



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91 Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja.

FACULTY OF EDUCATION

APRIL/MAY 2019_1 EXAMINATION

COURSE CODE: EDU754

COURSE TITLE: INTEGRATED SCIENCE METHOD

CREDIT UNIT: 2

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER TWO

- 1a. State any four reasons why integrated science is regarded as an important school subject. **(8marks)**
- b. State the general problems that affect the teaching of integrated science. **(5marks)**
- c. Explain five science process skills. **(5marks)**
- d. State and explain briefly the six different categories in the cognitive domain of Bloom Taxonomy. **(12marks)**

- 2a. Define aims and objectives **(6marks)**
- b. Enumerate the differences between aims and objectives. **(4marks)**
- c. What are the components of scientific attitude? **(5marks)**
- d. Explain the attributes of scientific attitudes. **(5marks)**

- 3a. Justify the claim that integrated science curriculum is student centered. **(6marks)**
- b. State three implications of Jerome Ausubel Theory for teaching science. **(4marks)**
- c. List the factors to be considered for teaching a topic in integrated science **(4marks)**
- d. In a tabular form state the differences between pre-operational child and concrete operational child. **(6marks)**

- 4a. Write short notes on the following:
 - i. Inquiry Method **(2marks)**
 - ii. Team teaching Method **(2marks)**
 - iii. Demonstration Method **(2marks)**
 - iv. Dramatization Method **(2marks)**
- b. State two advantages of each one in 4a. **(8marks)**
- c. Discuss FOUR steps Nigerian government could take to improve teaching of science in schools. **(2marks)**
- d. List five implications of behaviourists' view for science teaching and curriculum development. **(2marks)**