



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

SCHOOL OF EDUCATION
MAY/JUNE 2013 EXAMINATION

COURSE CODE: SED 831
COURSE TITLE: Advanced Curriculum Trend in Science Education.

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

Time Allowed: 2 Hrs.

- 1 a. Explain concisely, the concept of cognitive development?
b. Write brief notes on the four stages of cognitive development as described by Jean Piaget
c. Of what significance are the tenets of Piaget to Science Education?
- 2 a. What is curriculum?
b. How did the Phelps-Stokes Commission impact on curriculum development in Nigeria?
c. Highlight the main features of curriculum reform in Nigeria post independence.
- 3 a. In as much as science education appears to be successful in England, what major challenges were they confronted with?
b. What measures were taken to improve the teaching of science in England.
4. a Briefly discuss the Constructivist theory of learning.
b. What are the implications of the constructivist learning strategy to science teaching?