



NATIONAL OPEN UNIVERISTY OF NIGERIA

Plot 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja

DEPARTMENT OF SCIENCE EDUCATION...

EXAMINATION: 2021_1

COURSE CODE: EDU780

COURSE TITLE: AGRICULTURAL SCIENCE METHODS

CREDIT UNIT: 2

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER THREE QUESTIONS FROM FOUR, ALL QUESTIONS CARRY EQUAL MARKS

ONE Mark will be awarded for orderly presentation of answers

1a. Give is the full meaning of the following in Agricultural Science.

- i. **RBDA 1MARK**
- ii. **NALDA 1MARK**

b. What are the four (4) main objectives for the teaching of Agricultural Science as stated by Nigerian Educational Research Development Council (NERDC) and West Africa Examination Council (WAEC) **4MARKS**

c. A successful teacher is one who teaches effectively, making use of his acquired professional experience. Along this line state four (4) roles of the teacher of Agricultural Science. **8MARKS**

d. Briefly explain nine (9) reasons why a teacher needs to prepare the lesson plan for Agricultural Science lessons. **9MARKS**

2. Outline the best practices on each of the following points as they affect the implementation of a lesson plan

- i. Asking questions **6MARKS**
- ii. Using examples **6MARKS**
- iii. Using illustrations **6MARKS**
- iv. Establishing appropriate frame of reference **5MARKS**

3a. Examine the six (6) guidelines necessary for an Agricultural science teacher to effectively teach manipulative skills. **6MARKS**

b. Briefly explain the following classroom activities that bring about positive attitude towards Agricultural science.

- i. Awareness **3MARKS**
- ii. Understanding **4MARKS**
- iii. Interest **5MARKS**
- iv. Appreciation **5MARKS**

4a. Identify and discuss four (4) major types of Agricultural education by indicating their respective objectives as well as the description of each type of Agricultural education.

16MARKS

b. As an Agricultural Science teacher in the senior secondary school what are seven (7) Certificates obtainable in Chronological order in the field of agriculture after possessing the basic entry qualifications **7MARKS**