



NATIONAL OPEN UNIVERSITY OF NIGERIA

91Cadastral Zone, NnamdiAzikwe Expressway, Jabi, Abuja

FACULTY OF EDUCATION

2022_2 EXAMINATION

2023_1 POP EXAMINATION.

COURSE CODE: SED831

COURSE TITLE: CURRICULUM TRENDS IN SCIENCE EDUCATION

CREDIT UNIT: 3

TIME ALLOWED: 3 HOURS

INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER THREE

1a. Nigeria children in the 1980s experienced some misconceptions of science education against cultural values, what are the major contributions of the following educators on the beliefs of some Nigeria children on learning of science?

- i. Okebukola (1986) **2MARKS**
- ii. Bajah (1982) **2MARKS**
- iii. Ogunnuiyi (1982) **8MARKS**

b. Briefly explain in two paragraphs, your view on forms of knowledge in Science Education which distinguishes it from other forms of knowledge? **(4 MARKS)**

c. Identify and explain the three perceptions of science education in Third world countries. **(9MARKS)**

2a What are the attributes of Scientific Attitude as stated by

- i. Gauld, (1973) **6MARKS**
- ii. Education Policies Commission of United States? **(4 MARKS)**

b. Many scientists were of the view that science should have logical processes, what are the other tenets of this belief by Lakatos. **(5 MARKS)**

3.Explain five out of the limelight and remarkable experience in Science Education as witnessed in the 21st century in Nigerian. **(15 MARKS)**

4a. What are the seven areas that introduction of Computers and information technology in Nigeria has brought revolutionary changes in the state of the world giving us a new form of civilization in all aspect of life? **(14 MARKS)**

4b. What is the expectation from Nigeria students in order to cope with these changes? **1MARK**

5a. To fulfil the objectives of the National policy of Education for science education, there several implications for teaching what are the seven implications to the teaching and learning of sciences? **(14 MARKS)**

b. What is the meaning of the term culture? **(1 MARK)**