



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16 AHMADU BELLO WAY, LAGOS

SCHOOL OF EDUCATION
MAY/JUNE 2013 EXAMINATION

COURSE CODE: SED 831
COURSE TITLE: Curriculum Trends in Science Education.
Time Allowed: 2 Hrs.

Instructions: Answer question 1, which is compulsory and any other two questions.

1.
 - (a) There is a downward trend in the performance of students in science-based subjects in Nigerian secondary schools. Discuss SIX main factors that warrant this occurrence in students' performance.
 - (b) Mention SIX ways through which science curricula could be implemented to attain the desired results.
 - (c) Explain Jerome Brunner's constructivist assertion about the learning process in children.
2.
 - (a) Enumerate and discuss FIVE steps Nigerian government could take to improve science education.
 - (b) Enumerate FIVE challenges that militate against effective development of science
3. Integrated science at the junior secondary school was recently changed to Basic Science so as to attain the goals of Universal Basic Education.
 - (a) Give the overview of Nigerian Integrated Science Project
 - (b) Identify FIVE problems why the subject could not meet UBE goals.

4. (a) The quality of science curriculum depends on the content it covers.
Explain FOUR criteria for identifying and selecting science education curriculum.
- (b) In your own opinion, describe FIVE reasons why it might be necessary to change science curriculum at the secondary school level.
education.