



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI**  
**AZIKIWE EXPRESSWAY, JABI, ABUJA**  
**FACULTY OF EDUCATION**  
**2024 1 EXAMINATION**

Course Code: EDU 756  
Course Title: Physics Methods  
Credit unit: 2  
Time Allowed: 2 hours  
Instruction: Answer question one and any other two question only

- 1 a). You have been requested by your local branch of Science Teachers Association of Nigeria for you to present a paper titled "Resources for teaching physics".  
Consider the following areas you would need to lay emphasis on: -
- What are resources for teaching physics?
  - Identify and explain under two broad spectrum the resources for teaching physics
  - Enumerate the importance of using resources in the teaching and learning of physics.
- b). Identify some of the common injuries and how you can handle a situation of such injuries while using the science laboratory.
2. a). Discuss the tenets of Piaget theory of intellectual development and draw up implications to teaching and learning of physics.
- b). Identify four science education curriculum reforms in Nigeria and discuss any two of the reforms
- 3a). Write briefly on the inquiry and laboratory methods of teaching and enumerate their strength and weakness in the teaching and learning of physics.
- b). explain the major responsibilities of the head of the physics unit in the school sitting.
- 4 a) Draw up 10 rules and regulations that can be put in place to ensure safety in the day today usage of the physics laboratory.
- b). briefly explain the benefit of test to the teaching and learning of physics

c). Set two questions each on any concept/topic in physics using the following types of test in physics

- i. Essay questions
- ii. Objectives
- iii. Multiple choice questions

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