



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
SCHOOL OF EDUCATION  
MAY/JUNE 2012 SEMESTER EXAMINATION**

**COURSE CODE: EDU 652**  
**COURSE TITLE: CHEMISTRY METHODS**  
**INSTRUCTIONS: ANSWER ALL QUESTIONS**  
**TIME ALLOWED: 2 HOURS**

1.
  - (a) Discuss any four (4) values of science which a chemistry teacher should teach to his/her students.
  - (b) Using appropriate examples, explain the scientific skills a chemistry student should demonstrate during a practical class.
2.
  - (a) Discuss any five (5) chemistry teacher-based factors that can influence the quality of learning by chemistry students.
  - (b) Why should the chemistry teacher state the objectives of his/her chemistry lessons?
3. Discuss any nine (9) accepted assumptions about science that the chemistry teacher would find useful in initiating the thinking and activities of chemistry students.
4.
  - (a) Discuss any five (5) guidelines for effective use of the inquiry method by the chemistry teacher.
  - (b) What basic questions should a chemistry teacher ask himself/herself as he/she sets out to prepare a chemistry lesson note and why?