



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS  
MARCH/APRIL 2016 EXAMINATION**

**SCHOOL OF EDUCATION**

**COURSE CODE: EDU 752**

**COURSE TITLE: CHEMISTRY METHODS.**

**TIME ALLOWED: 2 HOURS**

**Instructions: ANSWER QUESTION 1, AND ANY OTHER TWO QUESTIONS.**

1. a. Define science in a manner you feel would be acceptable universally.  
Explain why it is universal.  
(10 Marks)
  - b. How would you make the teaching of Chemistry culturally relevant to the recipients?  
  
(10 Marks)
  - c. Briefly discuss the views of Thomas Kuhn and Karl Popper in relation to science education.  
(10 Marks)
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2. a. Why is scientific literacy considered important to a nation.  
(10 Marks)
  - b. Why is the teaching of Science, Technology and Society necessary in science education?  
  
(10 Marks)
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3. a. Write short notes on the following teaching method  
i. Lecture method  
(6 Marks).  
ii. Demonstration method  
(6 Marks).

- b. List two advantages of each of the methods listed above.  
(4 Marks)
  - c. Identify and explain the various components of a lesson plan.  
(4 Marks)
4. a. Discuss the role of improvisation in the attainment of the general goals of science education.  
(10 Marks)
- b. i. Explain Jerome Brunner and David Ausubel's theories of learning.  
(5 Marks)
  - ii. What are the implications of each of the theories of learning above to science education.  
(5 Marks)