



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

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

**DEPARTMENT OF SCIENCE EDUCATION**

**EXAMINATION:** 2021\_1  
**COURSE CODE:** EDU815  
**COURSE TITLE:** INSTRUCTIONAL TECHNIQUES AND METHODS IN SCHOOL MATHEMATICS  
**UNIT:** 2  
**TIME ALLOWED:** 2 HOURS  
**INSTRUCTION:** ATTEMPT QUESTION ONE AND ANY OTHER TWO

1. Give five (5) uses of Mathematics in each of:

- a) school programmes and curriculum (10marks)
- b) other Professions and (10marks)
- c) humanity as a whole (10marks).

2a) The concept of individual differences is germane to Mathematics instruction. In what five (5) ways are Mathematics learners in the classroom different? (10marks)

2b. Enumerate five (5) ways by which the Mathematics teacher can mitigate the problem of individual differences for a more successful Mathematics instruction? (10marks)

3. In five (5) dimensions, identify and discuss the reasons for using the Laboratory Approach of Mathematics teaching (20marks)

4. a) Distinguish between Mathematics test and Mathematics Assessment. (5marks)

b) As you attempt to conduct a good Mathematics test for your students, what five (5) features of the test will make you ascertain that you have a good test? (15marks)

5. As you purpose to conduct a good Mathematics test for your students, what features of the test will make you ascertain that you have a good test? (20marks)