



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF EDUCATION
OCTOBER 2013 EXAMINATION

COURSE CODE: EDU 756
COURSE TITLE: Physics Method
Time allowed : 2hours 15minutes

INSTRUCTION: Answer question 1 and any other two questions

- 1a. Describe the role of the colonial government in the historical development of science education in Nigeria before independence.
- b. (i) Describe R. Gagne's theory of learning.
(ii) State five (5) implications of R. Gagne's theory of learning for science teaching and curriculum development.
- c. (i) Describe how you would develop a Physics scheme of work for Senior Secondary School Students in Nigeria.
(ii) What are the factors that would guide you in developing effective scheme of work?

[30marks]

- 2 (a) What are the roles of the following in popularizing science teaching in Nigeria;
- i) The colonial government
ii) Science Teachers Association of Nigeria.
- (b) Explain the disparity in science education in particular between the North and South.
3. (a) Draw a lesson plan in any physics concepts
(b) Justify the relevance of instructional materials in science teaching.
- 4.(a) Write short notes on the following;
- i. Nature of science
ii. Product of science
iii. Scientific theory
iv. Scientific Concept

(b) What is the differences and similarity between a scientific theory and concept?