



NATIONAL OPEN UNIVERSITY OF NIGERIA

91, Cadastral Zone, University Village. Nnamdi Azikwe Express way, Jabi Abuja

Faculty of Education, Department of Science Education

EXAMINATION: 2022_2
COURSE CODE: EDU815
COURSE TITLE: INSTRUCTIONAL TECHNIQUES AND METHODS IN SCHOOL MATHEMATICS
TIME ALLOWED: 2 HOURS UNITS: 2
INSTRUCTION: ATTEMPT QUESTION ONE AND ANY OTHER TWO

1. According to the National Policy on Education, the broad aims of secondary school education includes:

- i. preparation for useful living within the society . **(19marks)**
- ii. preparation for higher education. **(11marks)**

How does Mathematics contribute to the achievement of each of the aims stated above?

2a. Discuss three reasons for improvisation of Mathematics instructional materials. **(6marks)**

b. What are the inherent potencies in instructional materials that justify its use in Mathematics lesson? **(14marks)**

3. There is no best teaching method, each one has its own good and bad sides. In the light of this statement, make a relevant submission on lecture method. **(20marks)**

4a. What is remedial teaching in Mathematics? **(3marks)**

b. How will you know when and where remedial teaching is needed? **(5 marks)**

c. What seven likely background experience of the student that can end up with the need for remedial teaching in Mathematics? **(12 marks)**