NATIONAL OPEN UNIVERSITY OF NIGERIA

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

FACULTY OF EDUCATION, DEPARTMENT OF SCIENCE

2021_1 EXAMINATION₄₅₆₇

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

1a) You have just been posted to a small school where individualized instruction is practicable, discuss six (6) pros and four (4) cons of the individualized instruction for your students. **(22marks)**

1b) How will you use

  i.   Individual lesson

  ii.   Programmed textbooks

to carry out individualized instruction for your students? *(8marks)*

2. The Mathematical Association of Nigeria (MAN), at the Benin conference of 1977 came up with the seven (7) objectives of Mathematics teaching in Nigerian Secondary schools. Discuss five (5) of these objectives **(10marks)**

b) Examine how Mathematics teaching can lead to the attainment of each objective. **(10marks)**

3a) Explain the concept of improvisation with respect to instructional materials. *(2marks)*
b) Give three (3) reasons for improvisation. *(9marks)*
c) What three (3) guidelines will you give to your students to locally produce instructional materials? *(9marks)*

4a) Explain the idea of remedial teaching and give three (3) aims of remedial teaching in Mathematics. *(6marks)*

b) You have just been posted to a rural school where students find it difficult to learn Mathematics. Discuss six (6) ways you would use remedial teaching to improve their learning achievement **(14marks)**