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**

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)**