



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
Plot 91 Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja.  
**FACULTY OF EDUCATION**  
**2020\_1 Semester**

**COURSE CODE:** EDU815  
**COURSE TITLE:** Instructional Techniques and Methods in School Mathematics  
**TIME ALLOWED:** 2 HOURS  
**INSTRUCTION:** ATTEMPT QUESTION ONE AND ANY OTHER TWO

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1a) Mathematics is useful to everybody. Briefly discuss at least five (5) various Mathematics concepts applied by a housewife while preparing a pot of stew. (10marks)

1b) How do the following factors affect students' learning of Mathematics?

- i) The structure of Mathematics (5marks)
- ii) The nature of Mathematics (5marks)
- iii) The Mathematics teacher (10marks) **(TOTAL = 30marks)**

2a) Why do you think that instructional aid is necessary in the teaching of Mathematics

2b) How will you use the following in Mathematics instruction?

- i) model
- ii) flannel Board **(20marks)**

**3a** Explain the concept of individualized instruction in Mathematics.

3b. What features of individualized instruction will enable you to make effective use of this teaching method? **(20marks)**

4) Explain the following evaluation techniques in Mathematics

- i) Written tests
- ii) Assignment.

4b) What can make you prefer assignment to written test as a tool of evaluation in Mathematics? **(20marks)**