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EXAMINATION: COURSE CODE: COURSE TITLE:

TIME ALLOWED: INSTRUCTION: 2017\_2 EDU815 INSTRUCTIONAL TECHNIQUES AND METHODS IN SCHOOL MATHEMATICS 2 HOURS CREDIT UNITS: 2 C ATTEMPT QUESTION ONE AND ANY OTHER TWO

- 1. Ojo, Stella and Musa are taught by the same mathematics teacher under the same condition, yet their performances are often never the same.
  - a) Explain, what within these learners can account for this. (10marks)
  - b) How can the teacher manage this successfully?(20marks)
- 2. Explain through a deductive approach how you will teach Basic 3 pupils that the area of a rectangle is length x breadth(**20marks**)
- 3. a) Briefly explain the concept of individualized instruction.(2marks)
- b) Discuss the approaches to individualized instruction. (12marks)
- c) What are the advantages and disadvantages of individualized instruction?(6marks)
- 4.a) Identify 3 major personalities that can affect students' achievement in mathematics(**6marks**)
- b) Explain how each of the 3 personalities identified in (4a) above constitute a factor that can affect students' achievement in mathematics (**14marks**)
- 5. a) Explain the term evaluation. Discuss any 3 purposes of evaluation in mathematics instruction?(**12marks**)
- b) Explain the techniques of evaluation in mathematics instruction.(8marks)