



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja.

FACULTY OF EDUCATION

2020_1 Semester

COURSE CODE: EDU756

COURSE TITLE: PHYSICS METHODS

CREDIT UNIT: 2

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER TWO (2)

1. Having honoured the invitation of the Association of Physics Teachers to a workshop in your locality on Resources for Teaching Physics, put up a brief presentation on the title of the workshop paying specific attention to:
 - a) The description of Resources for teaching Physics (6 marks)
 - b) Enumerating and discussing any five criteria that will keep the physics teachers on the right track of choosing the right resources. (10 marks)
 - c) Highlighting any 5 functions embedded in the use of resources for teaching physics. (5 marks)
 - d) Present the tripod classification of the resources for teaching physics, citing 2 examples in each case (9 marks)

(30 marks)
- 2 (a) Test is a useful tool in students' learning. List and explain two (2) uses of test. (4 marks)
- (b) With corresponding ages, give three human intellectual developmental stages identified by Jean Paige. (6 marks)
- (c) In tabular form, write on two (2) similarities and two (2) differences between essay and objective test, as it relates to their description, features, merits, demerits and examples. (10 marks)

(20 marks)

3. (a) Briefly describe the events that led to the development of science curriculum in the western world and Nigeria in particular **(10 marks)**.
- (b). Write briefly on the effort of Babatunde Fafunwa on the teaching of Primary Science in indigenous Language **(10 Marks)**

(20 marks)

4. (a) Enumerate and elucidate briefly on any 3 secondary school science curriculum projects in Nigeria.

(Marks: 15 marks)

b. Briefly explain the factors that led to the productive collaboration between STAN, WAEC, and NERDC **(5 marks)**

(20 marks)