managing students' activities in the laboratory.

(e) Why does the biology teacher need to improvise materials for teaching?

**(30marks 50 minutes)**

2(a) Explain the meaning of Cooperative Learning.

(b) State the characteristics of Cooperative Learning.

(c) State five advantages of the Cooperative Learning Method

**(20marks 35minutes)**

3(a) List and discuss at least five important roles that teaching materials/aids play in the teaching of biology, give examples

(b) What are the limitations of using textbooks as a major teaching aid in biology teaching?

**(20marks, 35minutes)**

4(a) What is a Lesson Plan?

(b) Enumerate the essential steps in preparing a lesson plan for teaching a topic in biology.

**(20marks, 35 minutes).**