



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF MASTER OF EDUCATION IN PEDAGOGY**

CITY CAMPUS -SCHOOL BASED

PED 828: MATHEMATICS INSTRUCTION

Date: 14th December, 2015

Time: 2.00 - 5.00 pm

INSTRUCTIONS:

- Answer ANY FOUR questions.

Q. 1. Discuss the issues in the teaching and learning of Mathematics at secondary level in Kenya. (15 marks)

Q. 2. What is the role of a teacher of Mathematics in assisting students to the value Mathematics and engage actively in learning it? (15 marks)

Q. 3. Discuss the contributions of behaviorism and cognitivism theories to the teaching and learning of Mathematics. (15 marks)

Q. 4. Discuss the view of Petty, G (2009) that the common instructional practices are not necessarily the best practices. (15 marks)

Q. 5. How would a Mathematics teacher address the following factors in the teaching and learning of Mathematics?

(a). Attitude.

(b). Individual differences.

(c). Equity.

(15 marks)

Q. 6. (a). What difficulties do learners encounter in the understanding of Mathematical concepts.

(b). Discuss the significance of individualized learning and remedial work in Mathematics instruction? (15 marks)