



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF EDUCATION
MAY/JUNE 2012 EXAMINATION

SED 731 CURRICULUM TRENDS IN SCIENCE EDUCATION
TIME: 3 HOURS

INSTRUCTION: ANSWER ANY **FOUR** QUESTIONS. EACH QUESTION CARRIES EQUAL MARKS.

1. (a) Mention and discuss FIVE steps Nigerian government could take to improve science education.
(b) Enumerate FIVE challenges that militate against effective development of science education.
2. (a) The quality of science curriculum depends on the content it covers.
Discuss 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.
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) Justify the use of inanimate objects in the teaching and learning of school science.
(b) Discuss FIVE ways in which you could make science language simple

as a teacher.

5. (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.
- be (b) Enumerate SIX ways through which science curricula could be implemented to attain the desired results.