



**NATIONAL OPEN UNIVERSITY OF NIGERIAN**  
91 Cadastral zone, NnamdiAzikiwe Expressway, Jabi, Abuja  
**FACULTY OF EDUCATION...**  
**DEPARTMENT OF SCIENCE EDUCATION**

**EXAMINATION:** 2021\_1  
**COURSE CODE:** EDU756  
**COURSE TITLE:** PHYSICS METHOD II  
**CREDIT UNIT:** 2  
**TIME ALLOWED:** 2HOURS  
**INSTRUCTION:** ANSWER QUESTION ONE AND ANY OTHER TWO

**QUESTION ONE**

1a. Write short notes on the followings:

- i. Ethics of science. (6 marks)
- ii. Products of science. (6 marks)
- iii. Methods of science. (6 marks)

1b. Physics assessment embraces both the theory and practical. With four statements, justify the essence of having practical test in physics. **(6 marks)**

1c. Science test constructions have differentiated a novice from an expert in Physics. Discuss this profound statement from the perspective of a physics expert with four (4) points. **(6 marks)**

**QUESTION TWO**

**2a.** Scholars have rated Aiyetoro town as a scientifically developed place. What are the implications of this rating (i) medically (ii) environmentally and (iii) Professionally? **(15 marks)**

2b. The more a nation has scientific and technological power, the more it tends to be respected among the comity of nations. Discuss. **(5 marks)**

**QUESTION THREE**

3a. Mention ten (10) scientific activities that can be employed to perform scientific work. **(10 marks)**

3b. Explain ten (10) of the beliefs/ values/ qualities/ opinions held in awe by scientists, which keep alive or maintain the spirit of the scientific enterprise. **(10 marks)**

#### **QUESTION FOUR**

4a. In tabular form, distinguish between empirical concept and theoretical concept in science. **(12 marks)**

4b. Enumerate eight theories in science. **(8 marks)**