

**NATIONAL OPEN UNIVERSITY OF NIGERIA  
SECOND SEMESTER EXAMINATION, 2017\_2**

COURSE CODE: EDU 756 (2 Units)

COURSE TITLE: PHYSICS METHOD

TIME: 2 HOURS

INSTRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3) QUESTIONS.

1a. How would you define science so it can be acceptable to a scholar in Addis Ababa, Ethiopia as well as a scholar in Lagos, Nigeria or Accra, Ghana? In your opinion, what informed the acceptability amongst the scholars? (10 Marks)

b. Why is scientific literacy considered important to a nation? (10 Marks)

c. Why is the teaching of Science, Technology and Society necessary in science education? (5 Marks)

(Total Marks = 25 marks)

2 ( a ) Discuss five behavioural/attitudes that regulate the activities of scientist. (10 marks)

(b) Justify the relevance of instructional materials in physics teaching. (5 marks)

(Total Marks = 15 marks)

3. a. Write short notes on the following teaching method

i. Inquiry method (2 Marks).

ii. Team teaching method (2 Marks).

b. List two advantages of each of the methods listed above. (4 Marks)

c. Identify and explain the various components of a lesson plan. (7 Marks)

(Total Marks = 15 marks)

4. a. What is the benefit(s) of improvisation in the attainment of the general goals of science education in Nigeria? (5 Marks)

b. Explain two implications each, of Jean Piaget and David Ausubel's theory of learning for science teaching and curriculum development. (10 marks)

(Total Marks = 15 marks)

5a. List and explain the elements of a good lesson note. (10 marks)

b. Mention four possible hazards and their source in a physics laboratory. (5 marks)

(Total

Marks = 15 marks