



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi- Abuja

FACULTY OF EDUCATION

2020_1 Semester

COURSE CODE: EDU752
COURSE TITLE: CHEMISTRY METHODS
CREDIT UNIT: 2
TIME ALLOWED: 2HOURS
INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER TWO

Question One:

- i. With an example, define science in terms of its processes (5marks)
- ii. Outline and discuss any 5 processes of Science (12.5 marks)
- iii. State and discuss any 5 assumptions about science (12.5marks)

(Question 1 =30 marks)

Question Two:

2a. **State and explain** four (4) avenues to make the teaching of Chemistry reflect the culture of the students you intend to teach. (12marks)

2b. State and explain any Four (4) teacher-based factors which influence the quality of teaching and learning of chemistry in your locality.(8marks)

(Question 2 =20 marks)

Question Three:

3. In teaching the topic: “**Physical and Chemical Changes**” to JSS 3 Students:

- i. State two Behavioural Objectives, one each in the cognitive and psychomotor domain (3marks)
- ii. List any two Instructional Materials needed (2marks)
- iii. Present a brief Entry Behaviour for the lesson (2mark)
- iv. Develop a Lesson Plan, using any model for teaching the topic in 35 minutes.(10marks)
- v. Evaluate your lesson outcome using three questions.(3marks)

(Question 3 = 20marks)

Question Four:

4a. Define the term improvisation-4marks

b. Explain any five advantages of improvisation (10marks)

c. Discuss any three traits that characterize improvisation process(6marks)

(Question 4 = 20marks)