



# NATIONAL OPEN UNIVERSITY OF NIGERIAN

91 Cadastral zone, NnamdiAzikiwe Expressway, Jabi, Abuja

FACULTY OF EDUCATION

DEPARTMENT OF SCIENCE EDUCATION

**EXAMINATION: 2021\_1**

**COURSE CODE: SED422**

**COURSE TITLE: INTEGRATED SCIENCE CURRICULUM  
DEVELOPMENT AND DESIGN**

**CREDIT UNIT: 2**

**TIME ALLOWED: 2HOURS**

**INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER TWO**

## QUESTION ONE:

1 a) Defining an Integrated Science teacher goes beyond imparting knowledge. Discuss any five (5) points. **(15 marks)**

b) As a Scholar of Integrated Science Education, **highlight** and **explain** ten (10) roles that will qualify you for an effective teacher. **(15marks)**

## QUESTION TWO

2a) With your exposure to teaching methods, what are the **five (5)** indices you will use to conclude that a teacher of Integrated Science is **ineffective**. (10 MARKS)

b). As a prospective Integrated Science teacher, **state** any **ten (10)** attributes you must possess to enhance the achievement of educational goal. (10 MARKS)

## QUESTION THREE:

3a.To succeed in the teaching of a concept in Integrated Science, what are the **ten (10)** steps you need to take. (15 MARKS)

3b. Justify why Integrated Science or Basic Science should be part of the secondary school curriculum. (5marks)

## QUESTION FOUR:

4. Write short notes on the following components of teaching: (20 marks)

- i. Planning.
- ii. Presentation.
- iii. Problem identification
- iv. Team teaching
- v. Parenting